

The results were computed using a Linux pc equipped with one AMD Athlon™ 64 X2 Dual Core Processor 3800+, 2 GHz, LinuX Debian 4.1.1-15, gcc-4.1.2 20060928 (prerelease) and

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GP/PARI CALCULATOR Version 2.3.2 (released)
amd64 running linux (x86-64/GMP-4.2.2 kernel) 64-bit version
compiled: Nov 30 2007, gcc-3.4.3 20041212 (Red Hat 3.4.3-9.EL4)
(readline v4.3 enabled, extended help available)
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Type ? for help, \q to quit.

Type ?12 for how to get moral (and possibly technical) support.

parisize = 8000000, primelimit = 500000

and gp2c v. 0.0.pl6.

The computation was performed using the PARI/GP parameter REALPRECISION = 120.

Total computation time: 4 hours, 3 minutes and 45 seconds.

These are the constants for  $q = 3$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

$$\begin{pmatrix} 3 & 1 & -0.356890479509443129119649567223185895478588864544011891024719982270071052563351178608682430922346628097157879421723766652 & 104 \\ 3 & 2 & 0.285054359023752579541743072498548421196822179471877763883450862861662230127386054989491729023259945778455993338197515800 & 104 \end{pmatrix}$$

The sum of these constants is = -0.0718361204856905495779064947246374742817666850721341271412691194084088224359651236191907018990866823187018860835262508524

The error from its expected value is = 4.586070089432465921 E-136

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 0 sec, 83 millise

Elapsed time for the final computation: 0 min, 0 sec, 10 millise

Total elapsed time: 0 min, 0 sec, 93 millise

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 4$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

$$\begin{pmatrix} 4 & 1 & -0.286742056226175198653945141439423857364204366246938920957978182460149166187257950455378499797778347188927536372817150856 & 104 \\ 4 & 3 & 0.0482392690738179824093719800481197164157710145081381271500423963850736770846261601695211312320249982035589836226242333373 & 104 \end{pmatrix}$$

The sum of these constants is = -0.238502787152357216244573161391304140948433351738800793807935786075075489102631790285857368565753348985368552750192917519

The error from its expected value is = -2.751642053659479552 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 0 sec, 82 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 8 millisecc

Total elapsed time: 0 min, 0 sec, 90 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 5$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

$$\begin{pmatrix} 5 & 1 & -0.208834449987258983139367943674035530984880619336647156483333640260735529984634773553771317636083411874592543228621067055 & 104 \\ 5 & 2 & 0.396096476351975218162042828299269448767317744480075452482234659908063437639946414694712785132638801595473202225170596646 & 104 \\ 5 & 3 & 0.138650404041776759846503628761417764257981557975187699195670216804473547235703933379292597516171437530652878520739202876 & 104 \\ 5 & 4 & -0.264415217558850211113751674777955822988852034857416789002507022526876943993647364806091433578480176236902090267481649985 & 104 \end{pmatrix}$$

The sum of these constants is = 0.0614972128476427837554268386086958590515666482611992061920642139249245108973682097141426314342466510146314472498070824810

The error from its expected value is = -1.1006568214637918211 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 0 sec, 572 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 7 millisecc

Total elapsed time: 0 min, 0 sec, 579 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 6$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

$$\begin{pmatrix} 6 & 1 & -0.356890479509443129119649567223185895478588864544011891024719982270071052563351178608682430922346628097157879421723766652 & 104 \\ 6 & 5 & -0.214945640976247420458256927501451578803177820528122236116549137138337769872613945010508270976740054221544006661802484200 & 104 \end{pmatrix}$$

The sum of these constants is = -0.571836120485690549577906494724637474281766685072134127141269119408408822435965123619190701899086682318701886083526250852

The error from its expected value is = 1.8344280357729863686 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 0 sec, 81 millise

Elapsed time for the final computation: 0 min, 0 sec, 8 millise

Total elapsed time: 0 min, 0 sec, 89 millise

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 7$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

7	1	-0.187075142544571294096739009948234514359895235998194952460551753548402851591707023453359867236229068566421309299199858697	104
7	2	0.326017729370933547597868754703169129220288703514195926960757822211648170568798762490484037200545217160121516421706307517	104
7	3	0.201040890174112274710632250928108809190397001066330651958131414062522405936030186975994951300198967945143264314016149835	104
7	4	-0.129679667080165399131092192619149646471943586991991257900214669581590246722841195004721776150565590512877162741104690909	104
7	5	0.0462743370707236697779205176376848081100737443965625473234781873465356263926432931264425667690391146156593953454969574836	104
7	6	-0.137938077000532872246020624950025583780211120582846566832393929422931450828412957277840137591599132484137113933964925606	104

The sum of these constants is = 0.118640069990499926612569695751553001908709505404056349049207071067781653754511066856999774291389508157488590106949939624

The error from its expected value is = 4.520554802440573551 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 1 sec, 208 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 7 millisecc

Total elapsed time: 0 min, 1 sec, 215 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 8$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

$$\left( \begin{array}{cccc} 8 & 1 & -0.286417740122089625123730625681428434499219469418493215405278668207999657332855336500537842324127410112603706409758642714 & 104 \\ 8 & 3 & 0.162323350669013129738794680131421967966169071283617176447471249931311892345938625659976495200763324870847798908081631734 & 104 \\ 8 & 5 & -0.000324316104085573530214515757995422864984896828445705552699514252149508854402613954840657473650937076323829963058508142249 & 104 \\ 8 & 7 & -0.114084081595195147329422700083302251550398056775479049297428853546238215261312465490455363968738326667288815285457398397 & 104 \end{array} \right)$$

The sum of these constants is = -0.238502787152357216244573161391304140948433351738800793807935786075075489102631790285857368565753348985368552750192917519

The error from its expected value is = -2.751642053659479552 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 0 sec, 668 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 9 millisecc

Total elapsed time: 0 min, 0 sec, 677 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 9$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

9	1	-0.162358232142869905492944933717972178764177885969702364896758889794666063737008314318891885347955412139189814742428550860	104
9	2	0.407366312746173228078321170161436515221749941066544769431858901234529473610465856653249006342451807460343476584916777618	104
9	4	-0.129337414914396066548530010113082360063977108382314542326743460631599297088631776067549780309442855798062942829478277327	104
9	5	0.0358267016686470538569841873571831423790981498095518892720564507624780891766189349693372589606580430257250910341902348701	104
9	7	-0.0651948324521771570781746233921313566504338701919949838012176318438056917377110882222407652649483601599051218498169439414	104
9	8	-0.158138655391067702393562285020071236404025911404218894820464489135345332659698736633094536279849904707612574280909491211	104

The sum of these constants is = -0.0718361204856905495779064947246374742817666850721341271412691194084088224359651236191907018990866823187018860835262508524

The error from its expected value is = 4.586070089432465921 E-136

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 1 sec, 337 millisec

Elapsed time for the final computation: 0 min, 0 sec, 11 millisec

Total elapsed time: 0 min, 1 sec, 348 millisec

\*\*\*\*\* END PROGRAM \*\*\*\*\*



These are the constants for  $q = 10$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

$$\left( \begin{array}{cccc} 10 & 1 & -0.208834449987258983139367943674035530984880619336647156483333640260735529984634773553771317636083411874592543228621067055 & 104 \\ 10 & 3 & 0.138650404041776759846503628761417764257981557975187699195670216804473547235703933379292597516171437530652878520739202876 & 104 \\ 10 & 7 & -0.103903523648024781837957171700730551232682255519924547517765340091936562360053585305287214867361198404526797774829403354 & 104 \\ 10 & 9 & -0.264415217558850211113751674777955822988852034857416789002507022526876943993647364806091433578480176236902090267481649985 & 104 \end{array} \right)$$

The sum of these constants is = -0.438502787152357216244573161391304140948433351738800793807935786075075489102631790285857368565753348985368552750192917519

The error from its expected value is = 3.301970464391375463 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 0 sec, 579 millisc

Elapsed time for the final computation: 0 min, 0 sec, 8 millisc

Total elapsed time: 0 min, 0 sec, 587 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 11$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

11	1	-0.0971374928906314746785885170741293653289370536851921057380578393114430532999623862192092410631986685514428391340152092996	104
11	2	0.441462201462866767119298914231991556270746564684770843869430012376883631783511150027398590636303936886689248444193425605	104
11	3	0.205776659372626240307117197724156782249912705244130774518293717876512990497431908545458915776741312827482344097012406739	104
11	4	-0.111970376540423425873178133703895483064177936664383160458253214407456112309877907015761691490022691901406149937540462606	104
11	5	0.0580070456893222142274453666252812885175652527551191984504363843339040018445010039716803172293989792197836726817691289438	104
11	6	-0.0661176420913421031058500523290528525668247392631089098154454867781488136138411596222077946196082639668198308162608455321	104
11	7	0.0346826527448329048178911173499074898297319005540131992197808429743024482602883359919023869392968812059717245803901168502	104
11	8	-0.0710001212280214976976980958116423277356085722465656122212935658572597282211526234990562471200039174413684417903424625531	104
11	9	-0.101561999988862541263073245639596551261510026508020017229708665013908335711972567910535468321043123037970672697834903934	104
11	10	-0.121552804591815209188846803673415586950240537518655913494027063177553427422466635464618045624526885135378517268473202641	104

The sum of these constants is = 0.170588121938551874664517747699604949960657557352108297101155123015833601806459118805051722343337560105540538158897991572

The error from its expected value is = -2.2513434984486650886 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 4 sec, 114 millisc

Elapsed time for the final computation: 0 min, 0 sec, 8 millisc

Total elapsed time: 0 min, 4 sec, 122 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 12$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

(	12	1	-0.258025764067906266104938511647326747581755626651204790077480822080106884046423840588606201329369584467736664796957582671	104
	12	5	-0.0287162921582689325490066297920971097824487395957341308804973603800422821408341098667722984684087627211908715758595681850	104
	12	7	-0.0988647154415368630147110555758591478968332378928071009472391601899641685169273380200762295929770436294212146247661839806	104
	12	11	-0.186229348817978487909250297709354469020729080932388105236051776758295487731779835143735972508331291500353135085942916015	104

The sum of these constants is = -0.571836120485690549577906494724637474281766685072134127141269119408408822435965123619190701899086682318701886083526250852

The error from its expected value is = 3.668856071545972737 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 1 sec, 94 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 8 millisecc

Total elapsed time: 0 min, 1 sec, 102 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 13$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

13	1	-0.100685781480840650826054684245037101139630949871205735041441945942565268309078591280749527885869090374942172742250679470	104
13	2	0.408121408059654031884049103167014018753624590616652035862529312360206442853571462778708961176223857302051402242725325764	104
13	3	0.239112585892285200612705417797891195546645535457184335559542605120521261420640413001267142553298934912301711842846369607	104
13	4	-0.0505328598505120298796706144708143287594189394202186219001875357010305068907902545809440986475954276701039274314034874121	104
13	5	0.112100638867445546796393311451929071243682685663933323621026359346182424421312320110467344150919633779849805760994817105	104
13	6	-0.0551622988521476065051274181761596857006941806181005978043518176436946989831338292553267344854943711698287614976553908579	104
13	7	0.0335873146148501386671213940787847220308956594958420723001948153355095820461917856489472836796640249684020426041189244040	104
13	8	-0.0945870140901804452575919645231916673077991526702643874065193000184903936172743201033274445179355314534199439389581381029	104
13	9	-0.105847318456525927710217272635766193728742501641630457293431915356011370567816563343638907184024013706296671767828294128	104
13	10	-0.0750038778198708263843470663648780685379577758141483665484969797013993349432457177672598678790749651647125812711369282470	104
13	11	-0.00313972069262046516424888960880107442074634553867175538396669579291224679276436854406760662623977511503285226741787941826	104
13	12	-0.123388940266971105554507554785351952005215054321249562849755765004468302817167203873010835976549702216713527361150633685	104

The sum of these constants is = 0.184574135924565860678503761685618935974643571338122283115141137001847587820445132791065708357323574091554524172884005558

The error from its expected value is = -5.079954560602116097 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 6 sec, 455 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 9 millisecc

Total elapsed time: 0 min, 6 sec, 464 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 14$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

(	14	1	-0.187075142544571294096739009948234514359895235998194952460551753548402851591707023453359867236229068566421309299199858697	104	)
	14	3	0.201040890174112274710632250928108809190397001066330651958131414062522405936030186975994951300198967945143264314016149835	104	
	14	5	0.0462743370707236697779205176376848081100737443965625473234781873465356263926432931264425667690391146156593953454969574836	104	
	14	9	-0.173982270629066452402131245296830870779711296485804073039242177788351829431201237509515962799454782839878483578293692483	104	
	14	11	-0.129679667080165399131092192619149646471943586991991257900214669581590246722841195004721776150565590512877162741104690909	104	
	14	13	-0.137938077000532872246020624950025583780211120582846566832393929422931450828412957277840137591599132484137113933964925606	104	)

The sum of these constants is = -0.381359930009500073387430304248446998091290494595943650950792928932218346245488933143000225708610491842511409893050060376

The error from its expected value is = 6.289467551221667549 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 1 sec, 454 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 8 millisecc

Total elapsed time: 0 min, 1 sec, 462 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 15$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

15	1	-0.150647978963567532122322731995188129392213439849669448681693908386876947271476465430836215111828120055990432401018633885	104
15	2	0.396770207983160251998922050299004412083010025912303039763589434194781437868981817937223875970281729408571673822666937504	104
15	4	-0.129898779670501871827464542483955650458713771781228665914697979892481823668497046817455857918579115049054876872993676041	104
15	7	-0.000673731631185033836879221999734963315692281432227587281354774286718000229035403242511090837642927813098471597496340858845	104
15	8	-0.119012940047367882153846633827608416763382403877259444990689796824865504703287136836161468762865430623666356262379014591	104
15	11	-0.0581864710236914510170452116788474015926671794869777078016397318738585827131583081229351025242552918186021108276024331703	104
15	13	-0.0756699892441886913329830707443071523119693714808861891469733197039942813943422631178792670542964651790140985502151158668	104
15	14	-0.134516437888348339286287132294000172530138263076188123087809042634395120325150317988635575659901061187847213394487973944	104

The sum of these constants is = -0.271836120485690549577906494724637474281766685072134127141269119408408822435965123619190701899086682318701886083526250852

The error from its expected value is = 3.668856071545972737 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 3 sec, 422 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 11 millisecc

Total elapsed time: 0 min, 3 sec, 433 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 16$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

16	1	-0.128759827776348794447559998151321435111565512402010366001061350580480656896580636590879744373128397636738130379471033902	104
16	3	0.222031698166735448033174257099835964423520029923282715719386870991449652189933969823998311954738896287754129633994360046	104
16	5	0.0622298408296727222480863663862872974297086120846984115965271200946218140378720794792464432674569510690266252681345752577	104
16	7	0.0146224283837123727744861994213432280623261202452873421998446298795975955370174366922442475865916174420423985699974433022	104
16	9	-0.157657912345740830676170627530106999387653957016482849404217317627519000436274699909658097950999012475865576030287608812	104
16	11	-0.0597083474977223182943795769684139964573509586396655392719156210601377598439953441640218167539755714169063307259127283112	104
16	13	-0.0625541569337582957783008821442827202946935089131441171492266343467713228922746934340871007411078881453504552311930834000	104
16	15	-0.128706509978907520103908899504645479612724177020766391497273483425835810798329902182699611555329944109331213855454841699	104

The sum of these constants is = -0.238502787152357216244573161391304140948433351738800793807935786075075489102631790285857368565753348985368552750192917519

The error from its expected value is = -4.127463080489219329 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 3 sec, 522 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 7 millisecc

Total elapsed time: 0 min, 3 sec, 529 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 17$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

17	1	-0.0855361885609129576295643226423818914437135127573426426050435743166544657264663801335013956840896651277161244771043442359	104
17	2	0.469456467659597635027947707076893056476246934639173470620444961871677456777930108643028616094375556695439308640022052013	104
17	3	0.279281962157684522943159338634080078499746742187212538632158023445720390120541996634029084657034650148930658272309863077	104
17	4	-0.0882686050900320520992399823060109940476123896504381814018043144978201400461747362607437098936683747972410282828199139945	104
17	5	0.116645623390101701873705003259308136231314126709969380126915736133177281249489100140443990023531096485679755851241414378	104
17	6	-0.0567688219769636931555294033739191131518721164520230249564010619247371912918077889768231770817609498827895714286775380163	104
17	7	0.0739224139291385848023502080172229700045171713721614277730159667076883515928135840599144513246561570441659196485796954630	104
17	8	-0.0752840833161198492957174413467365759059531930505766305106056926989282788571577150388213516091533853339504324695854254060	104
17	9	-0.0789472879331773051595434202827844826574970611624355565384365026849164272601523399683747258322638147161087202825738500740	104
17	10	-0.0791998959634822396407269997862347897972986403971843847430358303059836170768527245581411773891921806433524289047841713875	104
17	11	0.0142283954027929130841022904176903258984255613617600516044419161333072230264139099761357378594393231804033836970960576925	104
17	12	-0.0492068514216906194104401918181230702301298417351155809965115347986449807371205048803457977535539067543532057341570083041	104
17	13	0.00157797313866383850286491231347375683940299347293496736715802146807136782438922355821364185802101280081312297329352915508	104
17	14	-0.0658638813860257380455214551609974645755294042911090529254732284704094061864279426472278347118908794898574252343882484296	104
17	15	-0.0891172602223702325827014533945291462941301944989450905287709441347970353613890192778676362960781742905055170538129702104	104
17	16	-0.0842462763713264313420708921747255250296446451339013082553994927077083700918370321440113782488068731284556597295379415918	104

The sum of these constants is = 0.202673683435878077873073897432225270816272530614140382662652449219042157956191739125907337316599592191102035485101200128

The error from its expected value is = 2.832572702296523069 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 12 sec, 649 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 12 millisecc

Total elapsed time: 0 min, 12 sec, 661 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*



These are the constants for  $q = 18$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

(	18	1	-0.162358232142869905492944933717972178764177885969702364896758889794666063737008314318891885347955412139189814742428550860	104
	18	5	0.0358267016686470538569841873571831423790981498095518892720564507624780891766189349693372589606580430257250910341902348701	104
	18	7	-0.0651948324521771570781746233921313566504338701919949838012176318438056917377110882222407652649483601599051218498169439414	104
	18	11	-0.0926336872538267719216788298385634847782500589334552305681410987654705263895341433467509936575481925396565234150832223825	104
	18	13	-0.129337414914396066548530010113082360063977108382314542326743460631599297088631776067549780309442855798062942829478277327	104
	18	17	-0.158138655391067702393562285020071236404025911404218894820464489135345332659698736633094536279849904707612574280909491211	104

The sum of these constants is = -0.571836120485690549577906494724637474281766685072134127141269119408408822435965123619190701899086682318701886083526250852

The error from its expected value is = 5.503284107318959105 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 1 sec, 637 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 7 millisecc

Total elapsed time: 0 min, 1 sec, 644 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 19$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

19	1	-0.0899682226113909505237490386144749651093791522798892879471725989468206591604312927109250399747818327039285145610782176395	104
19	2	0.43887805907686571014633140143742991357698846033088843913286424106154555032658522740082862295806914817723647222636708032	104
19	3	0.28454310704259371409570138284859625807102424325082045787922324657088593179746967116473243888332256669174556078884089859	104
19	4	-0.0260100818297152534569786263538206633520622339471976780867347645971180637888092057577770584687911904975918781461186847339	104
19	5	0.141110380993091583900975746500375041011964838145699410443495031595904773034469685488031393372251174364069411724986966587	104
19	6	-0.0804918000953689859289166355148844412974504388352741002193550851487871617016419180761696902816064782670146126671791615449	104
19	7	0.0670796054151167020537696469898575996157338351505131073069278670725216879027681586355390726227406044563602895773766136546	104
19	8	-0.0793901268062215372138481624173356206274506186790804482662568081010660006127459179652522737817353519863514667995780430822	104
19	9	-0.0682943360765809270304627621554122947698683058681676017303729342093424550167924929945824882767277298941952172202403336008	104
19	10	-0.0387625359393931545456108286446943001403179842876436868981649140340289048936818465787006480266243645207229281318137415718	104
19	11	0.00655167708555981608370690642828094735783494256979186589036182494264090861845408799935653928542842240409299907165823370719	104
19	12	-0.0533765792767426108193891239413617711674616582305865996519876700853561350514584980089212614837470170772791519709630074894	104
19	13	0.00474831033282213807784482425375315503782836810373855439826095964138895094612926262884586127108788788782322890619805345847	104
19	14	-0.0726033393963864766446497865584011262546941661595873203700169820201767829408935169941126151874389200551307198749589490845	104
19	15	-0.0714799682750444388291936959822660297419849252035266954541405373814433752087459633972270923145779607436482399376807397527	104
19	16	-0.0770224886323688677766209560333411937064042352411081053752984662391841787460157514944250788604903862462990417600979379564	104
19	17	-0.0266638047504637851729584672182760898604794202289346874535741042796244724927371194790988509580954673599914011056573654464	104
19	18	-0.0499822191869191745814583040689734261616750460530868311477469319951951892555365303843626647394154891798279342091989798628	104

The sum of these constants is = 0.208865633900274362702795259661327437998935069313830785139432634977556089844736630766774210381615072067263026197175503534

The error from its expected value is = 7.241163299103893560 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 14 sec, 653 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 18 millisecc

Total elapsed time: 0 min, 14 sec, 671 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 20$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

(	20	1	-0.158098831970318189852361416460333488600065948933151171780428967676799540273913912119178353516789184637717155570901169485	104
	20	3	0.219749000042684896839511475071223170696947642772565484262560419254677817296802761483543209323599753241788300964610909232	104
	20	7	-0.00821115828483431963274140139108022067388045324786570531822888546774670930290281336073286486549157439129411919155143640795	104
	20	9	-0.151852262891758409603360108359634631766370530244351121911122557708955502795094438287395184471691222826842279774766308068	104
	20	11	-0.0507356180169407932870065272137020423848146704034959847029046725839359897107208614345929641192942272368753876577198975697	104
	20	13	-0.0810985960009081369930078463098054064389660847973777850668902024502042700610988281042506118074283157111354224438717063561	104
	20	17	-0.0956923653631904622052157703096503305588018022720588421995364546241898530571507719445543500018696240132326785832779669465	104
	20	19	-0.112562954667091801510391566418321191222481504613065667091384464817921441198552926518696249106788953410059810492715341917	104

The sum of these constants is = -0.438502787152357216244573161391304140948433351738800793807935786075075489102631790285857368565753348985368552750192917519

The error from its expected value is = 3.301970464391375463 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 4 sec, 219 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 10 millisecc

Total elapsed time: 0 min, 4 sec, 229 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 21$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

21	1	-0.108448361329959580540493590892838142203809330266263051523349283808648623599067175490177092216327836405845197277540759679	104
21	2	0.425048795992232665326001566332592535347805065580559358464314464359431241422393450022897480651434672114166191516082110293	104
21	4	-0.112273301868541386314106247798142883180354924576407955392594894121091525611633123384121532813888115123322077289005669932	104
21	5	0.103816933245274320762528712677797012507822938353028816328173943197345670947225179014764476650835990157971009177301908450	104
21	8	-0.0786267812146117135562454190553963721560859057319319009372024697397542279926398479631827750199012321605761120216590990175	104
21	10	-0.0827607926062097370238031413241567050640050161479450822582517448255169840039168386853575176153357802498566170305588180114	104
21	11	-0.0174063652116240128169859448210067632915886624155833025076197754604987211112080716206002433366774753895550854520990209768	104
21	13	-0.0396915037660255136713627233956554116480111803877089584851288043733636610834146104854337920869657086789205560412949081438	104
21	16	-0.0990310666212991177281328116294234061275163620663634315035566421477830708535946875324134434508894549540446750943758027758	104
21	17	-0.0495316505530113215988979410810678190789313161190575991169501744452939433933863076719808644177985851383334519887583654868	104
21	19	-0.0575425961745506509846081950401122043977491939564662690046957558508100445545818858883219098817968755423116138318049509668	104
21	20	-0.0982465732345073585746579015543701721321999401951376083472651250495677897449983467924063455046334238052165578926700174623	104

The sum of these constants is = -0.214693263342833406720763637581780331424623827929276984284126262265551679578822266476333559041943825175844743226383393710

The error from its expected value is = 5.241222959351389624 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 9 sec, 119 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 11 millisecc

Total elapsed time: 0 min, 9 sec, 130 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 22$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

22	1	-0.0971374928906314746785885170741293653289370536851921057380578393114430532999623862192092410631986685514428391340152092996	104
22	3	0.205776659372626240307117197724156782249912705244130774518293717876512990497431908545458915776741312827482344097012406739	104
22	5	0.0580070456893222142274453666252812885175652527551191984504363843339040018445010039716803172293989792197836726817691289438	104
22	7	0.0346826527448329048178911173499074898297319005540131992197808429743024482602883359919023869392968812059717245803901168502	104
22	9	-0.101561999988862541263073245639596551261510026508020017229708665013908335711972567910535468321043123037970672697834903934	104
22	13	-0.0585377985371332328807010857680084437292534353152291561305699876231163682164888499726014093636960631133107515558065743949	104
22	15	-0.111970376540423425873178133703895483064177936664383160458253214407456112309877907015761691490022691901406149937540462606	104
22	17	-0.0661176420913421031058500523290528525668247392631089098154454867781488136138411596222077946196082639668198308162608455321	104
22	19	-0.0710001212280214976976980958116423277356085722465656122212935658572597282211526234990562471200039174413684417903424625531	104
22	21	-0.121552804591815209188846803673415586950240537518655913494027063177553427422466635464618045624526885135378517268473202641	104

The sum of these constants is = -0.329411878061448125335482252300395050039342442647891702898844876984166398193540881194948277656662439894459461841102008428

The error from its expected value is = 6.003582662529773570 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 5 sec, 65 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 11 millisecc

Total elapsed time: 0 min, 5 sec, 76 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 23$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

23	1	-0.0480827290676350736638918525048655180732513690862249936037944186781622086046392023564811894192401209246133161117094607122	104
23	2	0.441027512913678011505244304391675634535773142941644274324508924367613147041063114603917743090334542462867906963580025633	104
23	3	0.259492707235014365013870288091724195420266767882391493406595589094035793544406598684876602074063884999066432527930498246	104
23	4	-0.0585290810175975633222663716306379681185211171149570568674178217822237921623693758951448470353024612372096267547711015545	104
23	5	0.135027824012482603504144124567519563745772624506010326278408173791626788952478804385669684608542697208641079618519565940	104
23	6	-0.0385021132023151878394033414768359716435888467594094758528597402377687277165479468908467662431625004251712656138749484426	104
23	7	0.0892515193149428840448971502193793192786806612901580798949876135343248037735105499554025972548838586465318151578292811350	104
23	8	-0.0457303504081775027911606591585442978704896731360521586197228332131430039108464596157097609851235064390418680793318056693	104
23	9	-0.0612264185459785966783068859685677651598209309851850066419941591144507000125770585162347009181544679573784864325382510742	104
23	10	-0.0615939280097299554620273295421970847977899014219104862394402423922247468662738211379850678611440801021753099526754864780	104
23	11	0.0303505530622774014924775241406855381663244308731838279723974793448751549498086782227657289262410604724570048640653299241	104
23	12	-0.0642621909329921656644753674231551590809152519532634442265207464029539028658098919122625561381291058869189471453279198540	104
23	13	0.0194249159605419932609785219801628982998598748102574810012726702703843696222027669056568519687405384090324243880115191268	104
23	14	-0.0385006081471328316021591356340317618118703216549051609707339816903583881004193561882414767720684252409205311058391496488	104
23	15	-0.0454469588445501458904817426717731764056948790352198049863937408517744808653880005373737518905963396700556261936268814365	104
23	16	-0.0656044352195855126055467622606400539247101931283463529535240817796100970587945799337601137176186491706207616392299806069	104
23	17	-0.00745696008532532579474226250398429754604130561149598169554627392373464403948981189748754614915021412103891814806235493454	104
23	18	-0.0444689575969027420049156599494579089809471605034079547058946742131713793072011770765926068228416106492306846157998689267	104
23	19	-0.0181632555798603106425606331482914978746483973183881674583131680696873563047197144114373665196664844874060777664595150776	104
23	20	-0.036750850089227715581357262292509551496075385248244922066465054467772530860100124346849240138374992047546267326864841844	104
23	21	-0.0525703159533774610580850929838796322233514636544558280338733827826180873859995158616073640833702511497158602003336385280	104
23	22	-0.0696669278204716018561090634591666019091337878657620904592640907913202569598859435956878422669803014742350489082970730039	104

The sum of these constants is = 0.218018951978077566364122490782608902529827517826416597496412040011881032636498644496751327086420564058109708119372299872

The error from its expected value is = -2.5123688316021335046 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 28 sec, 590 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 17 millisecc

Total elapsed time: 0 min, 28 sec, 607 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 24$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

24	1	-0.189871658349929536111693858531145486556224502793454214250390567133450662619695886460976212796594219747299274807452078718	104
24	5	0.0678297896138911564630301373581858381605462270293048702743907406945067125723253401727893310591244276441135600264469958112	104
24	7	0.00389750196300659591388360732246770734223070594812132820130598329560359441659527702118533915895373327697247105596821489924	104
24	11	-0.0682477652597767446659439903035845101281003182087877277373169399164536780538720926320952693806392315560918487445173027191	104
24	13	-0.0681541057179767299932446531161812610255311238577505758270902549466562214267279541276299885327753647204373899895055039535	104
24	17	-0.0965460817721600890120367671502829479429949666250390011548881010745489947131594500395616295275331903653044316023065639962	104
24	19	-0.102762217404543458928594662898326855239063943840928429148545143485567762933522615041261568751930776906393685680734398880	104
24	23	-0.117981583558201743243306307405769958892628762723600377498734836841841809677907742511640703127692059944261286341425613296	104

The sum of these constants is = -0.571836120485690549577906494724637474281766685072134127141269119408408822435965123619190701899086682318701886083526250852

The error from its expected value is = 1.8344280357729863686 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 4 sec, 689 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 12 millisecc

Total elapsed time: 0 min, 4 sec, 701 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 25$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

25	1	-0.0678763293383878233853311155868773081704468902802934819797210202420732033566758415474641000313704937981414866689663203545	104
25	2	0.425580674968022062393772186834999681578672045504601318310753943540580399154012436288100468080773337989795975955465951018	104
25	3	0.274098844581671530011991699872928072374693991631180244588607887917370705097402577655399092906682408135385036413409056130	104
25	4	-0.0327063751586661128000110887064834108611789347102963371273001913980937979166966445375240067146709130718995576752067611576	104
25	6	-0.0391756630681957562873504443200647785472442089655818645146872650685540080244303112727106994560527629405958269157575128877	104
25	7	0.0765880856800674517324146049757269074166130781318729595491910702863747451135099848073179001103557450075365808508714572672	104
25	8	-0.0664289352730404372759582197882182972510093102418692482002163153743691266811681186827786320145884537811358629819881606738	104
25	9	-0.0573045085284662049188276680417189461633885999030638882079651053390781298408035244375275838894552581001423377464293939024	104
25	11	0.0247106130186961747049972421265328522334732435710714690685756299497934924723967471313234546326805841510291273385483280036	104
25	12	-0.0514707633890301915963651987923628224786904175824980031220196125366844669187672546133811620509793133471881105451436484872	104
25	13	0.00901281368475177178993081308223920430022456604860393351830824260503084503321878299887562619228313098528942278772221110722	104
25	14	-0.066245019854902846892208797762872120948350680985608659594791954606830538046826721181654028153807627627444694414462177725	104
25	16	-0.0565663578211710011402276900396860234028283001089051158920135341355893371815183988487254382352204899635555254699253439614	104
25	17	-0.00653073211614717071826061728589612456136132936248773792182791926336320441757005386860884796125492499060398549710680418953	104
25	18	-0.0580379241507287303666942187853444852809222868980728699962803269187366479428154534309823428074799454395944931054069478141	104
25	19	-0.0316550391620936361081696771112703938160288197765922925263863293443057181364667977380279451628562015165628715799502129461	104
25	21	-0.0699267127782005770314559358539402730978344635529381631654874507643124738944069690161945345461202493233288315125202178552	104
25	22	-0.0480707887909369336495181474331981931879156322114130843338628221188440352912386979187155730462560430640672585389163589625	104
25	23	-0.0199943948008773743127664456201867298850054025646543607147492714248222282709338551612211467607257023692912245929969558738	104
25	24	-0.0765042748547214103945344431556109511999049994818556115813762009847162442949977259748464949961170407855528538244490642066	104

The sum of these constants is = 0.0614972128476427837554268386086958590515666482611992061920642139249245108973682097141426314342466510146314472498070824810

The error from its expected value is = -1.1006568214637918211 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 21 sec, 387 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 19 millisecc

Total elapsed time: 0 min, 21 sec, 406 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*



These are the constants for  $q = 26$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

26	1	-0.100685781480840650826054684245037101139630949871205735041441945942565268309078591280749527885869090374942172742250679470	104
26	3	0.239112585892285200612705417797891195546645535457184335559542605120521261420640413001267142553298934912301711842846369607	104
26	5	0.112100638867445546796393311451929071243682685663933323621026359346182424421312320110467344150919633779849805760994817105	104
26	7	0.0335873146148501386671213940787847220308956594958420723001948153355095820461917856489472836796640249684020426041189244040	104
26	9	-0.105847318456525927710217272635766193728742501641630457293431915356011370567816563343638907184024013706296671767828294128	104
26	11	-0.00313972069262046516424888960880107442074634553867175538396669579291224679276436854406760662623977511503285226741787941826	104
26	15	-0.0918785919403459681159508968329859812463754093833479641374706876397935571464285372212910388237761426979485977572746742360	104
26	17	-0.0505328598505120298796706144708143287594189394202186219001875357010305068907902545809440986475954276701039274314034874121	104
26	19	-0.0551622988521476065051274181761596857006941806181005978043518176436946989831338292553267344854943711698287614976553908579	104
26	21	-0.0945870140901804452575919645231916673077991526702643874065193000184903936172743201033274445179355314534199439389581381029	104
26	23	-0.0750038778198708263843470663648780685379577758141483665484969797013993349432457177672598678790749651647125812711369282470	104
26	25	-0.123388940266971105554507554785351952005215054321249562849755765004468302817167203873010835976549702216713527361150633685	104

The sum of these constants is = -0.315425864075434139321496238314381064025356428661877716884858862998152412179554867208934291642676425908445475827115994442

The error from its expected value is = 5.079954560602116097 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 8 sec, 66 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 13 millisecc

Total elapsed time: 0 min, 8 sec, 79 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 27$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

27	1	-0.0767903776665845605880348437584555747247913737087674468799363198785228291793126113338413914353185147055108871984132215101	104
27	2	0.462292006324763969744850346843796161246798598299001145807536567591480675817610334345986960203803471285137117876242508570	104
27	4	-0.0548339340661284683639178166295687101263887167145354833760469416702021879091233209343674789698409070376307093242479915189	104
27	5	0.134427327346665919474654216616513851988786281393108726824263255203275919246698144142389909246175434415920580696021678136	104
27	7	0.0691494395589238665548057625698289685245290435177551950340672087924386117052960440220801981855831196990075341838086895686	104
27	8	-0.0768769803284858737845620651515495434270020672269049582266659184418575785494338515208685484289026510385642888353867154112	104
27	10	-0.0649613760439290533322468903272940591684255208937873208711175195279558725812915949055799601267660249202020458746184158911	104
27	11	0.00553954519387817496901184234302946761594947131809432303876238225756232300883661546539223774199617398011530003015069432230	104
27	13	0.00320102364968502889678185528059447093083051263116469056096038786956070567937008762258543617291059514365681476343113212506	104
27	14	-0.0628790175249347708431790471400483518169678839862173461639644937109565700846104123050330266493143097921447655003587601018	104
27	16	-0.0545445147503900902720042580581084827553305033268057337657998164881923679783722958486818094175066169569605326805192528556	104
27	17	-0.0136873171382423266702216442596733959836543002346086195302357287415091453801580030948452788195808386085278289634993984586	104
27	19	-0.0206064784323562915726631996322225448709609913671475971457050503881873619764041080794705337858708725134768816693969116332	104
27	20	-0.0604652387724689166355410190253891136409981285505506994144400486145135252159810931581301916033478378049089413214764271008	104
27	22	-0.0777045044979526270813940487641081208684189042989437495116569068309578148588785427557677375125125439040890482686614161079	104
27	23	-0.0357216081530840947744909821192823577927202475973394913882423107298412599854687968680196236362030815980507241614726849895	104
27	25	-0.0797997572607109333609761279038518424196324103829444450694850241480519354646348363956391540330248629019521233531063788288	104
27	26	-0.0675743579243395019387785756088482969933695439427053170635628419519786087301068820173807090313664150605204564820233791668	104

The sum of these constants is = -0.0718361204856905495779064947246374742817666850721341271412691194084088224359651236191907018990866823187018860835262508524

The error from its expected value is = 4.586070089432465921 E-136

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 17 sec, 564 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 18 millisecc

Total elapsed time: 0 min, 17 sec, 582 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 28$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

28	1	-0.0956906026161362091561059269068234970490443658175782634922966166746243143356041453011246719750662635862867985396591627182	104
28	3	0.250979609690245352267647939596749927084455372389800135298501863215308176116194744468018897867650888123861392976517769842	104
28	5	0.0965440322190736701609415041799049446177528646069375953217411275422816416295235797270921631121849892829345044494739129107	104
28	9	-0.105371736440756808927190072601420303402182539755397722017939215280490920299191851506046727931927643026061617412458392167	104
28	11	-0.0224992237330142952599034919384010016794794331001842079970550362228687898548092910853517463396500273489017978009241374983	104
28	13	-0.0251045865250716693033862567616952388442078000656239975259533955358083461337890719639052866246019465168201312674913354648	104
28	15	-0.0913845399284350849406330830414110173108508701806166889682551368737785372561028781522351952611628049801345107595406959785	104
28	17	-0.0499387195161330775570156886686411178940583713234694833403704491527857701801645574920239465674519201787181286625016200068	104
28	19	-0.0502696951483500003830209865422201365076791202103750479982629401957460152368802866006495963431458746672751091039769554271	104
28	23	-0.0686105341883096434749411726954105673775287567304063510213029625078609091320093860034692348675271398138168661658353003166	104
28	25	-0.107180443347151103871188700680748644792464153891807049903159633358721456868031903919370029810915563163975364940180553411	104
28	27	-0.112833490475461202942634368188330344936003320517222569306440533887123104694623885313934850966997185967316982666473590141	104

The sum of these constants is = -0.381359930009500073387430304248446998091290494595943650950792928932218346245488933143000225708610491842511409893050060376

The error from its expected value is = 4.717100663416250662 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 11 sec, 333 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 14 millisecc

Total elapsed time: 0 min, 11 sec, 347 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 29$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

29	1	-0.0417356499169579406208082442798820366055269664239015423375053508712086805914683248450537166127082356758235980198560704499	104
29	2	0.482532830729547875701113902760100738957713763075561756266053570930769022495505354695815753161221954263693243252632091672	104
29	3	0.292168412254037215975645844241059362588499375248898801164580226659255588582862582356993115667778113100156458324381905318	104
29	4	-0.0558782007307700609098236967024273168346898039740499907675036988482164523391306278086315495284319250181825344148372305335	104
29	5	0.144248388459483323814156481948364007146266356728142922049077429762951105895506237606231415944961278486838623262455266916	104
29	6	-0.0550157080706364718589998481002241997674847125638515391780537773853697795382412361756548519016010373173261043269527449363	104
29	7	0.0878161342084009368530584583271223339177536640851548075059396450691861662878802007520582402355459978274822817839310758477	104
29	8	-0.0279131636144892226465226284887534332044049049074469724463805248253239044077413969316573132810116974121545281794058382921	104
29	9	-0.0478793538480574964601484550946916512110658884933656252585822793600596472489934262477665762028596784037905883895413056011	104
29	10	-0.0493733310038788886148071001246800733303228204701708199149495424292306800262136546175342412107894702903175408968466738925	104
29	11	0.0354561687570660089727230905758117849681139002271371107982645267671858201738906344375619736398800351036301186904998798034	104
29	12	-0.0281297559956156333107015581196226377095093678212125244365112472000438236045527297483879848820654994802076769844359287689	104
29	13	0.0292646727862489336601167343363168486723214736436927322857551995842069531996060746145306956363336568601424311662855470413	104
29	14	-0.0296402516644303204114059888548693512500122310336690026564032931107611706242994539889120875119933765636277401668825677692	104
29	15	-0.0397731134842130270393193354339514077296870758212360735280370987664802326594633123748256692671123495337452819006437366720	104
29	16	-0.0510605768264662486430050367253222971501540035993210481126814215259464391986865337239865939006881852321776235065500316561	104
29	17	0.000293476655225282963540608534352565258509765930168489252012610347220152536351889801547639808069867260512279701886613440146	104
29	18	-0.0331775346968344535088997103519066617359209544254289457669545608650873185154582853697297729728386971471833140281987202875	104
29	19	0.000561526246227023451014662270532840608589630801532902538684206258874191659853075267326625896972330258597553351176596948158	104
29	20	-0.0452858350940568672950964773680344453666204414391531143277170007395232443218320242166878660551687795050451066566097062572	104
29	21	-0.0424878242575458403328791614477569930398624500249639721245928326514132413414363393411017294962254602425719950180021671240	104
29	22	-0.0456868833210664494640065653139548444050737815444646325060920913956383972590634460084817354808623940297906730606322493821	104
29	23	-0.00593156629402357558532800836361378254654211404952642448482474353845529709890560016258515506838539015798554557978999999904	104
29	24	-0.0418557329231860777427863525756201481393262962264044219519086240900362483363112801538671225233087792779831061491954142065	104
29	25	-0.0414392827293251104187943429106673141755645372720542031792399532579168507514468232253555097010098578556247912757699124585	104
29	26	-0.0500715578626726043835579652853277076864366069335016787407391770909981663687138350792325598916996458247032030438422596323	104
29	27	-0.0566314149686375704820009614121095501890281634614931329254385173287680771812288181187465600411698173602496645821343377597	104
29	28	-0.0563604185664196130794653005349970468510371265111160303345322937604537350726248296107587157852069954731033398964184471035	104

The sum of these constants is = 0.227014454226953128583013045505247583189497682743957826881719386338717614345644071783108148675625961359459033456703634205

The error from its expected value is = 8.302368265351877961 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 47 sec, 8 millisc

Elapsed time for the final computation: 0 min, 0 sec, 20 millisc

Total elapsed time: 0 min, 47 sec, 28 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 30$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

30	1	-0.150647978963567532122322731995188129392213439849669448681693908386876947271476465430836215111828120055990432401018633885	103
30	7	-0.000673731631185033836879221999734963315692281432227587281354774286718000229035403242511090837642927813098471597496340858845	103
30	11	-0.0581864710236914510170452116788474015926671794869777078016397318738585827131583081229351025242552918186021108276024331703	103
30	13	-0.0756699892441886913329830707443071523119693714808861891469733197039942813943422631178792670542964651790140985502151158668	103
30	17	-0.103229792016839748001077949700995587916989974087696960236410565805218562131018182062776124029718270591428326177333062496	103
30	19	-0.129898779670501871827464542483955650458713771781228665914697979892481823668497046817455857918579115049054876872993676041	103
30	23	-0.119012940047367882153846633827608416763382403877259444990689796824865504703287136836161468762865430623666356262379014591	103
30	29	-0.134516437888348339286287132294000172530138263076188123087809042634395120325150317988635575659901061187847213394487973944	103

The sum of these constants is = -0.771836120485690549577906494724637474281766685072134127141269119408408822435965123619190701899086682318701886083526250852

The error from its expected value is = 1.4675424286183890949 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 4 sec, 181 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 11 millisecc

Total elapsed time: 0 min, 4 sec, 192 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 31$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

31	1	-0.0566679483375495073338093411616796167783112759801788177376225718624464060084828514207848142355793838306398065403724318176	104
31	2	0.450821822288535373537978881852507697163074767160478503632236477276566324829317034711259271042304289463555857042756492996	104
31	3	0.287501387107775475618476159715650981763746686597652858398621492917986807653311205863287582431999913848238214447195838101	104
31	4	-0.0484111085435540340258395745255890596570410630516475041308171931483988763284786736770736330675743070959347280705218969706	104
31	5	0.161193142390964948118984135557217363408749224256692807217300001748982669209879732972850298843877714019276165824269154768	104
31	6	-0.0254153917626053814961151828869579510622039096019918036276851710308576735530485986462784972385817745070606190964257440774	104
31	7	0.101236046405149162725922294958948337100645777314584767264790830208225090031996821442245953248547679784352994051974608806	104
31	8	-0.0433708580141647614673221691469353473427291918922941255462198347143258498210622119411199713856136745734462499157523904249	104
31	9	-0.0401398916471939694778233191010111945967599478963085350412437553662547059397280285457217797568726281412611247436636014345	104
31	10	-0.0221387822465309500086836656300113378267091131987920312009287684876963636007889902668618399753868000851956977156404005861	104
31	11	0.0511346524345848067922914087761448180093351795158671593595477917047409426012983065725049538851252512841956490979853912622	104
31	12	-0.0233838480951491688138300978727021381937783625475768063530578134477319140149040213330682730659045194640250403806139802016	104
31	13	0.0315362567351176527341278346720323459193920916387740610584517190352582843052405218291412304517510910299937141150087042354	104
31	14	-0.0465630265146793834660875935483585342639096919817905754084496831536747443543156639491030510485698125622340193192476018951	104
31	15	-0.0498310535264976290417750036239029671532412259980968844008763128548100352682036732622752912489102735335517410328393233097	104
31	16	-0.0243560887417669138254481258053564017622019350945272246328206543005533904301980899289045926473637455862436951161907686220	104
31	17	0.0135487096583120152635642015066528471461817354947257336153101566842359284609316425458405528641350342112713494030841281898	104
31	18	-0.0528326625434653246468068446964396570032986773082521252845701609515606907862436820307534791754444281406736254775606641662	104
31	19	-0.00798714531892497163633165748475343332594028255807988707004062406939144068545810402301113552375148418077294122364081858364	104
31	20	-0.0499964971925383230157536473626509503280247409735451315683657881553770715216769197609266870892087905700803114443676440576	104
31	21	-0.0433688246514375298603804541123745428210160312328728826273339413650044610448041184280907849069611050840898012773417852841	104
31	22	-0.0360222401645530657583695598559825488542869789638637612086703197006031503254745574721141134143010378546737959102103071266	104
31	23	-0.0106269238746661817600878551256876178037685056310941124405499227983520975046105665400309608465068004198899671376459235486	104
31	24	-0.0521222033177003844776066681673636197551215749383298109156948390832380716374008880769431088014110456731862904199087744760	104
31	25	-0.0475390618349662315765593596154067926808536089027912283251740828013968846994462463544372128021680172953225329014373295431	104
31	26	-0.0504432869876963097157090249251503086757019278877314959619579240167583982444560699037180269845625335542916235963912400709	104
31	27	-0.0375163345836554339800272226465149791428922436398023102871440486056727625400411386733201490899834139806096114561582019343	104
31	28	-0.0392759228272583017557957120112763772805305174455181780054705961272394531198682935107547389594935837138860366050486667313	104
31	29	-0.0200091626333425114371390958780184935942807197190016623959050895303818797154844024096293500667786239913748247978725709338	104
31	30	-0.0397146053290294147166814193753669196214734163057478546997241923374097311794635241325818490348246033039374448116796862102	104

The sum of these constants is = 0.229239148331513751497362322479663600987050519228941141675935181666859994768335951649626502401988586498502414991742566352

The error from its expected value is = 8.609976748547403762 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 54 sec, 69 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 28 millisecc

Total elapsed time: 0 min, 54 sec, 97 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 32$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

32	1	-0.0900945532808887670153837394309326752908544887612481498411505720828164747142814808543046086552650617890992118569957184216	104
32	3	0.253085106557749569899491330919925593639912965346723340861715919331026611003481411873606301000017649754013477712064272480	104
32	5	0.139374271874937877965208264241843109120959458052540847389770721688478465504527231423769076842929153242637752645943264390	104
32	7	0.0712339620017997062314352316099141827263680283552867608065062110186534498057974725250833837592795575440364056509879509654	104
32	9	-0.0618443988326593851388114701595349903728924887782091935847036921546001989272105350166904729939851764527035114215116578833	104
32	11	0.0239102605915946855431541880278387269796708675773236185892327590532726523860487364084515096865593078768559242753256853303	104
32	13	-0.0156696871039975784473007679875774789276053279523814684780284654366059857127893807770347056903706235018878013451151458406	104
32	15	-0.0664939001000107372305968552352863736622360300858778357264292146074667489801437847124141116453580834465656731297957666474	104
32	17	-0.0386652744954600274321762587203887598207110236407622161599107784976641821822991557365751357178633358476389185224753154808	104
32	19	-0.0310534083910141218663170738200896292163929354234406251423290483395769588135474420496079890452787534662593480780699124349	104
32	21	-0.0771444310452651557171218978555558116912508459678424357932436015938566514666551519445226335754722021736111273778086891323	104
32	23	-0.0566115336180873334569490321885709546640419081099994186066615811390558542687800358328391361726879401019940070809905076632	104
32	25	-0.0958135135130814455373591573705720090147614682382736558195136254729188015090641648929676249570138360231620646087759509284	104
32	27	-0.0836186080893170038375337649962527234370218262169891578611483801134104122300440805724733264405348792937622550012384136415	104
32	29	-0.0468844698297607173310001141567052413670881809607626486711981689101653371794853126570523950507372646434626538860779375594	104
32	31	-0.0622126098788967828733120442693591059504881469348885557708442688183690618181861174702854999099718606627655407256590750519	104

The sum of these constants is = -0.238502787152357216244573161391304140948433351738800793807935786075075489102631790285857368565753348985368552750192917519

The error from its expected value is = -2.751642053659479552 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 19 sec, 423 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 16 millisecc

Total elapsed time: 0 min, 19 sec, 439 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 33$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

33	1	-0.0654964076739609422800752296322158287161000932021216008170209946628451766216892071213079823617883628290168126737137892287	104
33	2	0.431110618292021459479639459793917232684625984753366639741254584585458305184351206670088530215738026373456582194152737806	104
33	4	-0.0511058883039298473986925777510682624298130004563527876512488736494343950273994778722969212180280789665801882456946753555	104
33	5	0.137287774615721887541910017577057576063049796164582342532867736443484567492174595220949887618449469894011361819370131460	104
33	7	0.0781711808232570691319258843801803991616562830835220867808897850593631629624435083522480581171609476288510436956759180159	104
33	8	-0.0454213819464802835431835214110456482393125837895112111497588412928115883450376692046231787410245701578434257623940519170	104
33	10	-0.0472826878663330226605314081566110962098628466449897864555325335569552766980318309142841980166867508173443598931601041198	104
33	13	0.0103515831708453076396594544380743235861205799314042041281754277914253265991599433573100604205659105132326662500406877990	104
33	14	-0.0489812867696140207583966570823936594747244875756172272992374128254094094188917274315569006046846138728311882054641245257	104
33	16	-0.0792807289263996733144646509517762875454845434094631440824313521095805656476735912492695703890504906742276891376010025160	104
33	17	-0.00742995329564483270887428124022330431942343550671285748728147153147306839284152945440645402362249656401456253546570465398	104
33	19	-0.0255787392815412141545145744005966794962959884570544010715347245644481398761149542944330683789793472835250160279484106361	104
33	20	-0.0621562845242720778449120301060365272887982153890449392176581663143990260959363265680055167733958414052482186201644562702	104
33	23	-0.0316410852166705323985132874419135366128369604830705049210368446485978766782731790979012587014103057224260264603014200709	104
33	25	-0.0785753871910930722678194785267828916086961405135853315158022026314109334170096973563175169519074066330198010308568020691	104
33	26	-0.0608644882364935784744855559528272206343649362080303728070043407580217172824784291434647702719946129348259616918457872507	104
33	28	-0.0586876887956972703969757710888295482474013037563960523281640152466757452209996301678013405959857674028052682807951408781	104
33	29	-0.0434885280784241643140347670302729093319243825295088875611089420850607147021551723603456711778640664228793191152858011657	104
33	31	-0.0394057154645904634181612155335600239727118111189750780120504986995093096160362413425299515476472816327224540776704476634	104
33	32	-0.0742701167254821865283153955168044907403776908736661270384945296205981507244348045503338476078401343180341573753130985213	104

The sum of these constants is = -0.162745211394781458668815585633728383372675775981225036232178210317499731526874214528281610989995773227792795174435341761

The error from its expected value is = 0.E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 27 sec, 319 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 16 millisecc

Total elapsed time: 0 min, 27 sec, 335 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*



These are the constants for  $q = 34$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

34	1	-0.0855361885609129576295643226423818914437135127573426426050435743166544657264663801335013956840896651277161244771043442359	104
34	3	0.279281962157684522943159338634080078499746742187212538632158023445720390120541996634029084657034650148930658272309863077	104
34	5	0.116645623390101701873705003259308136231314126709969380126915736133177281249489100140443990023531096485679755851241414378	104
34	7	0.0739224139291385848023502080172229700045171713721614277730159667076883515928135840599144513246561570441659196485796954630	104
34	9	-0.0789472879331773051595434202827844826574970611624355565384365026849164272601523399683747258322638147161087202825738500740	104
34	11	0.0142283954027929130841022904176903258984255613617600516044419161333072230264139099761357378594393231804033836970960576925	104
34	13	0.00157797313866383850286491231347375683940299347293496736715802146807136782438922355821364185802101280081312297329352915508	104
34	15	-0.0891172602223702325827014533945291462941301944989450905287709441347970353613890192778676362960781742905055170538129702104	104
34	19	-0.0305435323404023649720522929231069435237530653608265293795550381283225432220698913569713839056244433045606913599779479875	104
34	21	-0.0882686050900320520992399823060109940476123896504381814018043144978201400461747362607437098936683747972410282828199139945	104
34	23	-0.0567688219769636931555294033739191131518721164520230249564010619247371912918077889768231770817609498827895714286775380163	104
34	25	-0.0752840833161198492957174413467365759059531930505766305106056926989282788571577150388213516091533853339504324695854254060	104
34	27	-0.0791998959634822396407269997862347897972986403971843847430358303059836170768527245581411773891921806433524289047841713875	104
34	29	-0.0492068514216906194104401918181230702301298417351155809965115347986449807371205048803457977535539067543532057341570083041	104
34	31	-0.0658638813860257380455214551609974645755294042911090529254732284704094061864279426472278347118908794898574252343882484296	104
34	33	-0.0842462763713264313420708921747255250296446451339013082553994927077083700918370321440113782488068731284556597295379415918	104

The sum of these constants is = -0.297326316564121922126926102567774729183727469385859617337347550780957842043808260874092662683400407808897964514898799872

The error from its expected value is = 2.5897807563853925202 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 17 sec, 414 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 15 millisecc

Total elapsed time: 0 min, 17 sec, 429 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 35$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

35	1	-0.0521203958993981521382366361631654945385982057112446802781822514033424825946568938630697616916160390355959446537484303994	104
35	2	0.463418058655320534999379996643482208980976868000920471082211287068644014097004444692261876144783309160036984159682479539	104
35	3	0.277282138508591744958868544784828731787521085839871784810680171343048630347725019750647643286322759950203244288858438928	104
35	4	-0.0590769813484675438759867916690054555414795354203419385760674761572965747090047786413258714478888832356314414505001806134	104
35	6	-0.0392709668858123642655196011656912886683895297970349253932083705776540652940571553254696484754834486592032163885847647972	104
35	8	-0.0407350376995100692905964834235921127027861984057764822879983142930454588161437774289078434135302693538587710850603487125	104
35	9	-0.0531803058279777840898399484017870539917140769951987873905984579343178253106659475231068451749867421082454954873511780798	104
35	11	0.0231704649308273892250552835237058193719639089514558709395040608330098061889880963341406652515812375583406014366346187600	104
35	12	-0.0465376307047547443182334117927957323954466003464974309702665641748322567781213833036198808103698638654267213825060770736	104
35	13	0.0219693017630597206704446946142881302204431565831596504920201667196080329290061320077338860321290890093269210401612750804	104
35	16	-0.0653557155697281990732949676313893272190407932562071444443553920151318179087575909564125751377461875938137700032091321590	104
35	17	-0.00292696553890656821529105783050076317984750603248152651001949529087761622273182861414084241323072548536328004932866025266	104
35	18	-0.0473940708580472952213460431516477584947141916089206012686897668040891692006794025252723019863024892067364625562536487801	104
35	19	-0.00517020162978945827953489352098098688042570891076772706558837400679596746203259337108258896457871553072275512380735999309	104
35	22	-0.0585686340178308052798111543211243762815917529289228053673896312485877360459046063874260762047311911289527461905537544622	104
35	23	-0.0188643078866810042383763259071366985499332942353186122864996149075462003087821437222584186315051622978562022474158617836	104
35	24	-0.0464666570415210357373936326819398640979655253657875834122620241103654994645926099137564476751439077931417635344392239738	104
35	26	-0.0484102108090957905918204188932159446115049461483442543768244492183338616517808354962045956850698154177652772286389535937	104
35	27	-0.0557664150945181069080440459347324936919166381559015239001965918502115155510122443772408807587144143131140312839950536869	104
35	29	-0.0356510749278322673880947360403525308369190789522509845269815566034271741350017457739561859263515690480138473698373251226	104
35	31	-0.0268476257540518662955516033442792953193110533752720229302672378792831087243703942467554018977491587265549363910744048659	104
35	32	-0.0463790798044779492588146413222022518077137689141845889949614874532143090021451101722642679679554556288498601709854802753	104
35	33	-0.0536076197856363370324907581553225280025490001978280402638424252535022877154218947026503677709424905704258509195506518560	104
35	34	-0.0648699967832621217429016724638899316403481092130697680310091337146739029123496895828634943895303585211467873015463822024	104

The sum of these constants is = -0.0813599300095000733874303042484469980912904945959436509507929289322183462454889331430002257086104918425114098930500603762

The error from its expected value is = -6.289467551221667549 E-136

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 37 sec, 558 millisec

Elapsed time for the final computation: 0 min, 0 sec, 18 millisec

Total elapsed time: 0 min, 37 sec, 576 millisec

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 36$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

36	1	-0.0932444407684871810844999153389702747867272179805319232690753468626531948563869797875599584584894314622277857757300557342	104
36	5	0.0998924838125894960062005177265736623133332526527573854384982194289754199935531225059127930321240150385283574453141610599	104
36	7	0.0454901080500522353969819764244808454058163842921076152497684987093643897831840582164217390751531881786724419055842561489	104
36	11	-0.0108835313352666916119724103997812677901061253651050893982738055690754198682024735538783000809635742871501509411290927344	104
36	13	-0.0540963827971896925452819964917442707387781541865702677574193446642836076691417143623837385307786046669313152658263323239	104
36	17	-0.0468586200522983482455007280798885551076380586801413751491282866126225956130555625798123979239481595072128565472195941197	104
36	19	-0.0691137913743827244084450183790019039774506679891704416276835429320128688806213345313319268894659806769620289666984951259	104
36	23	-0.0640657821439424421492163303693905199342351028432054961664417686664973308169341875365755340714659720128032664111239261898	104
36	25	-0.110684940502229392475156599816612202056250254484102599050986130553170081520895146438662504340101548338577563755401200090	104
36	29	-0.0817501559185600803097064194387822169881439335683501411698672931963951065213316697928726935765846182525063724739541296481	104
36	31	-0.0752410321172063740032480136213380893251989541957442745693241159673156894194900617051660417786642511311316275636519450036	104
36	35	-0.111280035338769354148061556940182681296387852724077519671336202522722737046643174053282138355901745200399717733689897091	104

The sum of these constants is = -0.571836120485690549577906494724637474281766685072134127141269119408408822435965123619190701899086682318701886083526250852

The error from its expected value is = 7.337712143091945474 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 10 sec, 353 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 13 millisecc

Total elapsed time: 0 min, 10 sec, 366 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 37$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

37	1	-0.0408965351165256636939855003524976812413446255164101067435294468150735112583169308737101397477287132203967379405225778131	104
37	2	0.461931704650407877190735082449467013226565324967557900246169454953793946021425079534466563432357134147607448266488451897	104
37	3	0.293407614158605369594147966076884973005174907783731507243075467565053568713240380346642612570626113626833344450603676437	104
37	4	-0.0201720668320064912683468257357616417600182170429632720867444634824082533304376050216210058071532363012967920861239364815	104
37	5	0.166812809765772038822456691403931846365693342894133906846506810354751887791585981341704849131231816533318086846964892619	104
37	6	-0.0209013591734583716635025769820653559597419491601598056773581231967279977070383655386224332061577964202642496180295274852	104
37	7	0.0983329318873777323650058917602934596054194907571376857274655795778038253223792407985599394200571482607623976932836677201	104
37	8	-0.0460104307272412868649569716993441336618707524605595646852898655371522554287896334767634743632010961324538266879535885075	104
37	9	-0.0288646450234787182828029877066835736158731305827031393194671040269084774580457280700151896426338148940801798168422856273	104
37	10	-0.0243511049856646325131636933477893225018033627521171801649572468228718540696073657394780441618381488859143864778616495436	104
37	11	0.0461531938244018542572792807643159134754532050041770997473959608059147298102864886671490051180514847017762595367661790952	104
37	12	-0.040193337154119628441278646813392109254783168620080406869120453989857595045389839948072306677992333391826315786142107172	104
37	13	0.0300618214368931487055407413219426317344591197037087042503846588552141694919997095647237104275338678896688578302649737116	104
37	14	-0.0398743713955425886939205851656566240053303986008484713201170999644390749054121679440291587934210883852245232519473702597	104
37	15	-0.0297779785067041823376267634644956494212009927803499461039745327437365111672806003137185711787358562730723959444631558726	104
37	16	-0.0199449256097319268336594779514621562024967641530658988752557750384040862790350028316704140902107669034453197024254554199	104
37	17	0.0177390149494175257633328763621557934597232343804085105886362127006979134612305079236518059512743776676069708518968821536	104
37	18	-0.04619608822208555832262297505614002857195084266924887912199036520010718190824923313739700253969892170341837597290597872	104
37	19	0.0150900794167177934525711380048309247156572515679193080182145040617845414953744439637245470670789376209940711772216599370	104
37	20	-0.0414005037188896626782346230865237432159815566278001216373364433883439519240288479626318060112148695598009737514366963508	104
37	21	-0.0476900043904828298263795855666786763907150479826060763293773891229675901995889410480439968331707435117678629112601458262	104
37	22	-0.0294157733589858419306565537879925281832756677179689355391818192848823379673114410894329296042018827543980160192726227910	104
37	23	0.00366153762257099650026436203239386739295924569292300062490445034253828203809693955116671359120990579004586007383766220119	104
37	24	-0.0282743055072260010019894442525555467891472749857151032587501113294895033376203313123435639515711680795895931165020256867	104
37	25	-0.0431161006403024472178356367703641291688335844749653150343850779634554452760233845734461849725302969043032606684073435361	104
37	26	-0.0360270240367129946419812246960737840987648540653566505683185591058603647749814285048336761937061432328997105614871223499	104
37	27	-0.0404484399497709937940934622969871672714708259862408412515356175868098551198576588658589387935511659974091594876511605457	104
37	28	-0.0435483012116633258726922105795805504466551631880269384262464046304639631745449080539854132825215453255999701493663323937	104
37	29	-0.000440684376176277912590949391854980395719291253525326232456681432586051651569968467454993806021007983932699121007685947123	104
37	30	-0.0346649170237993725402234526094659003066388883773501742805075460478488162388316555330346393128955043671568062095711234931	104
37	31	-0.0119501482944057284833580628408430625673649763272500523873091235027926751677895538393350874705787002156145768600963482750	104
37	32	-0.0448960789732201710679855819255236981602614179222968857612659575974104128865219962031108292880105839837777051012605079542	104
37	33	-0.0373894915910707174228146427445891265537722746607460298303963077050992577184346798518100515234219231896226064258745849607	104
37	34	-0.0325561645168200132519266978181343836130456949768302573676001397088528779846556015046752848131064866949983639182125753898	104
37	35	-0.0339639741188330650275124980707299186893671677748485732291162040578829460633055939923184864590089270958106863812652318145	104
37	36	-0.0357557674366300908271532654318881446238933692598154832359193817173189959500334351309178220636474704286540051198021654879	104

The sum of these constants is = 0.234470185820615756728399811581668832024539621234172179165037186897897483870341182687115604407219623987604420222780055454

The error from its expected value is = 7.213764302837013963 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 1 min, 26 sec, 24 millisc

Elapsed time for the final computation: 0 min, 0 sec, 30 millisc

Total elapsed time: 1 min, 26 sec, 54 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 38$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

38	1	-0.0899682226113909505237490386144749651093791522798892879471725989468206591604312927109250399747818327039285145610782176395	104
38	3	0.284543107042593714095701382848559625807102424325082045787922324657088593179746967116473243888332256669174556078884089859	104
38	5	0.141110380993091583900975746500375041011964838145699410443495031595904773034469685488031393372251174364069411724986966587	104
38	7	0.0670796054151167020537696469898575996157338351505131073069278670725216879027681586355390726227406044563602895773766136546	104
38	9	-0.0682943360765809270304627621554122947698683058681676017303729342093424550167924929945824882767277298941952172202403336008	104
38	11	0.00655167708555981608370690642828094735783494256979186589036182494264090861845408799935653928542842240409299907165823370719	104
38	13	0.00474831033282213807784482425375315503782836810373855439826095964138895094612926262884586127108788788782322890619805345847	104
38	15	-0.0714799682750444388291936959822660297419849252035266954541405373814433752087459633972270923145779607436482399376807397527	104
38	17	-0.0266638047504637851729584672182760898604794202289346874535741042796244724927371194790988509580954673599914011056573654464	104
38	21	-0.0611219440923134289853668598562570086423011539669111560867135758938454449673414772599171377041930851822763527773632919677	104
38	23	-0.026010081829715253456978626353820663352062233947197678086734764597118063788809205757770584687911904975918781461186847339	104
38	25	-0.0804918000953689859289166355148844412974504388352741002193550851487871617016419180761696902816064782670146126671791615449	104
38	27	-0.0793901268062215372138481624173356206274506186790804482662568081010660006127459179652522737817353519863514667995780430822	104
38	29	-0.0387625359393931545456108286446943001403179842876436868981649140340289048936818465787006480266243645207229281318137415718	104
38	31	-0.0533765792767426108193891239413617711674616582305865996519876700853561350514584980089212614837470170772791519709630074894	104
38	33	-0.0726033393963864766446497865584011262546941661595873203700169820201767829408935169941126151874389200551307198749589490845	104
38	35	-0.0770224886323688677766209560333411937064042352411081053752984662391841787460157514944250788604903862462990417600979379564	104
38	37	-0.0499822191869191745814583040689734261616750460530868311477469319951951892555365303843626647394154891798279342091989798628	104

The sum of these constants is = -0.291134366099725637297204740338672562001064930686169214860567365022443910155263369233225789618384927932736973802824496466

The error from its expected value is = 4.634344511426491878 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 20 sec, 234 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 15 millisecc

Total elapsed time: 0 min, 20 sec, 249 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 39$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

39	1	-0.0544150300747313383827161426970038945340062015625731928411199676108693357012980701412973239865552897406615038555208452773	104
39	2	0.459867627129214645463540519024409687950284210932002835055218642828814806111314120734115499520022012574167817507447137686	104
39	4	-0.0459945989750685459192257387089186431466237486107244630929801500002804064788506820373450601663936674294596749103009135667	104
39	5	0.141980978301231314683276705049446641394068714450432972560993898625067594870371612351526900546303163022656420773088439015	104
39	7	0.0795104580446772217182944213478570283508429279937618686378034756485793285744673496312040284496266897307501131740875784106	104
39	8	-0.0482711271695363892787808993829901318045509200086744509430270862118540733994579550553686587624800747444701228428163469228	104
39	10	-0.0625407087664201913542100549743954739736240339868682639688052953979979226184675848133776881004153506176746683738793756194	104
39	11	0.0351003379054991567928449805604752789995373682914541275683787283017423523744477665560005246336890064867565208047999192007	104
39	14	-0.0462707514061093124433385415480332066056247483086325422003219783316959326077805211394522038993138006342806688867298341927	104
39	16	-0.0671621258405927639177835818713861803563157286416698946895076120645200708227160273415224744192468981455411339395558168343	104
39	17	-0.00453826087544348396044487576189568561279519080949415880720738570075010041193957254359903848120176024064425252110257384542	104
39	19	-0.0078618584432586956665912002217299778289639186172405574564625834648636675032751832586006206524962945324611434344213778448	104
39	20	-0.0459231434298270830511730272690723063199472684979197963376086603130697465282755639822567447699626647623480705699686540066	104
39	22	-0.0510428073342697409080043003007927978280591843697622706337582577732069764892663617897284189250477393512997353528160862375	104
39	23	-0.0124631690534506350301370113904825945643337418272801025796916843034014123247781329538821797786596145470379128972575526276	104
39	25	-0.0581243810207459383640563019555017509681844580784457725083181608812044715090372454365987844441752321082248313610649830347	104
39	28	-0.0517462190695606135794914158573956691966596203153507991926893304686083632577426579554065383437981552721164152647218119221	104
39	29	-0.0270586216004553688028443336640559574303720692344791030842831161482920010899768929905437163607875002754904875509311468925	104
39	31	-0.0298803394337857678868833935975175701503860287864996489399675392788851704490592922410595563953835292428066150120936219100	104
39	32	-0.0473004404088889108385362179544297078717302620008600403478892341788310314798586459967261138329980766373676180632340130735	104
39	34	-0.0463158869206440559788110651402015355032482326615899364634922138066363202178163650479587857554554567089498210961417911801	104
39	35	-0.0548045111222561868022129723349733959006833172718681866596736575828043940785502015539104882589762743549969364150122078907	104
39	37	-0.0382400585981196219570938701692763534202837138301258829523454240946545991672121351000681312599287816017893730722177986190	104
39	38	-0.065264559246225167190451252829850201037030596242803790341437604123263831308129958436412051532374470108488696000856506507	104

The sum of these constants is = -0.148759197408767472654829571647714397358689761995211050218192196331485745512888200542267624976009759241778809160449327775

The error from its expected value is = 0.E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 40 sec, 200 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 19 millisecc

Total elapsed time: 0 min, 40 sec, 219 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 40$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

40	1	-0.0814496951056641041091041516318834704769833995557299009750388683855746715063431662288541609554151069449019727224638127475	104
40	3	0.266932444348417892064484220707615714600518510102863193785016737565447230510600111493463631552851532441592636254581636814	104
40	7	0.0685360480204953541019223258385888828098077610465790806637592113475863295997944429678628477065872794376048668653994844758	104
40	9	-0.0995596856478896513701783834396105815070531640268334994818655816490456182404606314356618773430071907438750033969822544183	104
40	11	-0.00184724930557404543425250824914950033357517735321564841619705323068815726831398791977557489407780959048570527800676919856	104
40	13	-0.00531509175359576691234133569210904253085065907819763353998277037881232319827131780398612259506423288883620550857608778195	104
40	17	-0.0296248551212234995637815799922380186070674801167496634214667861019874207232240285357573148133410296015275133550169569741	104
40	19	-0.0260146380685010431567733050973751428170860471715855829393603375881141419936502415851158488859315441513601460115423149975	104
40	21	-0.0766491368646540857432572648284500181230825493774212708053900992912248687675707458903241925613740776928151828484373567379	104
40	23	-0.0471834443057329952249727456363925439035708673302977095224563183107694132137973500099204222292517791998043352899707275824	104
40	27	-0.0767472063053296737346637272296691034836882142944447859819880968153330389026972563285957125720788538288989860569509208837	104
40	29	-0.0522925772438687582331817249200240502593173662175176224292569760599098845546338068517333071286840320829672763777840536500	104
40	31	-0.0488883687113667478527540189645525420512394930502803362867076193532478324424068735148173892252164176463896823797131283712	104
40	33	-0.0757835042473123700806665106176963639081154257191801515269074320713919468628275103002644892123640828222992169352956185741	104
40	37	-0.066067510241966962641434190317412311951734322155309178778069668522202432339267434087970351885285944117051652282610099723	104
40	39	-0.0865483165985907583536182613209460484053954574414800841520241272298072992049026849335804002208574092586996644811730269194	104

The sum of these constants is = -0.438502787152357216244573161391304140948433351738800793807935786075075489102631790285857368565753348985368552750192917519

The error from its expected value is = 4.402627285855167284 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 20 sec, 754 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 15 millisecc

Total elapsed time: 0 min, 20 sec, 769 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 41$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

41	1	-0.0337856381746274366618131898269910662917830527654061623080860521532024337951067787867090768255737903509970440934734208492	104
41	2	0.477292396527814177129683322869971049981147402255186887336337721270098335330645093687872681211495972185974875975067098839	104
41	3	0.298635460392706441645698689689954856779164891347308175170287917733871129201683977558648648652874674829158773101655640538	104
41	4	-0.0342179842471558133601391167652977366555588612803217897024592390122246319014498475497389153330018052333761277971761864831	104
41	5	0.160252502456454541479818211914454810337948867745240771841518188272584373025655201304353143803633085952468513394315259481	104
41	6	-0.0157171443109860309870054155079807327461614385228662474347950369677387896347081984600647689676429191228462854695782011738	104
41	7	0.110437572442899868756434690424305953980208666333751290115487627841041053544494086073750054465452037976368100392972939583	104
41	8	-0.0361295685006746443245463953444428409218060243825318765328606048808673452802204406959540627593274467784368023714864469259	104
41	9	-0.0350462374059761524042208831513976809072217807874826463230541383389091437405115864857570397769659760413279249303875685783	104
41	10	-0.0434261330346939449475341007105285854607862671983083655965665469082093391745379325168194321572323597219536743694171770675	104
41	11	0.0502928956261968138133012819632923524297293133430772794120104553321744534963204569072472768111108964557150896431528159108	104
41	12	-0.0255663218871900939543795410027620550009296693879413128573000090040910670757619076650135841120565932281484685410836897732	104
41	13	0.0321874255809502170081553243917577218367457794215128517234230684301819676062370458056467484899421609670160993178973257146	104
41	14	-0.0351087786133177497250560989702373434524599165094511401165200839317848699455816451008867143819375482610897792436913122834	104
41	15	-0.0326220690514482486968892094374526965665083035196902643676927960714662662417101674016287356906710784139414564547681909242	104
41	16	-0.0370475549358075987718562552397520719335879671127889885210649771871771170699135754347753669662432326315433187323611968903	104
41	17	0.0227746732890629202816491933749602695384123799921573824992213672851913301793597287318880881864787296501794908317735157216	104
41	18	-0.0260447820186945845037303992194491653858434137150515314528000322198346524952006162538068499124850077436229725924053627675	104
41	19	0.0209907774410568298233661780634629826642813709838608041948934756012324894873625454206401579955032015275094601380311953046	104
41	20	-0.0242682660026346094620421544848027892898664917878334429989786285799277925713534240282777852648424188707813305507178201337	104
41	21	-0.0329278061189682363146216034116718391418257836901612481285859807960467381576037209456833151574441533941303608657091103824	104
41	22	-0.0412380994932317157981517464066682484304076586844942380565860445833080968780704988401628717287959176209465775326373531768	104
41	23	0.00295496177455522124477084503558832713274825782386058227592940393843962420691020956820931279280214536360345145201823226226	104
41	24	-0.037668384383636098016276209070940428477676821158351772342427926473660293164830252577286570442799116767674236021215588480	104
41	25	-0.0304584818946299379537388415090408666438410617653970384073137139272576379899059508455554156454761000897489604448841312737	104
41	26	-0.0196162109362554443246234525202357430002487549965567432409123706954614758312351612139406431039122878160937108411075693380	104
41	27	-0.0306881341607834755984775592771605330010676922235820327808021351378518525873915138273701147490786538889617284079237040876	104
41	28	-0.0302749213656307031191139522957045381074882435625317876425665459029249393481800473698909694398982329528125956472244199121	104
41	29	-0.00338596348761979902034931610600474525265040371090778419999632184786031122726296008809659452588002281124915709675373814349	104
41	30	-0.0271979143812850952331382523243513956942281152326642421239962808386524481999335932849009631122748278335353455940864529934	104
41	31	0.00193411874566191659603676659113188016591757991069597188286112722724128055734239057217761062358956668602302991073356797389	104
41	32	-0.0306855567376298938609263788702152881133651996192384393706700394304489920557342467223146199400411273789985218079778335605	104
41	33	-0.0387634447158219634617038635448622491536559870486456493519905044631353781432880783140169584021676883311754059023179663091	104
41	34	-0.0365040746965396117082147437993370603059322674063640393184656865418778815794953424805285721492684908746831955942864219550	104
41	35	-0.0368402979125002000589756836585973133231572377678644790877845742773771306127511177909443243577825853771170724884292817206	104
41	36	-0.0394722850024228734257308050433491035601878357737542340105918716868578577446416642271953619086300318505475049808901777971	104
41	37	-0.0163909364049328146271572810525287634145066942294430659489234716961076730953154258442739589960207216305089312316230361983	104
41	38	-0.0322312620305463504296641311625411040127033087815338700956629229653944033553056453684196490034701208234839798745796542411	104
41	39	-0.0398013362950908786864618725801672052690267356266551304335469920035840598248214191143211424069835130303425236922767673427	104
41	40	-0.0375202271311956771918417040185839321540664507145400665175287687004290733041913842454170668036415007026562805466786601579	104



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The sum of these constants is = 0.237106968945203759365182936169671468807664209236808962289625189534680608458343819470240192409856407112192422859563180042

The error from its expected value is = 8.590492265083253238 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 2 min, 4 sec, 782 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 37 millisecc

Total elapsed time: 2 min, 4 sec, 819 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 42$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

42	1	-0.108448361329959580540493590892838142203809330266263051523349283808648623599067175490177092216327836405845197277540759679	104
42	5	0.103816933245274320762528712677797012507822938353028816328173943197345670947225179014764476650835990157971009177301908450	104
42	11	-0.0174063652116240128169859448210067632915886624155833025076197754604987211112080716206002433366774753895550854520990209768	104
42	13	-0.0396915037660255136713627233956554116480111803877089584851288043733636610834146104854337920869657086789205560412949081438	104
42	17	-0.0495316505530113215988979410810678190789313161190575991169501744452939433933863076719808644177985851383334519887583654868	104
42	19	-0.0575425961745506509846081950401122043977491939564662690046957558508100445545818858883219098817968755423116138318049509668	104
42	23	-0.0749512040077673346739984336674074646521949344194406415356855356405687585776065499771025193485653278858338084839178897075	104
42	25	-0.112273301868541386314106247798142883180354924576407955392594894121091525611633123384121532813888115123322077289005669932	104
42	29	-0.0786267812146117135562454190553963721560859057319319009372024697397542279926398479631827750199012321605761120216590990175	104
42	31	-0.0827607926062097370238031413241567050640050161479450822582517448255169840039168386853575176153357802498566170305588180114	104
42	37	-0.0990310666212991177281328116294234061275163620663634315035566421477830708535946875324134434508894549540446750943758027758	104
42	41	-0.0982465732345073585746579015543701721321999401951376083472651250495677897449983467924063455046334238052165578926700174623	104

The sum of these constants is = -0.71469326334283340672076363758178033142462382792927698428412626226551679578822266476333559041943825175844743226383393710

The error from its expected value is = 0.E-134

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 11 sec, 232 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 12 millisecc

Total elapsed time: 0 min, 11 sec, 244 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 43$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

43	1	-0.0359533723362556276062164953590482401882660410601802314972758437463222034155661201886261560460799254594758032857229515002	104
43	2	0.468021154720227404340265868285454552745385054348943929471792327484482232723299524341887980001664107166265515224756866487	104
43	3	0.305569245174297652710886039449194326072114177203647614518532455106703302100424773187884359681271680442729729189326778424	104
43	4	-0.0222303530153657646034747345753547243404969742728687269514230434724101948814830818810072885792604674475498209208453395191	104
43	5	0.164987404182654116005757560885438980170049595345665544100255947768833059223030281674452929988731269831176308690632512422	104
43	6	-0.0392453930148300932315535823232555660718028182219234096068100303577756868486417526436387927229464821729155140122317212995	104
43	7	0.104085656062743021192366182393053636334924055338170277411740377216782042491644531510321561864827772256782085473508936500	104
43	8	-0.0302500339909533928553550338261367981408457803674971155420745848818838149548629928877046210124780682265703454582730478457	104
43	9	-0.0356083723452804998428713336096898100490005206653463344419229440893598708115774569465939350948663573541200739320407020386	104
43	10	-0.0121068437963032918255024136959662126981779522246825336727449436569604071087937945448048711071175834669896733953455881836	104
43	11	0.0608793716766109624364648125399392460150824212248709298576487751909374132273693340073739651161324139971838653585621245314	104
43	12	-0.0349599972308173249235433965836474644488043613214293037891144988969046800886327963446812304562923801061398468687690525329	104
43	13	0.0387247155320639755490019140066996500883086933794052702811913423115201735435367134542169115835207728663351236311674339333	104
43	14	-0.0361840894789848030630849006384736225943899284253497966491122576964399001806499475059705477690579305302050049332757694599	104
43	15	-0.0331191132096920277325253729120136943241046048744822414293667768409015974993280128490549938067214174990593987588265293726	104
43	16	-0.0233974499911970195125773452269939801120905531542326461403679636840891873515107963335455303868602115292114403790176978629	104
43	17	0.0252676172329819453428818804503292438532054037900266251437314877342357095162867135521857070906055287540987402566024525937	104
43	18	-0.0212755627835174443413461659031337716669783938176615140427593902186130791934321237393279299955090918089658044171298073371	104
43	19	0.0191355879997891374592882401165488562996103892245406786469113568441500661283125624854937399086177224868483730803386799282	104
43	20	-0.0364251919568607349378789816501919345408085665442300964183399240359063676000561331524523833281551057847542711287725969543	104
43	21	-0.0282990872434047790337433005848480171494716535807475255441525392011606028579870913784270195060921811373603456747397394056	104
43	22	-0.035730968853473818322537366346203893067916970599826349385326459252323097223720645639520039066140348859169227733583210524	104
43	23	0.0144157947765148094006460601800310753452266456574075455484207683422362230638406242414191584176842440928471473019969070886	104
43	24	-0.0270457351816010531189115686518146162104691028881773807412322017742424232204754419624536091206760220891892227969656774256	104
43	25	-0.0345195948490179812398883224786668325164581327420596965537302261176747455610025961322274039244316103800371611984148168944	104
43	26	-0.0383326729040943246981905333651292621015691101651278269476943558918128463246368094946836182220305129356233877051546712270	104
43	27	-0.0291089489187142240104317347092714636818735966472944895991272651280970251363661376866148849538466693407315875390377388596	104
43	28	-0.0204019138374129868461341593597128247011478648914340244092599736668438296470176224025992324509181576720379453083110963017	104
43	29	-0.00641692417652474596495342819171127027190739374066083401589601534394582302761701357799970255519229877079343903133939413310	104
43	30	-0.0255882038491083941917453377782717097660970553648877309794251595879637236932929122968933876459483096719869820845200159373	104
43	31	-0.00706998743915358592724075015330236411737443251030152810816461608722683772134185159071037630050911922908967820309853756408	104
43	32	-0.0407372977732455396631047523894784772880670830374339209488910193030587274342978288297590245569236760024557309568041285130	104
43	33	-0.0416807335522613855884777540839586271815429445790618158941209506780940908454322094597239808493241788746851931679450548996	104
43	34	-0.0338612293724717668506269509129389966561921685302298064707038784956726437842276818103831729550467689971979099964765340121	104
43	35	-0.0387912596643593849300490685203827510427268331175177246564978492326028946501072800156100253470659325570633140282527913227	104
43	36	-0.0235804244211501425234129230593112411562301616226253670284519969673481476468396620796437822056052764534498954346374118916	104
43	37	-0.0144269979603108090531390877988690707910401874732019021761216572115356693290313915803498109567527754070918406941472907907	104
43	38	-0.0381269990645036671264589269417252038281508219140335642678505386001748645723425741172270270206141441778515072848262571272	104
43	39	-0.0361387486479112592134623102272236129687486273232598281460726485776938529026320806087365778095715994637870774661772039629	104
43	40	-0.0318045888541945592411841242108748971650300841470625479826101019803465338155443611201459821856080392353664664867784775703	104
43	41	-0.0124042302881890154466957775473078945293941261383806125694835411237515368931265720748870841277314840502342502473719646089	104
43	42	-0.0380228284625671653088370418970383508772579645440847356704075212990754063536390290336809511269145365338216086442916355098	104

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The sum of these constants is = 0.238241398894154411662403582794742370679473625005385252703692120901668696943879837621119375620293162642538423993993128993

The error from its expected value is = 9.662743025641428197 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 2 min, 8 sec, 733 millisc

Elapsed time for the final computation: 0 min, 0 sec, 41 millisc

Total elapsed time: 2 min, 8 sec, 774 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 44$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

44	1	-0.0764419574033581452915239514712511193786244997263357343004558668885847366729927797819445726924003697301033335126607030925	104
44	3	0.281220196165689364093786381749909789210658785799563568505890681137519688635274933203855023681579559126863346802246922588	104
44	5	0.130240015420771140588405658651868787191457547397344864464962833782860205516013100476125877863828617100376552173049207240	104
44	7	0.0688539705438384697787410637172070347972313941966025518147165080245706050751100153245908398687694307054840653626808764305	104
44	9	-0.0554987583358802006020360097163039117472427542671696353748874819246596636568985168362756873193723980001874257472606022138	104
44	13	0.00668927117435796777501002483076544495324693760989083481609228911497273827391626815252302257792863903280142865337500291092	104
44	15	-0.0562259398823409898632716254215639085097584055528196064969966264029831687288748440039717832473152402489765351840270035554	104
44	17	0.00145578926204282153661030440529682995856980242485860825772781735923857256825133433787866536637240186976423406702641677973	104
44	19	-0.0135979494500232147791422792193719588244242679494402541113390117717967804868463935758483011192180349037381981793837420553	104
44	21	-0.0704249533159593749844297128721453929477619900788168001676740035027655359475733598776033905163311074726257901543490175025	104
44	23	-0.0206955354872733293870645656028782459503125539588563714376019724228583166269696064372646683707982988213395056213545062071	104
44	25	-0.0754435367930631237866691840257530069607460805554327939875969632610066981378430246583961079048382462993810027052345158497	104
44	27	-0.0722329697314489263609602920265874986738922946422256660145264494489562036715120965044455606344296378805928794912800782966	104
44	29	-0.0341713177990055649608499463672995449674994936425893525949356650502681568148216793326884529294725494995123407822907595803	104
44	31	-0.0460632416529823406610372359232926395142672722408503818548211830892486720550740510742597810016707250377832469505743017198	104
44	35	-0.0652270697114912006557111105987738886825003729251199909466622767380891064904051181251244319416247021461121802091815773058	104
44	37	-0.0557444366580824360099065082823315745544195311115635539612565880044729435810030630117899082427074516524296147535134590507	104
44	39	-0.0675734313533849246424603567343496825253945416879675180731733041373873861820924939600864599859806658365840648832872623118	104
44	41	-0.0574021717779982829185558165922703689111843042971253581099545540854629477343062299232079460007858825376302436109587204978	104
44	43	-0.0511278512758558342044170908012701940024785474398391133263530596747878914748932755870146551081957776627527271141241851386	104

The sum of these constants is = -0.329411878061448125335482252300395050039342442647891702898844876984166398193540881194948277656662439894459461841102008428

The error from its expected value is = 6.003582662529773570 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 39 sec, 234 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 15 millisecc

Total elapsed time: 0 min, 39 sec, 249 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 45$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

45	1	-0.0671989954367448038289600338255698733434789645504630111002036265600599926503386214956595867099987453481554986889414046586	104
45	2	0.460289850526522482540055489665909228714675081562734333599448374424287807510482195044407872114870440594224540251502438048	104
45	4	-0.0615452395270840073595878325407632606369381016652106298118808787184175686736200218250275382715346863125172997583231611905	104
45	7	0.0853264130016975162538425068308532967160876994446306457687050273438037852619994904059995145156511296873563226880334047188	104
45	8	-0.0509647003015102617165166810741878974805356764699440239445508461598553476126728168441329970979363134757771093196637702349	104
45	11	0.0362348122776056268436621543989284823147854973406537632096429176739939496005838038334536693858805797073068635470437662122	104
45	13	0.0231283341866608598061042119426979631367324891521526679220738181807606149485835403702866078914036218849418604633170875639	104
45	14	-0.0454735075459238896969359018142821342501306175681788237612128582432976295032515153897809539768963329843878944535378361642	104
45	16	-0.0451142228887902811967209172898702748935110995179061025626017870781260444172323020653374314596388316002476461981529751499	104
45	17	0.000726927843213649916848469393476004475643155839895933617676651898444996658170334930331445738339188183059349869345241911265	104
45	19	-0.00773101107306439342916508202761358026171010834671135706624365921093655769636565638097157890861061544504938286276359919610	104
45	22	-0.0525857489359404718984046086352690814085481200879562454180479053452514331596897527429696529871212482629002160205479468859	104
45	23	-0.0153690871309337594691656926713126050554932303212163017082576717755881907053416808991065378379966587634669059879458155855	104
45	26	-0.0553371500333776613417750566809345866994828860169057132063452224571678079986249552521289645686148056682010821485008257186	104
45	28	-0.0540138299361186300425026976694695465357569522836260090982997077383991610589588955367197673631732421084303549257417483138	104
45	29	-0.0364791974430310203372322138212932815803571407507442080393511119743303171153275031316906013313667544567655862588599978723	104
45	31	-0.0383347606380324470966417808797479811552233757813003350188884947486909102039055418698391969421905431075872875139242568150	104
45	32	-0.0642465703865758804579819087603808211073082114903272274535355921279513662996707120375154418829278993687122162981807424548	104
45	34	-0.0606225290703534710387116279155788095600655617693066790365734419631276972985113686114567407384338132914881942519069183934	104
45	37	-0.0334143956969420781923171201953191786232318607889019876320118962852703523313451409055409523661728092375545782649817986917	104
45	38	-0.0526791526149238609681642600821079142273534970860991193378812788894219663852726390929219338269324583844223409547694287704	104
45	41	-0.0390841332679194165189323093968412972079697908107257578049374270906847243151171567042598073415210658577078922261453709253	104
45	43	-0.0447844934947309210965845850175355689129449083494128479707474301463557352839669079514461075825268449555256040877904551169	104
45	44	-0.0525637328993934292521190166584247566996505047572650912872450724167671737065712994671640203516379737466937326820901371687	104

The sum of these constants is = -0.271836120485690549577906494724637474281766685072134127141269119408408822435965123619190701899086682318701886083526250852

The error from its expected value is = 6.603940928782750927 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 38 sec, 570 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 22 millisecc

Total elapsed time: 0 min, 38 sec, 592 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 46$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

46	1	-0.0480827290676350736638918525048655180732513690862249936037944186781622086046392023564811894192401209246133161117094607122	104
46	3	0.259492707235014365013870288091724195420266767882391493406595589094035793544406598684876602074063884999066432527930498246	104
46	5	0.135027824012482603504144124567519563745772624506010326278408173791626788952478804385669684608542697208641079618519565940	104
46	7	0.0892515193149428840448971502193793192786806612901580798949876135343248037735105499554025972548838586465318151578292811350	104
46	9	-0.0612264185459785966783068859685677651598209309851850066419941591144507000125770585162347009181544679573784864325382510742	104
46	11	0.0303505530622774014924775241406855381663244308731838279723974793448751549498086782227657289262410604724570048640653299241	104
46	13	0.0194249159605419932609785219801628982998598748102574810012726702703843696222027669056568519687405384090324243880115191268	104
46	15	-0.0454469588445501458904817426717731764056948790352198049863937408517744808653880005373737518905963396700556261936268814365	104
46	17	-0.00745696008532532579474226250398429754604130561149598169554627392373464403948981189748754614915021412103891814806235493454	104
46	19	-0.0181632555798603106425606331482914978746483973183881674583131680696873563047197144114373665196664844874060777664595150776	104
46	21	-0.0525703159533774610580850929838796322233514636544558280338733827826180873859995158616073640833702511497158602003336385280	104
46	25	-0.0589724870863219884947556956083243654642268570583557256754910756323868529589368853960822569096654575371320930364199743674	104
46	27	-0.0585290810175975633222663716306379681185211171149570568674178217822237921623693758951448470353024612372096267547711015545	104
46	29	-0.0385021132023151878394033414768359716435888467594094758528597402377687277165479468908467662431625004251712656138749484426	104
46	31	-0.0457303504081775027911606591585442978704896731360521586197228332131430039108464596157097609851235064390418680793318056693	104
46	33	-0.0615939280097299554620273295421970847977899014219104862394402423922247468662738211379850678611440801021753099526754864780	104
46	35	-0.0642621909329921656644753674231551590809152519532634442265207464029539028658098919122625561381291058869189471453279198540	104
46	37	-0.0385006081471328316021591356340317618118703216549051609707339816903583881004193561882414767720684252409205311058391496488	104
46	39	-0.0656044352195855126055467622606400539247101931283463529535240817796100970587945799337601137176186491706207616392299806069	104
46	41	-0.0444689575969027420049156599494579089809471605034079547058946742131713793072011770765926068228416106492306846157998689267	104
46	43	-0.036750850089227715581357262292509551496075385248244922066465054467772530860100124346849240138374992047546267326864841844	104
46	45	-0.0696669278204716018561090634591666019091337878657620904592640907913202569598859435956878422669803014742350489082970730039	104

The sum of these constants is = -0.281981048021922433635877509217391097470172482173583402503587959988118967363501355503248672913579435941890291880627700128

The error from its expected value is = -1.9141857764587683844 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 37 sec, 51 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 10 millisecc

Total elapsed time: 0 min, 37 sec, 61 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 47$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

THE CONSTANTS FOR  $q = 47$  ARE LISTED IN THE NEXT PAGE

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 2 min, 43 sec, 794 millisec

Elapsed time for the final computation: 0 min, 0 sec, 45 millisec

Total elapsed time: 2 min, 43 sec, 839 millisec

\*\*\*\*\* END PROGRAM \*\*\*\*\*

The sum of these constants is = 0.240220617102961932691597051374653305860077286559071546617596128818541532173963954394993695264033885057184638739168784609

The error from its expected value is = 1.3172754512199636157 E-134



47	1	-0.0349255469870738957139230357601332748110956389787713080214955558105942411775767487708431805810347231746391695398216456309	104
47	2	0.461840003309991951910368922186572468233491673359764294614442335813776745719108765921242782335796789894100695110161494737	104
47	3	0.310748644609182286214774547731455675797722473321723515809766323298637318974162100342683694393687884674314985170808524273	104
47	4	-0.0348444730856003784152763480115117540573471604105306718132752870698409256580155394069852331319311801099563543404429231483	104
47	5	0.166917674110251243475303810076905360187337629969064462967874230120639683453333908788106206575478798871845473445790025999	104
47	6	-0.0149461794738645466841860531800428071660425491397152971471425660095005164439027127783449798621584162592955998921072148565	104
47	7	0.117064664390914560910070182892270033633111058899887949140084758968571003217116202363328347757379798121399770954721566055	104
47	8	-0.0278555472085499462544215761313949147871627637889722477240085275761525822294351423198753466121850138704875648891433690900	104
47	9	-0.0252820750543983696623527268116723308726810191188936777131308412666542814853569486360414343031459545879094153427074092703	104
47	10	-0.0306229018326726343766941669519626067098930349104258050527842637885447387755486486286600058825051016779759608441637000210	104
47	11	0.0579212395183440856928601998001579438457694330413741764285870618969010263084803185837219224173074454588594020291882702110	104
47	12	-0.0229474908686210638578070136566821094226401742825302242144497216973091525906199813053198632697547594948502739582184068074	104
47	13	0.0499495619865152470844144350592381568873852452871434673871663153160737918975649120202572615184236422938625789794955616990	104
47	14	-0.0222924557846060856370002855458020977134155169838422600500732227800174040812365940714632478112079322564400154884898657590	104
47	15	-0.0302811857735460630603702043263001121809979274123332929255964545763814542886035143630874433275500045399061369863648581505	104
47	16	-0.0298956086263589571008628425985663629945418332000950909815207811002512286480819168100481133186058465311210826002664111848	104
47	17	0.0212496974559292876343936642148230419124400229413430261060336135082807307743489139881770836467510343623773757086455473206	104
47	18	-0.0379615424555931595293219385142549656890394664839356251067039636776550826083192779916508105901884694720506653190420975030	104
47	19	0.0202586181181924187386046306553811491987815458821349393583992050485670123640488217367073300110772045458281770142812193121	104
47	20	-0.0206130044500999053264456630068250490029762276561050793827955062494958696660263697405175621678412150908533355038474672099	104
47	21	-0.0369613710395166051854027649365696188342452780932679235378956550641666288357467753929210783946520115944647175485486162289	104
47	22	-0.0279901878765323389097379330870914134601889100402204157124284357801946717686596020564004854486476449334343905340283661893	104
47	23	0.00872448005808695581431825843169590369971567568595710312703700256179394782520376413593121341370837013020156694779041731726	104
47	24	-0.0230160712129899593426637310765372874358584916783725922721610361300921344870724141139631229039504576725038761331306748459	104
47	25	-0.0355183389568826767428483980845922955500811188354606183143373874585041864075287197412230471836554246401510026679064330566	104
47	26	-0.0185028755788315842826019681794498356280866278770838203756256285240691707640292490332034996578208425252530503309494439399	104
47	27	-0.0403496215591503677549820176687190156722989958766639508734325849733779266723907769944505160241843991433171366726812363513	104
47	28	-0.0347526468377501151623940314137242735005809523968307452931745334001725356891668127742432808015277981190275010732482479504	104
47	29	0.000159314859312884913877467719752612209659536210699579306907328206248594997688436683665857873425416343497379730350541133893	104
47	30	-0.0355285039262149737261674545688370258491200957834537365847600994808736693459104431592468992782990643625733609841011125441	104
47	31	-0.00527922728690819323040785203650266665574440549446247097101423908978981593081641709174187110274943568334660749101387491641	104
47	32	-0.0206749934011537530983677178847953033403466409263768264111460316441423429134707935041455288638561188316466743545614228426	104
47	33	-0.0292932115000980785158537033542162940884976919083669868930123983943531091424519711634821138169632986270015476060242476263	104
47	34	-0.0347349501071108937091180390132176740206435403132605287550107322110112565848477140885797768980236924369049582734617476355	104
47	35	-0.0317445836744101320411987529377619738870865115287334248975927652798839733119735056546784205081233881407472723241772142856	104
47	36	-0.0237369989665539578971093005048137656842352028336774087629818733636188780072973494515655716127405109742734050214722645453	104
47	37	-0.00388532429928706713461528514503098247812121051120806653226506796873848472619613490972706900508587207609069909981021186559	104
47	38	-0.0289001553458269499702435386842568974257372780405914384651373307486883889382849022637906803611407230745598802731002348784	104
47	39	-0.0363225919251680596655489115843000071647272878965242246673939057066031832707287998618263666811977859515448605111236916858	104
47	40	-0.0330492510293304103211034809902388649015107122264219650588193034444519361857156161545850930159236500808707468033192774785	104
47	41	-0.0118963258936323080460361354377201816195778372065797535066297680085481119709662374020780836346007204158207252978372366098	104
47	42	-0.0261584301313359267460681785555442286128698180979950085881931763896480054666998233086159314967409695481401617450167479987	104
47	43	-0.00513958593004719202683673682827728722378100620575677384133115116969666154302344421061083575025942148301302835069488575734	104
47	44	-0.0370658862630970480222606239128144322478381874953861644921336053094831533827099943275183501578205644687976053194126668076	104
47	45	-0.0269522243210401005183731562252763297860224919810593644500470748482303951389246060692339321010511730079860222994881685324	104
47	46	-0.0346919126499052920287875007881629992703034024261161782392015699302122252197566926181592291218789147821479609323409902450	104

These are the constants for  $q = 48$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

48	1	-0.0925693665530061630224266431846003741969896604756507660281050197334097535716774626887532397977416243147583764320507304360	104
48	5	0.130243976233012753813026670569352947353064355437388742617237261667634883200253481683907488491050662616456055861745567347	104
48	7	0.0532018632627548055303378077264016194058221230535552307280960397633594746626955562569347196173085182747958719357245450722	104
48	11	0.0125749887113440934703837450085980335286043399555996597960596214340563945152673987367229902643814197453650340733997941733	104
48	13	-0.000139970314636698428304348933115611102175380505060244806380113373643152264346551922968943309181653173007959395894511863937	104
48	17	-0.0361904612233426314251333549667210609145758519263595999729563308470709033249031739021265045753867733219797539474203034664	104
48	19	-0.0304788811954770471638313409213148252531086452456632300805699009913736085742598721405167617335737857441223208814218763954	104
48	23	-0.0385794348790424327558516083050583913434960028082678885282514098837618791256781195646904720307169008327534733657271017700	104
48	25	-0.0973022917969233730892672153465451123592348423178034482222855474000409090480184237722229729988525954325408983754013482818	104
48	29	-0.0624141866191215973499965332111671091925181284080838723428465209731281706279281415111181574319262349723424958352985715360	104
48	31	-0.0493043612997482096164542004039339120635914171054339025267900564677558802461002792357493804583547849978234008797563301729	104
48	35	-0.0808227539711208381363277353121825436567046581643873875333765613505100725691394913688182596450206513014568828179170968924	104
48	37	-0.0680141354033400315649403041830656499233557433526903310207101415730130691623814022046610452235937115474294305936109920895	104
48	41	-0.0603556205488174575869034121835618870284191146986794011819317702274780913882562761374351249521464170433246776548862605298	104
48	43	-0.0722833362090664117647633219770120299859552985952651990679752424941941543592627429007448070183569911622713647993125224844	104
48	47	-0.0794021486791593104874546991007115675491327599153324889704834269580799305522296229469502310969751591115078129756985115264	104

The sum of these constants is = -0.571836120485690549577906494724637474281766685072134127141269119408408822435965123619190701899086682318701886083526250852

The error from its expected value is = 5.503284107318959105 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 22 sec, 430 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 15 millisecc

Total elapsed time: 0 min, 22 sec, 445 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 49$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

49	1	-0.0383952684863920821322161070639941810493830716229330687519584792433593255427743892122561533367628455527624859422633307946	104
49	2	0.466334286828911709507849729438754197307140442399329551473129876060306361859455300431337299872272993252726283811283208397	104
49	3	0.304021056431873064196943237548805988166215778572135413521217704512345739277980337209424857718527481970663195927113856776	104
49	4	-0.0138070851162004482850782468960670654968292276080391605950922147008588370782200538858178858583909396549829532637620707362	104
49	5	0.171023099103800028774957005677994193504761019772144551665527491236103593515036558446964536044064288640355609618646428622	104
49	6	-0.0357500842987016711227115835534720501728816612239732221574521663925766709526124556259074299264715560434028049471055860163	104
49	8	-0.0413510555550115789400672524173224163485146753065571192824292644758579079873942723104714554342782983460233776768253461461	104
49	9	-0.0314440963912895977385271035105656345633870461516358896528954209546609249141499023154158796870683932985103550565779869306	104
49	10	-0.0179742508654979823927358224281064470776004807815304355815890932097390060044860862763945664849012500173077948952800492396	104
49	11	0.0577984921881582920030089629016312692692570300031558082489049046195899934537019798309506523586738561588814891674814158829	104
49	12	-0.0259216348255906147949948042436744378134105527961459353183704599838689239758892882546070746648424230711925003967489707177	104
49	13	0.0387524773198199390322537910752743858506457633982070364068270214882840263743692925599797847042526738331110860828001948206	104
49	15	-0.0308488781234432845018936660004079864281473384050784587102812430426830431754850524401837040982544420275514053564061453110	104
49	16	-0.0339681108830202597858976506536530021570536595115291237560890437677588316873954093780583760323366057016070454101966726974	104
49	17	0.0195986211959291459426090560288738660025511058980330880059879918031568141798480573173844586028870741635823694357478672252	104
49	18	-0.0265481914013369628386445121694166859817049961318087957034259466255316656340949668130208120066312471881133804078647854554	104
49	19	0.0133682468991354737685431024302483931821681710440417868249463191928123619209146426688883400404916142635835643218066757608	104
49	20	-0.0375278174796028816479828232475546116338177134272541779661245987252571660322213644220492888256645940440174950270288421113	104
49	22	-0.0271149388284457273652853503171653927728471201318686846989084140220163759701582304727281527853053887040096578323457478253	104
49	23	0.00230466052978230098400537223575601311150427544610256409669677957438692490592254963254201234284453969966240236128327790799	104
49	24	-0.0212037385556608160434975911033523857004832176690784539758586108569921748516705609573217645865285974111337527611974072658	104
49	25	-0.0426464147446078110078918995214961000334507782381285495825350699459539325832380496989902758444039952813918010215299272219	104
49	26	-0.0325587682338833973069868860995917417785467097383743374006076706026698737223632170657217769408930154822899542739771099139	104
49	27	-0.0374378875833709478805721139813269166085287877925295697070585292092233564772814019069123461389898007744367047273941134714	104
49	29	0.00233308560558156280643668533115425529561442181769021022072111750936807081583430654147214501778808954199096455806589722387	104
49	30	-0.0282847193283593911192816923893314828487478148409356646268883362646006696816424532409907895310456444439767573411707123374	104
49	31	-0.00521348098329954712333498463423418691742974598650643189539317677049369854224392356171973544384695636289363616441909235374	104
49	32	-0.0349108844507019223428814007324834932895739995995886149772486590818925226560451290401721314088974136826953023911501359081	104
49	33	-0.0296755086999320632857781705675879732453638479682230105462677809214618084204771580905778865382697909560230482795216897812	104
49	34	-0.0259500822967160058800246221023463972532897243901238063127142563500631292814587075816460520706598571750468421767738923264	104
49	36	-0.0374853545473675229116141769246628185724360760295787401469200735336970254345106876142671823416036097336101870883734996030	104
49	37	-0.00907360489043747236343053725846636683525383623283732377648298382849126284556076963346219822208432822925220678461176643198	104
49	38	-0.0380063775434451771364991725197497923637457232162275120200580142930908400177864034974070229557085558853962948000950291907	104
49	39	-0.0345717040577861492932065792031968545235578301880704067435323741527687668615120099520428281617983571327388127971224111093	104
49	40	-0.0294694717414985871433572985748331438234488295098035552272295466730836348323688193437199988127346808186385007861407340750	104
49	41	-0.00991662798955816016947051594244991483752567109150649937090533622416492560560757100534097352280001528535557586063874436775	104
49	43	-0.0142127326094926610520991425558359744841813763198690910907753967401572442972186979449253642578125737444551599610516844148	104
49	44	-0.0398506864946537418868493631593245947939136575942981867967130486075334270678305530054680315420373441189208051583030385650	104
49	45	-0.0401809395057864127328524719641282329191107157504950160961753871226644281056112332579712755502302285123708224278539979423	104
49	46	-0.0349938794976903973663985169981207164160837852295115385472853096941745153634329654456284952291174937318364020271567745352	104
49	47	-0.0204916254313071702344624309848704819160855064070769526745201649012960880922094252347835723587768779601357748585676442374	104
49	48	-0.0301080546724031445775127571981500791248133260556663277249660640099302288536007492959638318112659829949887772778239439592	104

The sum of these constants is = 0.118640069990499926612569695751553001908709505404056349049207071067781653754511066856999774291389508157488590106949939624

The error from its expected value is = 1.4151301990248751986 E-134

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 2 min, 7 sec, 597 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 44 millisecc

Total elapsed time: 2 min, 7 sec, 641 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 50$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

50	1	-0.0678763293383878233853311155868773081704468902802934819797210202420732033566758415474641000313704937981414866689663203545	104
50	3	0.274098844581671530011991699872928072374693991631180244588607887917370705097402577655399092906682408135385036413409056130	104
50	7	0.0765880856800674517324146049757269074166130781318729595491910702863747451135099848073179001103557450075365808508714572672	104
50	9	-0.0573045085284662049188276680417189461633885999030638882079651053390781298408035244375275838894552581001423377464293939024	104
50	11	0.0247106130186961747049972421265328522334732435710714690685756299497934924723967471313234546326805841510291273385483280036	104
50	13	0.00901281368475177178993081308223920430022456604860393351830824260503084503321878299887562619228313098528942278772221110722	104
50	17	-0.00653073211614717071826061728589612456136132936248773792182791926336320441757005386860884796125492499060398549710680418953	104
50	19	-0.0316550391620936361081696771112703938160288197765922925263863293443057181364667977380279451628562015165628715799502129461	104
50	21	-0.0699267127782005770314559358539402730978344635529381631654874507643124738944069690161945345461202493233288315125202178552	104
50	23	-0.0199943948008773743127664456201867298850054025646543607147492714248222282709338551612211467607257023692912245929969558738	104
50	27	-0.0744193250319779376062278131650003184213279544953986816892460564594196008459875637118995319192266620102040240445340489825	104
50	29	-0.0327063751586661128000110887064834108611789347102963371273001913980937979166966445375240067146709130718995576752067611576	104
50	31	-0.0391756630681957562873504443200647785472442089655818645146872650685540080244303112727106994560527629405958269157575128877	104
50	33	-0.0664289352730404372759582197882182972510093102418692482002163153743691266811681186827786320145884537811358629819881606738	104
50	37	-0.0514707633890301915963651987923628224786904175824980031220196125366844669187672546133811620509793133471881105451436484872	104
50	39	-0.0662450198549028468922087977628721209483506809856086595594791954606830538046826721181654028153807627627444694414462177725	104
50	41	-0.056566357821171001140227690039686023402828300108905115892013534135589337181518398848725438235220489963555254699253439614	104
50	43	-0.0580379241507287303666942187853444852809222868980728699962803269187366479428154534309823428074799454395944931054069478141	104
50	47	-0.0480707887909369336495181474331981931879156322114130843338628221188440352912386979187155730462560430640672585389163589625	104
50	49	-0.0765042748547214103945344431556109511999049994818556115813762009847162442949977259748464949961170407855528538244490642066	104

The sum of these constants is = -0.438502787152357216244573161391304140948433351738800793807935786075075489102631790285857368565753348985368552750192917519

The error from its expected value is = 7.704597750246542748 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 27 sec, 434 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 16 millisecc

Total elapsed time: 0 min, 27 sec, 450 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 51$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

51	1	-0.0413802927484254231142681132795866089611829061117206904855978199992940593237353671575393599880594304910614406166615719549	104
51	2	0.469351083641418421726738581735466109064077657268643781500395154741916184635234769101142527127737447219518934679420317836	104
51	4	-0.0510949530868769859215370284030345160490270294713046318479250128302539646210260836500901623073398993734105914164083799655	104
51	5	0.155235979252307926075832012603062762502880061700952263918340881584528961378759393860832296922726590667125627319636126992	104
51	7	0.101254713512669190274593762335771107924556752316997531153292760640141206070685305982232407914954566835548646847336841258	104
51	8	-0.0335333032151440449893052412817861929514250035857449111548163338805089735319173031746260792963997446093286564996593824585	104
51	10	-0.0320484371390822167192180659035560329450355204960546356991209932651317722453753669516130728862148879387540425317855598223	104
51	11	0.0483892404908861190325668920298674101302651449190665479059252374543928600127094278517980937796988656019118513111762682803	104
51	13	0.0231651572781525552280922192332424916383395204911368027284396294288522385625993192296046516750091739853931171958316780575	104
51	14	-0.0464073321936055678519603725343016603469748521375977937212427556393027876006710931628382130209088205692121406702222894574	104
51	16	-0.0367002287393586475890705405064675097563136869343885329379909347706822322795063565529336353243462368877791724800994856675	104
51	19	0.000105384018179213301209125341426947412169277370529689120049807129761272142695339541886088966638109475920373960601734176094	104
51	20	-0.0351345001340933529507801784461503788699600662419048022829554963687876224200077396229256068512857604877526572174421653931	104
51	22	-0.0385903558622062242021270093437546262715659349909828837914251454513516801292702937203883068991954941814458714683947126137	104
51	23	-0.00920737572930284948633788353897458664624065676608230438431216065601705163356672488078740961403504151758831486722430944896	104
51	25	-0.0417507801009758043064122000649503829545281894648317193557893588184193053252404118641952723127536407246217759699260429475	104
51	26	-0.0470159086472548942164080380698328290724408540668672658024598635147734335934560254377962520285094777564318158234371848205	104
51	28	-0.0341608450880932059484646016121770842318395835573064963014833213210856369862955178756623559202595424215084676140802105878	104
51	29	-0.0100539961152704307691594930743961698368600538832331554682845527974848915238980563872371831878055047743158692828554650078	104
51	31	-0.0194565491924201701935610826266958042285545521535112592042304728311066185857568494843896216909820589206452845641659589722	104
51	32	-0.0404465197429237233468168380458512256861071624939774553803441599121450788492075473683753418085224568372776616053136145791	104
51	35	-0.0441558958124875345152962093627952824825306066456219521194457543173604064027310129759620356960302346366546838604427722810	104
51	37	-0.0189168710415554574393938162531028759636265249042159924182198135188253207927835970763786418250129226966500178435813048635	104
51	38	-0.0371736520031550661777029539029764779985853601791335495538793016675661754251486526106535475863284754238304368664115340290	104
51	40	-0.0475614462476608436691915198349445265056314596859407205720889012687201396582410640960357674677259083652012565614532285674	104
51	41	-0.0273322995835306054722435543185481379200395809448361033802767939324528544778717219223179565902984097913827271987571457949	104
51	43	-0.0319313792859224109431353822129516535850562070955682907359766391701429936666963145305784738037543369596769044591366652535	104
51	44	-0.0471514588244000229215089338826787568522631199011297490439148370408518448314773576065281045029772927045983863729986115652	104
51	46	-0.0391528553064201886412806987437269003932697878518824255282269820011600892132224484931086145657484019800373364513015432964	104
51	47	-0.0215871841394887167252273069197687347989365270182018353612816079607808707382100956713910098169881611845799942225381489024	104
51	49	-0.0486707404794465092358846153486779206080230320049676351484267842226519565121814719094922944875557174532278554484993556313	104
51	50	-0.0475460476319677837530003516682580152733309581995127753174085579370261378123306755910777429244606362406764872494384559243	104

The sum of these constants is = -0.13065964989745255460259435901108062517060802719192950670680884114291175377141594207425996016733741142231297848232133205

The error from its expected value is = 0.E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 1 min, 30 sec, 694 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 25 millisecc

Total elapsed time: 1 min, 30 sec, 719 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 52$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

52	1	-0.0476690813026718910968621694147059260389226040845820886039491226626378331917082825187250689542299901153887523470616208187	104
52	3	0.279176198697293163321108598030800604751099537346185489978040819393931319229620605512959619207901263240835642590723295979	104
52	5	0.138150079647418546616850086392963874755521109666204665526097679868231807362686955881196174482624596788103465141644384152	104
52	7	0.0916648728606178255922416207941379425006971310712721003420718402684691301663495821950919130791227003699004377758543013871	104
52	9	-0.0479057120354375261618464911900807748915163380260528011739714235499915068692529893588678856731174037810772408559493056210	104
52	11	0.0253573767269957953250725979359804795264847879512896330747456323592595436984238095769780183930251999828854313207774122522	104
52	15	-0.0523390433419975106738304548565605702891032843554691951958967310258780473820211061190330884954718249305017842327589473817	104
52	17	-0.00793493614130190716158591096633417404786148375183571700408336560599935902391868114118813456225762911620946552296215785187	104
52	19	-0.000791798590587764101790551761157932304312380088370316023606831834736961267607207464558451301885497460063524354361014696703	104
52	21	-0.0538923475499338102659393537993784749640897602557607411277508591640404727363051045845210728400585165007449284729493463112	104
52	23	-0.0130576293581688302887764928627101281473670904671037632610259835618323126108259695409730107146644668687804718347302129194	104
52	25	-0.0619185699753233275976116029983260168885271488589429367223666623478070585730029573581536135780128127855927677804377679590	104
52	27	-0.0530167001781687597291925148303311751007083457866236464374928232799274351173703087620244589316391002595534203951890586513	104
52	29	-0.0400636128050079627084031802329094092044540018890011544184982142734100578089801925116924766546023283285339307478769263728	104
52	31	-0.0260494407799729998204567749410348035118384240022713419050713205220493829413746357707288303317049630082536593806495670468	104
52	33	-0.0580775582457676869251202267153532204698014715754300280418770249329595481201577965461446293994586754014983951717353769832	104
52	35	-0.0579416064210884015483707814456854188372261636155776561194604918060198636985635739847710215109066099252194309118789885072	104
52	37	-0.0284970974196162604893214875447815539472311334899613884587123281521717904911881781210456250192649750979182835881952916705	104
52	41	-0.0395395485983484574421204419764254109572721250278787689415739566139155097644074311022579503283043177674468135245157268543	104
52	43	-0.0425979237092101227180847035044801547115574556683829048961041700950311478668715734397559640853377985538944619084413295603	104
52	45	-0.0543705002615598424033368664150017533963818005297302817807449858089577377155266217907682831836088737097652371432943761612	104
52	47	-0.0406946665402466349916526107238131923437093924145036462787684408544499208809692155188063716778770149526750154660087917916	104
52	49	-0.0619462484617019960955705735021679403905906853470446032874709961395670223324197482262868571644104982959321094364067153276	104
52	51	-0.061470370291647779568959517870259351166879054623066261273891026566612442441642465148572223985368894311207595807128657265	104

The sum of these constants is = -0.315425864075434139321496238314381064025356428661877716884858862998152412179554867208934291642676425908445475827115994442

The error from its expected value is = 7.619931840903174146 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 1 min, 1 sec, 657 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 21 millisecc

Total elapsed time: 1 min, 1 sec, 678 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 53$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

53	1	-0.0271040496664542512081545756648299915927670462736583185571544103877442281722791916505414657119368635158585016899734283513	104
53	2	0.471341055277107433647141179464301764045671257520418873385772220845818013241747538596783287612364313145642347160781229325	104
53	3	0.307149243847222440779866667260978623088404981616936176940561252580890062158055736348434366202758704952665973233238923923	104
53	4	-0.0249424873878856580819973209925302568729253333927508525731212604487664190696911230990489786031026973559312037283517718847	104
53	5	0.165787050907212759067790654512048974314159450857728374488447717022136205356687327420672740466221952521344640555596206426	104
53	6	-0.0161224114943844889831972220081744599734717714721350135266517049971802862912118240595482946748307311189961044096266502297	104
53	7	0.117917608605757645315426681461150356724125611885898002247677591383785299437024377938703393986241702637284164946178455360	104
53	8	-0.0127762497289505519379834930590231501740562478153273233624614821554851635248392186240654395552424514643631628073680544609	104
53	9	-0.0312185174469858982438952052992286276671292913075002874017875965878334084419892875401303645321923870571816976489689337808	104
53	10	-0.0328326281928914479352925120078194283581870059956334792035842577662631983147391625629963418756605608074961812987424112123	104
53	11	0.0621792369012489002582152891597508913302073541454366957680226204404567487676227138236015639321248085960359925779970578503	104
53	12	-0.0280254660518749175814366224973314993873698067961869710703481254744249478460061224664492815853418357351519301384482565712	104
53	13	0.0436591636670149250304860268565847800288966991647104559347458364608148472689840528912586402912339149097247019472889329585	104
53	14	-0.0133393670349132148739173304911721964829123969419472752255538096690743689696729174850558955895462035974532991516406578597	104
53	15	-0.0285451899304574435095300900020372028083378307009181032675014706398232245149233790417002825704631335808671983038216415140	104
53	16	-0.0301193159580703663506260761732167476196941534778093929131663205613607322172868919528105020568854625415268622959946685131	104
53	17	0.0302900668522146247541624979429363690365609027382918884476851014621259166761585427771178822197347821014578499823352179992	104
53	18	-0.0148890210038856693904045106907137757912184012324392037764801576273599078401888912084509919345211937656144742149165328143	104
53	19	0.0214587977875036465278115401206828762866164123854982580787917910546310528533634708050703270138759024728775139038464423967	104
53	20	-0.0167161741070874197272270745356813200645805908808373895045221789974169130105507516863292057246758500845227699994438775310	104
53	21	-0.0238064101593324983492155360494163270267109914967189494958010745729948054876268002286673926609471759346772717114168599755	104
53	22	-0.0303932214278744354110798345953212387679198657984065044233158666939229458032711584894169898336073163686118061493761315804	104
53	23	0.00781548624975570351394901819761706978772489129747932385279571683518508528008044542179805234792114320870050540845385033398	104
53	24	-0.035565066474015008914707157944924984018490126320386324755547226313008016308590493759407430034277702859949369125016244455	104
53	25	-0.0249549922310797795809471773388139818970843376430295329028201810748525406055915748881533652146582716766961711234799756939	104
53	26	-0.0192999062993412365924850474982582561323935700552036422277750365513505463516794412990263474752829799819250753698470410681	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 53$  IS IN THE NEXT PAGE



53	27	-0.0295305928970485624822014031962081256731983613124221650971030999930978712603233721262400912122738517545397069552481409286	104
53	28	-0.0329342338631923554987156456218820582947183722299550511368827108449409123846577016161909238742809735128459199581123803762	104
53	29	0.00625180795978796611057062523986221719116953490126647891552681997439050004343750307247447925172592886404800052168487925379	104
53	30	-0.0196177592476932104431153563226873121862249838845162842866469259945682354201421219660453788344514921511228530148874818233	104
53	31	0.00720305058809818005986950878890294762868460252442841974854156988965569860388633936263103955535663307696992772650393124942	104
53	32	-0.0289311179006452562951480521540208423412878019616473122293735787470008799850016706246214310958525067480218372495142052296	104
53	33	-0.0252331534937694811806546588111014321490684092843632924105753679777380471716710466792150905694650429201854622429836836941	104
53	34	-0.0293335808337048457908014953620520661535922995382079516252435973354447497671712847152574456701352814644422266901757097220	104
53	35	-0.0330290053082092305290888540577545719729562640012515815141685568153404483086779479513930340878813285547828803885796887474	104
53	36	-0.0252578603921482470144392944527828971086817259980459780838949146146764532746989449322760546964822041202884855608540274250	104
53	37	-0.00581698272448510925395050917327896027866298898883236634263187272252904928593969801835616072570456258508629265840127613854	104
53	38	-0.0280997417849015070614919151743333795396369752260953489093933513010580901082465057203821377626056897826087474852432564481	104
53	39	-0.0288662886228392518744371149820060429267073897007347817261395462433274346629893747101558737984555948165986839972301676960	104
53	40	-0.0298080503830051371367653028698314159546867733105283503987701563861795151885128071706730236704814755504592173906109433660	104
53	41	-0.00780472190270058843836558219405836153425263360106435803254623177873506255804940648811754034161269409648762371164438076462	104
53	42	-0.0331172281933240550818021047782835760954248945740012256243353398312033798641243685146133756680561357467549452350957726233	104
53	43	-0.00420228173163438139443825517667113930355565402927862711200391646740275534671631490373331359583798966867543354950061519975	104
53	44	-0.0236741270672422205063290807358423875699842870437921088197688070283661688330823858652604242886130451401327639816010635709	104
53	45	-0.0255824914793094701753628815702394701652988080179448154735245306867340497257651753985528204873170712066977964161984516124	104
53	46	-0.0316471884597965074456496028616277455048965370926772496865692153808286071913029358106515109910187035491627997472418408713	104
53	47	-0.0116329142115104931322374564451307925026380779871339545330707606071723709530226157102211140815630176683249849162556346854	104
53	48	-0.0206098366343800419228878155115858997767425962770049247681324054577471183334864717976518695455563831360795752692887908260	104
53	49	-0.0336930962974494709504970363506766730335438821048801595918996301839556491279069363562097084476214889076154400763291587293	104
53	50	-0.0239265746241113471779705291427545765331700027062444771788138933291094359180861766537817072394734449246653222877738847978	104
53	51	-0.0272688803432129412883447562428283312756621575882898200672531877204960629550649144483774440863838568153074505121363381244	104
53	52	-0.028155097331785329355241905486687531838332746416212946669627188886395976401844493925516253429032082311952631445179167269	104

The sum of these constants is = 0.242629288319340896962974008420016613768547780336670904305271761094735831652085190846218103132359858561801258570561799462

The error from its expected value is = 1.3472662508011980075 E-134

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 3 min, 55 sec, 453 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 45 millisecc

Total elapsed time: 3 min, 55 sec, 498 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 54$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

54	1	-0.0767903776665845605880348437584555747247913737087674468799363198785228291793126113338413914353185147055108871984132215101	104
54	5	0.134427327346665919474654216616513851988786281393108726824263255203275919246698144142389909246175434415920580696021678136	104
54	7	0.0691494395589238665548057625698289685245290435177551950340672087924386117052960440220801981855831196990075341838086895686	104
54	11	0.00553954519387817496901184234302946761594947131809432303876238225756232300883661546539223774199617398011530003015069432230	104
54	13	0.00320102364968502889678185528059447093083051263116469056096038786956070567937008762258543617291059514365681476343113212506	104
54	17	-0.0136873171382423266702216442596733959836543002346086195302357287415091453801580030948452788195808386085278289634993984586	104
54	19	-0.0206064784323562915726631996322225448709609913671475971457050503881873619764041080794705337858708725134768816693969116332	104
54	23	-0.0357216081530840947744909821192823577927202475973394913882423107298412599854687968680196236362030815980507241614726849895	104
54	25	-0.0797997572607109333609761279038518424196324103829444450694850241480519354646348363956391540330248629019521233531063788288	104
54	29	-0.0377079936752360302551496531562038387532014017009988541924634324085193241823896656540130397961965287148628821237574914297	104
54	31	-0.0548339340661284683639178166295687101263887167145354833760469416702021879091233209343674789698409070376307093242479915189	104
54	35	-0.0768769803284858737845620651515495434270020672269049582266659184418575785494338515208685484289026510385642888353867154112	104
54	37	-0.0649613760439290533322468903272940591684255208937873208711175195279558725812915949055799601267660249202020458746184158911	104
54	41	-0.0628790175249347708431790471400483518169678839862173461639644937109565700846104123050330266493143097921447655003587601018	104
54	43	-0.0545445147503900902720042580581084827553305033268057337657998164881923679783722958486818094175066169569605326805192528556	104
54	47	-0.0604652387724689166355410190253891136409981285505506994144400486145135252159810931581301916033478378049089413214764271008	104
54	49	-0.0777045044979526270813940487641081208684189042989437495116569068309578148588785427557677375125125439040890482686614161079	104
54	53	-0.0675743579243395019387785756088482969933695439427053170635628419519786087301068820173807090313664150605204564820233791668	104

The sum of these constants is = -0.571836120485690549577906494724637474281766685072134127141269119408408822435965123619190701899086682318701886083526250852

The error from its expected value is = 7.337712143091945474 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 23 sec, 703 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 17 millisecc

Total elapsed time: 0 min, 23 sec, 720 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 55$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

55	1	-0.0427655990187268579344339466457483843518020421120501446086431097212753372424092612069426426938304205869644582764677472157	104
55	2	0.464013047692093134608782980470669325805948013029115790667956824005800552967074270766797034959035733064869222407323625277	104
55	3	0.304081257488123601359554830965367898628378315172001043687356914790844602730001876364504359721948090055128165014150023940	104
55	4	-0.0243549129953647020645797808827276884209793914023009322936800004897464641616939119031444898452804340097625099248560329029	104
55	6	-0.0268609354354742451587170339151790142356301229286285220865152455852775924276323000364127989292828137680607987812272762351	104
55	7	0.106175184413401545593384574457646991492334510010904758913764648018540132885945837090600801803127811895703616298787137529	104
55	8	-0.0352168844196019619052823155253329943107396409725676640156664139869856258995340698000048865791708351416814394595803106981	104
55	9	-0.0421502889080140050770039806947329254598803930696054970300292791636005265445826566223690380469305662202345866857721851393	104
55	12	-0.0277976809948537203580412969300503910521785890384507747941995374069598966812275092366183642568207113348667887935256430168	104
55	13	0.0356575807799441548781219911460703093725943395115801684122146183008129577313525000320161519110859901863381938114130063858	104
55	14	-0.0394425305329677113047257723949863963512505598103368664816269226606607458184945912737261250992901299558766194195194358255	104
55	16	-0.0259199748072062705381022364623127317673054162680751066537016076615630660574522020798570653234595552054817943332891127262	104
55	17	0.0262660680803793461693181899622756604506837345334352858530855813979692988263305221786719850377843779605726159609864820155	104
55	18	-0.0278716267537798252172223486804634063000934734580651322249485402791392026500342556884991121224968373969195244833916415709	104
55	19	0.0141146485528271610438611215967894621109515112374447319196384770900399320235123853009751892684598421196054355233722099190	104
55	21	-0.0333492435836473261809359655519623298484298922398965643948932152601894419158230546951541662257601926980144238395650487638	104
55	23	0.00269087109376807774418777810297180125807957637028680671278016869591234106714098303090598999903432306048904265265149477913	104
55	24	-0.0309606089202073732195057297232653592350802735036182999946356653019349533130232401689203659101539753136820392591033176180	104
55	26	-0.0393110258673837064066466115899040999468320080466935159902972071774929912979284751875495380307277835421562240459171052237	104
55	27	-0.0351284657230895246420636928630474284355300097906157656839435584965358919614669299363044699673574350277593137224234045095	104
55	28	-0.0282629403247634560445047550014002615669301573521557108759805819768400035977435877061213760974296162676909654693776523280	104
55	29	-0.00288753910398846167710592253741668817341520386360621594076400959532388193664631635049253757719197562200149981461032380564	104
55	31	-0.00957382324286393568844030089697091702384337179695919552494384945794702365396556628279085655787830538362435650155663242366	104
55	32	-0.0378878319549267864473482160462882620274372467146701380201727826163630214885686551024311207325796044482943887206653155586	104
55	34	-0.0292650839708189741303010516013023911830359989049779930479953608791201604434665988065542241115818596901006347166733138462	104
55	36	-0.0404758247650086853449446119781933749882438658217215477249559707256485938593368316897503975855001188916279929229822427261	104
55	37	-0.0140815962480152349892507520370198444489115668152062638696741859165342205873359917727075922842377591221383304180933897041	104
55	38	-0.0425064069474949049846075005447141085421184194444259745678754302913164476569513979294192807237801212577186171931099582465	104
55	39	-0.0372598344114837480719464533747492372149481935157599627060352406140005164147957940583456046306802118916406825266423989844	104
55	41	-0.0135059302762753619487908139915134610518935445441864418459155057828628669801268636222037658927473839861064076826900489088	104
55	42	-0.0306840510105212424824856219552999234946930184713693473427519023723800764010625090599037842493515425792861920411386438708	104
55	43	-0.016544768617295785555899720414244838750640768281197412295625063605151929113246750826257387796360131625117353339743821105	104
55	46	-0.0272478180889631491481003276614827196727155143523068152161057646277949256018923806024942303236638110508361285154398884393	104
55	47	-0.0183862428175209644027672488680313450389711842958118549624803035280222725547385448555689212604165283801412085746359386501	104
55	48	-0.0342228414296597824127009891942438502474549704001824483046018208236824362629195281523600713297767152273490855486739347754	104
55	49	-0.0384381068328870856077812035046444427374809017417639546440430192166805924796284660827388667560039092892566020694083955740	104
55	51	-0.0407333658108003538811651858898594071890939321352202115282712551697746000389769290597067651641421176708108674203950553019	104
55	52	-0.0363919550849713348874860878915853344839268979672562382793501231774511673650040753778227839165455404331860301714443128652	104
55	53	-0.0191538368274633580151433420925927852830932431700859773319836340199807091123618359454717894668827088548255374693674424999	104
55	54	-0.0337709604359453110046629016609201563237326302828917987833360016958490349048281748407753708698269563639523513742684562082	104

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The sum of these constants is = -0.0294118780614481253354822523003950500393424426478917028988448769841663981935408811949482776566624398944594618411020084281

The error from its expected value is = 0.E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 2 min, 11 sec, 771 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 33 millisecc

Total elapsed time: 2 min, 11 sec, 804 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 56$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

56	1	-0.0606353221148203445676706580009679374238257662401627498355847437497116369503476096089982103463766597710758651167842850277	104
56	3	0.282888010867131084965976019327245404401349164202964083874086341621228785667867147140428884195646044021724415889919949254	104
56	5	0.152962675161360403139382036013523900437904578998240758488120326929535424583176247980029835550470360469224496101633839742	104
56	9	-0.0708570884493204460972259188449402085523562971301963308563135158157808762850137977155527771145635198609455647342153214239	104
56	11	0.0387335717438244882843254364723152516733493343338310202772954282047748500955602117186903332045282735077650482464637954162	104
56	13	0.0124843262653462238241132595512558835862071524122980465045364682772126067743407823294126076019737812096191694596513095209	104
56	15	-0.0486714456105390861025397514763005392132611737416467669416056470320506418444324380729601842888923804508389784381067287719	104
56	17	0.00477938546630888576054103809319929382802805666524541187995046137697958829228561999991809572659176825021146751145417647826	104
56	19	-0.0132013587260175272846649317294085168812326570033676850567521358211375917865249074705766870451210074113191085963647181396	104
56	23	-0.012661583947019080469476827780354438397459586531227666174037995110313262002556893790330834680383216738893619391887444702	104
56	25	-0.0656971592915530941134350387821495041004987958441543393964618068192119965279970266296493839249178998180644516909106409236	104
56	27	-0.0474348286567383543832841674585645695919242757335567362166097312349966732875396890248548727825307425780995200838568717429	104
56	29	-0.035055280501315864588435268905855596252185995774155136567118729249126773852565356921264616286896038152109334228748776905	104
56	31	-0.0319084011768857326983280797304954773168937918131639485755844784059206095516724026724099863279951558978630229134021794118	104
56	33	-0.0564186429422867329784405318336189558201517143913031631663791993872537829536526682529376724382853711862899916521599268314	104
56	37	-0.0345146479914363628299641537564800948498262426252013911616256994647100440141780537904939508173641231651160526782430707427	104
56	39	-0.0612327954768387835442289284107162533528287674340152282743504644276436399503695028040420795441783008566668460473879329145	104
56	41	-0.0375889127904178931274995163129511224304149524779220440304898638130209529081298542933178942265757277264393007271426449857	104
56	43	-0.0427130943178959988380933315651104780975896964389699220266494898417278954116704400792750109722704245292955323214339672066	104
56	45	-0.0547181049824419633175567267618404117220864279887148952203209105297653584724501774919420422940436884289295961739557964850	104
56	47	-0.0370683364223324730983560548128116196264464632070073629415108043746084234503553791300729092980248672559560005076122372875	104
56	51	-0.0559489502412905630054643449150551235377827980772835844038991629968295829317536966244361513994888181399275042266465558465	104
56	53	-0.0414832840555980097577536618985991406919653580476527105066978265395094603400348772897206458859976633459109132492699124870	104
56	55	-0.0653986618187228485593502007297657753440790447836658330898308026521264314070841962890799781844664433892174625826167183985	104

The sum of these constants is = -0.381359930009500073387430304248446998091290494595943650950792928932218346245488933143000225708610491842511409893050060376

The error from its expected value is = 6.289467551221667549 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 54 sec, 628 millisec

Elapsed time for the final computation: 0 min, 0 sec, 26 millisec

Total elapsed time: 0 min, 54 sec, 654 millisec

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 57$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

57	1	-0.0467295282251101079041044836137458214834497357352375780897161864539168809150593461805500867386562910094322335572047936266	104
57	2	0.474039281074051307841850965653025009909139508349097089309066528133388825870412230054159531295920692996434858997447503312	104
57	4	-0.0331512737588685339967069126234992956145841904940340120296581924018215478410515759537517800044912454953894782861731936258	104
57	5	0.156936871560105785938936212936125694658251741796551762527411663305128240438133123258974294402927138907828602901513382890	104
57	7	0.0979056440398719252462168308894258425357193903954510812825826891025286079571059623470324409081217071995501794322355511785	104
57	8	-0.0403134336804714887807523057879084577467436087477573344818842170068131811931979189221925592149739420278216774775747108056	104
57	10	-0.0267790214304615648039145341100083959638729244738473861383657450477401457211895343496841113524906309157361499243077308660	104
57	11	0.0482667331914167380162882869060652830869565820663821417551986146695385572469884977264179232121234815149597200444911305491	104
57	13	0.0381442932955939412350051737631878941304113773924524846814261823605719966030191521776900033906794649821074759000967133013	104
57	14	-0.0369933475153983039814837510592557419285408159571135300275482572022807810545371598924758222349119396531831446932180771569	104
57	16	-0.0379361251857232217541424482611047043283069075568339578606991665664493340242646535872754541630146661389318981125916378401	104
57	17	0.0187367331901330387044054254854195314624843519433122106701875913461793216745334228937364496316010021677477228519881813093	104
57	20	-0.0432386943862808426196445550007291436259294165446517098574564124929037782453719465303749532361255416944962810038734240129	104
57	22	-0.02927623347363605716084531318379531816851873884564608229272957105918984986609589990666884254371396338965851847772105161984	104
57	23	0.00714119192915328053972828626967863226252195654683633394292342780470348405224237019597472153570005499779760014005450889187	104
57	25	-0.0416351869473794731630262741015318267518775393891912645786846796480685071969855797394670416553770701769178270982255916952	104
57	26	-0.0308260386247552231924471838995682429199855552449379739756548220300069200543378037114933682853811027431898898548589375239	104
57	28	-0.0414406317460563733841091693706035866459518109830589974677060042909330810625816137562420704243347690105153685348048205218	104
57	29	-0.0119835145089315897416962945346859041764450598137963007597991689862887591724923122290165366741337336049867782075060107058	104
57	31	-0.0139699013424707606399966500915946664653416292838439575100463843159520666969974933883353061708638192459498043257162005209	104
57	32	-0.0333959829627718031571603495094347390925830092887139302831652227191830456568898895488441421195915770942842469938986598428	104
57	34	-0.0476027268203534735421494356508030437788404693747535798697682945724177598584759659948062144656209335048127285218964188823	104
57	35	-0.0390863634466456460224785077722364893780973276842741475145992996727348447217510979071496246974757201073671436475063001163	104
57	37	-0.0142613720756469445331224725613962175399339273733423866042835317900342538554166567343600437953206581103596702829968469179	104
57	40	-0.0351612251663647368272178255092820185514406623160082453957801040272342708377537073140766690001137781787112117748107952796	104
57	41	-0.0195139928171035620767866373009783893577121701626052052481152980843462414926273671501716640078614427675735924772387272759	104
57	43	-0.0158264905670142020379604664357506536462869036508523520839166317092234674036634377709429010306759645437591911765264163026	104
57	44	-0.0388566131479895127658903614133526145455728994460828356406704055007186545046563383367026486262294080900967855689535698498	104
57	46	-0.0390766931257500484330958566294271628807070099313231137843725910942528194195479990430597145667614099585297893220033322766	104
57	47	-0.0268537043305245536463535927848087081239164948851086042626669299184093739542108792383404178523929608836798486854355130790	104
57	49	-0.0417150561058569219325813804777843357291216394965902758648367897268976486285344097270613839266950591108667209728328968420	104
57	50	-0.0394066779342718501793924738497671047021200289467426421419412857694040683544610046205859553128831978313293476452468069685	104
57	52	-0.0356099918809881726631660354991453843261533502024737903424687248178960018863563571016367929525269804019475751817408719276	104
57	53	-0.0238772414546909652870442603314629859631444558287731155843722428090256153502699974024208778489570272388355114157843208704	104
57	55	-0.0454005379405968238773638927036956213229637721722468981237616956258037941672705423728353005896964695277391239576455467557	104
57	56	-0.0357208471112722300483358315075772086217411186797444445434634002051609354001198736500026209440948310694682639262021329449	104

The sum of these constants is = -0.124467699433058970630538073672005895334398264019502548193900698355777243488596702566559122951718261266070307136157829800

The error from its expected value is = 0.E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 1 min, 53 sec, 72 millisc

Elapsed time for the final computation: 0 min, 0 sec, 35 millisc

Total elapsed time: 1 min, 53 sec, 107 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 58$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

58	1	-0.0417356499169579406208082442798820366055269664239015423375053508712086805914683248450537166127082356758235980198560704499	104
58	3	0.292168412254037215975645844241059362588499375248898801164580226659255588582862582356993115667778113100156458324381905318	104
58	5	0.144248388459483323814156481948364007146266356728142922049077429762951105895506237606231415944961278486838623262455266916	104
58	7	0.0878161342084009368530584583271223339177536640851548075059396450691861662878802007520582402355459978274822817839310758477	104
58	9	-0.0478793538480574964601484550946916512110658884933656252585822793600596472489934262477665762028596784037905883895413056011	104
58	11	0.0354561687570660089727230905758117849681139002271371107982645267671858201738906344375619736398800351036301186904998798034	104
58	13	0.0292646727862489336601167343363168486723214736436927322857551995842069531996060746145306956363336568601424311662855470413	104
58	15	-0.0397731134842130270393193354339514077296870758212360735280370987664802326594633123748256692671123495337452819006437366720	104
58	17	0.000293476655225282963540608534352565258509765930168489252012610347220152536351889801547639808069867260512279701886613440146	104
58	19	0.000561526246227023451014662270532840608589630801532902538684206258874191659853075267326625896972330258597553351176596948158	104
58	21	-0.0424878242575458403328791614477569930398624500249639721245928326514132413414363393411017294962254602425719950180021671240	104
58	23	-0.00593156629402357558532800836361378254654211404952642448482474353845529709890560016258515506838539015798554557978999999904	104
58	25	-0.0414392827293251104187943429106673141755645372720542031792399532579168507514468232253555097010098578556247912757699124585	104
58	27	-0.0566314149686375704820009614121095501890281634614931329254385173287680771812288181187465600411698173602496645821343377597	104
58	31	-0.0174671692704521242988860972398992610422862369244382437339464290692309775044946453041842468387780457363067567473679083279	104
58	33	-0.0558782007307700609098236967024273168346898039740499907675036988482164523391306278086315495284319250181825344148372305335	104
58	35	-0.0550157080706364718589998481002241997674847125638515391780537773853697795382412361756548519016010373173261043269527449363	104
58	37	-0.0279131636144892226465226284887534332044049049074469724463805248253239044077413969316573132810116974121545281794058382921	104
58	39	-0.0493733310038788886148071001246800733303228204701708199149495424292306800262136546175342412107894702903175408968466738925	104
58	41	-0.0281297559956156333107015581196226377095093678212125244365112472000438236045527297483879848820654994802076769844359287689	104
58	43	-0.0296402516644303204114059888548693512500122310336690026564032931107611706242994539889120875119933765636277401668825677692	104
58	45	-0.0510605768264662486430050367253222971501540035993210481126814215259464391986865337239865939006881852321776235065500316561	104
58	47	-0.0331775346968344535088997103519066617359209544254289457669545608650873185154582853697297729728386971471833140281987202875	104
58	49	-0.0452858350940568672950964773680344453666204414391531143277170007395232443218320242166878660551687795050451066566097062572	104
58	51	-0.0456868833210664494640065653139548444050737815444646325060920913956383972590634460084817354808623940297906730606322493821	104
58	53	-0.0418557329231860777427863525756201481393262962264044219519086240900362483363112801538671225233087792779831061491954142065	104
58	55	-0.0500715578626726043835579652853277076864366069335016787407391770909981663687138350792325598916996458247032030438422596323	104
58	57	-0.0563604185664196130794653005349970468510371265111160303345322937604537350726248296107587157852069954731033398964184471035	104

The sum of these constants is = -0.272985545773046871416986954494752416810502317256042173118280613661282385654355928216891851324374038640540966543296365795

The error from its expected value is = 4.554442019850173053 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 1 min, 5 sec, 803 millisc

Elapsed time for the final computation: 0 min, 0 sec, 23 millisc

Total elapsed time: 1 min, 5 sec, 826 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 59$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

59	1	-0.0297575545536582850391835505776583241165488981533020127968833174962848434777566653371738923549713158229882640818526970377	103
59	2	0.491183464877968924780666823588692834661328855390475847442716179692580246577591350144734799313670810612885136036816810361	103
59	3	0.306641585168174397896852218867264538550154819288717634674305889407344822406340496907967742038804051939963146459990861717	103
59	4	-0.0262505344399285303580808526326874585200969022601540383465861667518499418171588203582004010095727233791003319020392818648	103
59	5	0.173902041011585613269554540610568702062623906439850356802734163580403832544788705982155031381493680812104336061297476720	103
59	6	-0.0299997346523846143731667700497650022531680337512198549855124768239770353764954357839101077278736713504163349587727140327	103
59	7	0.112227850566211519915513317793385024693773702224421529696403070970076879890688632771511437261818114157747706136079056581	103
59	8	-0.0154655208993517563896467885545962564573426085458952405141281976776508672242150116187270635076468457143057113209429955806	103
59	9	-0.0231048406373195951410682069988905298452107594608619436720817666683846070906181983998098424148059298776431657595680856401	103
59	10	-0.0285120634730564801838069099814998516015852457131608736405251972627336216955400940880584543532962987455746888977377089616	103
59	11	0.0601583389905076122335103935294365403469821545024452592279677103295763237234521764328157054553633288693655011332605908572	103
59	12	-0.0148980403569922954831986219383531876286322449304690655108587114819180319817494837163443567864023918044567202019648019234	103
59	13	0.0563468371503635517038139095429009912181668573552743855787462726059434226356709672627412023107300337003825084462782674288	103
59	14	-0.0145508839334424517455150929900615682223686928801982149104471459720084217503793761788715109339261728012315949518286621178	103
59	15	-0.0281327153646620769674458909714493955960922555602210571996588013884950715423653125981701773057277846908515682843236430931	103
59	16	-0.0226671228832425255786006568825202334461280126082935153842976126193180807319433715896051894214081153195122218920869119438	103
59	17	0.0279038812723581672031601724724771635899857690175188275582242112906311937662122146613744928384995381802069060002809648338	103
59	18	-0.0261269900273512618152585837704356916665340158760490708249657400226417829744463490908195946568133604616976858098596878575	103
59	19	0.0328224191720588789651925354588276284672512968764263779750303856406344097128331140992766629140374957636660943536476270836	103
59	20	-0.0124823311952437820172402088042473397814296775752712733740827230762601051607823621392142997994159744802072203671240000832	103
59	21	-0.021945896062536684040992726216621569656677805075165405014620679625877767417245912794090166969024901352272238635900363096	103
59	22	-0.0245919648649737203461910370822942982853084203413674648486070121601459442735987827807727289454672724401437768589392278728	103
59	23	0.0129993889376191357951557372058481349625389758882267448847850330915977621000417530922917885304552509655472850647508038642	103
59	24	-0.0202334983333019989931596158298919402856902961930381442635080364147930617198399915653002031601720185743365560015402313580	103
59	25	-0.0284046696678916168603002276105237080865832302736893245095697439166553961902842535007775750936483255489439237218974480716	103
59	26	-0.0300356634067439687424982267055393743539893217104105356386122816011086663693952402297013693151685488844286768016081600447	103
59	27	-0.0253257510992042829510105611013616088533564663085520726151794929721875994063668261203226222625967955732277994092511293823	103
59	28	-0.0313557845295611980961820726906639023785579283394486855985261885438307135780846632472865324185499569224739340513485849114	103

THE SECOND PART OF THE CONSTANTS FOR  $q = 59$  IS IN THE NEXT PAGE



59	29	0.00590929834096279688987881447734884968328954627543524162696053774901106964603106038946639622974389170904911296199664355438	103
59	30	-0.0180397516017320022046549986253475467716032150187236962757382482605153064391934859454615153095828084789465114385010968383	103
59	31	0.00982641143768712587685471763949289085924969025645398907510886486824673031323689288636234906339139418061622580167978129301	103
59	32	-0.0316331476240883785301854393588413550392169781780164776630455021581464358831743517834952011549973669888834265273037672410	103
59	33	-0.0212014900523934801226398309817323200536053602967427818296961232023957021264281686282569569125532932453664508844528473123	103
59	34	-0.0275627929193932619574388100595994454170531448374327846479649009900776377173518107041100339896935044711896547561862895210	103
59	35	-0.0256763724023905229376733431056442629237511145680867058163949432660004249666873968168072669334694053056176833994771923372	103
59	36	-0.0280438250184102107523771335859593415721335600913635051643880447773836779020503294509600864643078166586316629325876973994	103
59	37	-0.00284928776886332131972505191961984746022587305669736468850549137857536803944492059424382423808739541886130902228127089739	103
59	38	-0.0216600070958450101355265737219291069726964457576203460083397919400944642372099399489916221441000986600907606906666456564	103
59	39	-0.0264706520400382664339895542849229762355363335097001572516429189882976912532889329488103312212843844922468736013363577840	103
59	40	-0.0316699335381771217780029896146824160361299455223247362733098362214867905045180414060698736306189968844120616922803250024	103
59	41	-0.00448547037591759281063644469470308704836582684291883976634288682270176702428135902738337987875847099452340993383194659699	103
59	42	-0.017176182675969528574250166247797793890093687301483153183637533599783929820298158020483984660746077037204100900338670127	103
59	43	-0.00584824967342485287135354550069185399607941807630667701388487732395067421324444996474264063771838024777951188775426984399	103
59	44	-0.0195968648762885629675140060619727832038972512000727640427758280706626299791226528356568393052627921001205266814259215983	103
59	45	-0.0238274995552545836553079107973374753444411120852299564449377045460195638313135185535338809721347276119773445770592795928	103
59	46	-0.0271500709054473870272126947535908033120128035022906643824450698411225177817824192358069466311645233368117709042957658914	103
59	47	-0.00514425914562973972008447450660329825334933541490766512841298872415818326414955288709390730752196502031642421296078191075	103
59	48	-0.0201857353000934547480338907331851330774633570101875341683189770636413368191034600118462583294679008565329246418518028002	103
59	49	-0.0253982794553995273785987967780627334983926553934097164773499813379905148405953430934408994406541911402260035692497479339	103
59	50	-0.0172762890452789257123448578924791893697142930870130570933331436104381865583099304749214697876997570019823508416731830513	103
59	51	-0.0294657841091623647338658183256950826486866972701878844677049738752167055125589114394940761032340006133188842159157366965	103
59	52	-0.0231864295453339872584941646047974374773668815024985406410292530104088487431866332153666779433168711499986657645382801700	103
59	53	-0.0119304923015228329890883189890518308369444426337023067551391059966684838616323955230576329087437949295391124828183953621	103
59	54	-0.0189908550862266070821167301474854947361911258308190118937050337710395431586404886468433250733151707739974833631282444209	103
59	55	-0.0236404388536974259037413008532609946574572253043708001839696809042710258803343404208334850189746916641326264571473543438	103
59	56	-0.0248689317190276378483632012960908025760918922496528478223695449532342505887541345709139478317939753567221038118855788433	103
59	57	-0.0277469343768409174321459752549377375953885327341303626694100689879253082474208531180843946998572822329194508313578645897	103
59	58	-0.0308058691775331921227459218823125719802501911791643727798498343578534182491022814661441484558542316383883569257908932488	103

The sum of these constants is = 0.244548060305269902399494635218865350576990377074758528225962519009670273609232616493803648383399193387512803182010472311

The error from its expected value is = 2.359882846019824836 E-134

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 5 min, 8 sec, 373 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 63 millisecc

Total elapsed time: 5 min, 8 sec, 436 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 60$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

60	1	-0.0888295612102084644789470403606380717888636539645035421208837602945598304269727994892391286017715759938570488435666080426	103
60	7	0.0602489707393855838139346284525907814649279653685918861339253560676914316079756500873697294141477312686231656362939119086	103
60	11	0.0110827997364182743563691644208480152185351154816699218579054755083811271337828045070041223907623168252579958997321282725	103
60	13	-0.0101752626151534454794582696439365037243147020670549997208486918487110132867126914119231756085186722924298088381382383155	103
60	17	-0.0347696629926198445544019198573245857781815554712393687842563242697804212201397186146735297500789649315110413494877141791	103
60	19	-0.0318005417985281333317451912935292231707567479624018910942297403100552151727697504598927810512904379493267069915311924956	103
60	23	-0.0480896066616131906402970571617395140487310211469366596446482862233722479289010001438340325639557872049607426566455465502	103
60	29	-0.0537540250197846711076407571692082044784135064255243470906543181265288942993671419298321076044025457271141098933038245226	103
60	31	-0.0618184177533590676433756916345500576033497858851659065608101480923171168445036659415970865100565440621333835574520258422	103
60	37	-0.0609227023705706176508138504523257447806202468008194734152801303544094318370110533298808202517906590817216372337902527674	103
60	41	-0.0692692707601097253734143760996954168112022949686476296595452073822397098469411126299392249150176086438601067273345614428	103
60	43	-0.065494726629035245853524801100370648587654669413831189426124627855283268107629571705956091445777928865842897120768775513	103
60	47	-0.0684601290242199034466760298436710021388084186164575914521542415354381409108784634481025942796393056599172848278453483165	103
60	49	-0.0980982378719737384957193511904264272879570238188267748204682395824266084957272963575630768672886770997281698814624835458	103
60	53	-0.0709233333857546915135495766658689027146513827303227853460415106014932567743861366923274361989096434187056136057334680406	103
60	59	-0.0807624128685636681786463751247919680517247566506637759971547245078662260257831760588034680554985154607331035011841494212	103

The sum of these constants is = -0.771836120485690549577906494724637474281766685072134127141269119408408822435965123619190701899086682318701886083526250852

The error from its expected value is = 1.4675424286183890949 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 21 sec, 860 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 11 millisecc

Total elapsed time: 0 min, 21 sec, 871 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 61$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

61	1	-0.0276996140632908557224961839390905614555280340883556675226249763082293149293277521027190653329807948261726670783393628565	104
61	2	0.472658206272760290312871397413004051107667648020122473729422966667186258693296989470416076796223658608779618081593325312	104
61	3	0.304820772731416264262756568464642862259611895934801048102273094982038146960088819141424698716307964261145470145830795837	104
61	4	-0.0277538409594791101907759744370546424281953788454100202128490672179459627845824546536640944948298282054400203827319943718	104
61	5	0.175424623596589423625970948089268278649641207327918019814793862680238745973218804918154114185056509776887909415308967272	104
61	6	-0.0107972903323062043704070592743456252553058230492426177360618378808369432130334522401156239266327247157577919859450119222	104
61	7	0.120758838972047387510886204599611419000401100895822856839537573862026370053263489504164443228602771837620883227333568467	104
61	8	-0.0218556016072569041995836110147948081546122984739271432803861483467456550793686329456618407957187005479432391665664777221	104
61	9	-0.0221673097454829467740444713106266803820827607318627668865379616990415657684712140150251134265543067291044797089860782724	104
61	10	-0.0118341346123428764896875277676021161904813626778993043491015265074955449699316065810105116890290471701205647206004343238	104
61	11	0.0624967339830401526906336508317682274912391166669222461207409144308173776039263714081457345529022727179196005195769731905	104
61	12	-0.0111787008906571477186399043827078532646338681138766796887809553695550974645753436937086946326940370833445870855591368873	104
61	13	0.0509589422826222884856887870442258517520273167226798061318565612543943426298437041512732280320976425204797513278411650824	104
61	14	-0.0246799041656259447329787695667652315517006053959016781253786660637967032322250406180982485217571584658065729564992146804	104
61	15	-0.0219014079279774040311762530455414637841275876181436830800099857985798831601594692929616481910886108507411437727045506807	104
61	16	-0.0238464944041672036658655422775419038190321462995074641964409969085644945013388141803881435345361448632825110818310994728	104
61	17	0.0366233801728711535948403433268326856422949254185897689090490076271716429071781648651410288024809045593024578493423533964	104
61	18	-0.0183913780014870623471276614512714109820382726828027116815537880035977226492602275143769995418553918822472510099636375354	104
61	19	0.0259738672623246024473031943751377901662206179917888872040950341333615953111275897811635722327917481433412056393279637423	104
61	20	-0.0284491768183955577346724568426550754386605531995020202166130647921147034486596744716419647671178624465015682571048939726	104
61	21	-0.0287465603646878364867307947263452855863159899959845292540954845225674919351800535110362906545905991865381445145593662523	104
61	22	-0.0144389700769706125349081772262313919404051145640076049315376562677422923742257018252610161471652215661815518792993967502	104
61	23	0.0141754281068053450125112964978658208281137564362673246858780125807549044024063354991767683784030829860726261965159420108	104
61	24	-0.0309512665769271557793673139636265400106329311292442762100579879465102249179607640783736370281407058529725463828587338920	104
61	25	-0.0252337065104608890183687836334909588383622974709159795836041918498626889415595440023337003555223515010469486651096289217	104
61	26	-0.0275349942097821444311762220296960037193018358345710039831011706690779168970342597645100781840457588618559148641464793082	104
61	27	-0.021341024159112350843195089973894486103465684669314079207728146861920876545503955909798353088006939615897851681596218345	104
61	28	-0.0147072388479382880442685751247953758847866124251043275259162927433571125243471003631759641851400930726177756693962818602	104
61	29	0.0125527286714137129155544142531137956841477808952516984291440387785584949125219197937395085206020079360294686573391833071	104
61	30	-0.0286360049097303822441798951314892007944181336523314534822700989135738636147879599320476082579132314486171715638040003963	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 61$  IS IN THE NEXT PAGE

61	31	0.00486555778238525928053884978364837945753838548631960213111514318264456383831475335400697282356600576331322039974615056008	104
61	32	-0.0288695951339680102223856282249088678403296485478857451985644121367319264205534380714952614300054817354731787678507036737	104
61	33	-0.0233685103957177049068214070779091920911822157387483918632308651777796537751794887962064666681356887480265786626000411623	104
61	34	-0.0292091954264419591719072309032603481182817060921663563896477426055431673298298308458577847448696501667160172349542671023	104
61	35	-0.0214664281006912160851954833428504666712982028257039264531786480507469374735625650591842532056060226726143069926638901491	104
61	36	-0.0196652324790871019868602020581966408206350704589612962287824119519940476422340159073641185020916333879447244680499247241	104
61	37	0.00146288627923319939789858717446820113653604036853269392743447923117283958155960249007692885496356682584340899111951705140	104
61	38	-0.0286146524257585095612945421401291234492064342433083383576143310712905273527376233128465964016671974556677025746079832819	104
61	39	-0.0284126541906642355054177033214571663310119534468445550122705229544262284554969992673774833456376697414197269586837541181	104
61	40	-0.0154770650671328052607430607134729657358172292647913046679097793278326419628639831544733433512749520673575951654350020940	104
61	41	-0.000507517945550493366824673126973676625445492404089518179855552461788131844244488544794934228051907899389023729734980549040	104
61	42	-0.0190504410480183177759313135890620222327529331538597297951793281575004908977882805213340773402197624300395764746527712539	104
61	43	-0.00561474671107826327806800078154906732787939998534381198002655650454013755069078979819331410059163627860802320838670714705	104
61	44	-0.0238880318540170470121930950874017383792156597106933652840234795581581470857642240831174537265782217450875615058219796114	104
61	45	-0.0259322243825031776401376490638699961105775244125178759367604206828607794998293619363738878092537927661119271858076645559	104
61	46	-0.0173659700826033244652319600205762372960668247420105040028949721764873558726017871147318824847134128400460514299545709324	104
61	47	-0.0106757412751616329500040070261730112801921444865194986883937142283198429564866581659444241206863967768481097749516524666	104
61	48	-0.0200476651215955094444211426585584956453255611031321134672205417158988951343790058202244358457326436316767773478829975312	104
61	49	-0.0291016873284257405444613062765473103618778498037009508533165367899260297688164309674216174747014058028851220337439837500	104
61	50	-0.0256100053843950009068179661562709063302906985267509720675550226913067556527471712294196575343073462577827105437897113360	104
61	51	-0.0251417956087079322183631530505924098247054867821212181464410868517521217016071239646920863279285099483293301321429259277	104
61	52	-0.0191008641301690094556488467953546172321375561952687908996676521563350100404609645611114303129628892786500264004586662185	104
61	53	-0.00915627986011448914414763943375728721600725229324793657910532229522776810785179098409493276543889603922516466769465073830	104
61	54	-0.0283557031494809130541038452178285726616678187501152125392621408081595424660145225634234288623588053232365173631927254329	104
61	55	-0.0276401794697899402168470170280373567651534571768599905487759592915210674561648723986148680819562771029052833628551562940	104
61	56	-0.0251340502850879514512714582008318454953211005521774815179351909741720857946583407582998834282765078562171388803214492849	104
61	57	-0.0246926737349496065234442420742693065751480892726609106652451845333526126593188590300610440928372975617322917471781674891	104
61	58	-0.0264455531235755094959782150883519787962453407995130490730540498916866795068651081042319000931526724865517145660356225371	104
61	59	-0.00743681207892268862583217011595942996750905298567817521686729010032178538814478843306154067350324081786677908829793219361	104
61	60	-0.0295423009111301478241553250921584579158811984115690579183067720621069661627260320228457987447048602428621573470223917380	104

The sum of these constants is = 0.245103770224691964083295691067712252494189599080871337339605197531481887946548537582995090450640093637582266921938230022

The error from its expected value is = 1.9599811021558096158 E-134

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 5 min, 27 sec, 625 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 68 millisecc

Total elapsed time: 5 min, 27 sec, 693 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 62$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

62	1	-0.0566679483375495073338093411616796167783112759801788177376225718624464060084828514207848142355793838306398065403724318176	104
62	3	0.287501387107775475618476159715650981763746686597652858398621492917986807653311205863287582431999913848238214447195838101	104
62	5	0.161193142390964948118984135557217363408749224256692807217300001748982669209879732972850298843877714019276165824269154768	104
62	7	0.101236046405149162725922294958948337100645777314584767264790830208225090031996821442245953248547679784352994051974608806	104
62	9	-0.0401398916471939694778233191010111945967599478963085350412437553662547059397280285457217797568726281412611247436636014345	104
62	11	0.0511346524345848067922914087761448180093351795158671593595477917047409426012983065725049538851252512841956490979853912622	104
62	13	0.0315362567351176527341278346720323459193920916387740610584517190352582843052405218291412304517510910299937141150087042354	104
62	15	-0.0498310535264976290417750036239029671532412259980968844008763128548100352682036732622752912489102735335517410328393233097	104
62	17	0.0135487096583120152635642015066528471461817354947257336153101566842359284609316425458405528641350342112713494030841281898	104
62	19	-0.00798714531892497163633165748475343332594028255807988707004062406939144068545810402301113552375148418077294122364081858364	104
62	21	-0.0433688246514375298603804541123745428210160312328728826273339413650044610448041184280907849069611050840898012773417852841	104
62	23	-0.0106269238746661817600878551256876178037685056310941124405499227983520975046105665400309608465068004198899671376459235486	104
62	25	-0.0475390618349662315765593596154067926808536089027912283251740828013968846994462463544372128021680172953225329014373295431	104
62	27	-0.0375163345836554339800272226465149791428922436398023102871440486056727625400411386733201490899834139806096114561582019343	104
62	29	-0.0200091626333425114371390958780184935942807197190016623959050895303818797154844024096293500667786239913748247978725709338	104
62	33	-0.0491781777114646264620211181474923028369252328395214963677635227234336751706829652887407289576957105364441429572435070044	104
62	35	-0.0484111085435540340258395745255890596570410630516475041308171931483988763284786736770736330675743070959347280705218969706	104
62	37	-0.0254153917626053814961151828869579510622039096019918036276851710308576735530485986462784972385817745070606190964257440774	104
62	39	-0.0433708580141647614673221691469353473427291918922941255462198347143258498210622119411199713856136745734462499157523904249	104
62	41	-0.0221387822465309500086836656300113378267091131987920312009287684876963636007889902668618399753868000851956977156404005861	104
62	43	-0.0233838480951491688138300978727021381937783625475768063530578134477319140149040213330682730659045194640250403806139802016	104
62	45	-0.0465630265146793834660875935483585342639096919817905754084496831536747443543156639491030510485698125622340193192476018951	104
62	47	-0.0243560887417669138254481258053564017622019350945272246328206543005533904301980899289045926473637455862436951161907686220	104
62	49	-0.0528326625434653246468068446964396570032986773082521252845701609515606907862436820307534791754444281406736254775606641662	104
62	51	-0.0499964971925383230157536473626509503280247409735451315683657881553770715216769197609266870892087905700803114443676440576	104
62	53	-0.0360222401645530657583695598559825488542869789638637612086703197006031503254745574721141134143010378546737959102103071266	104
62	55	-0.0521222033177003844776066681673636197551215749383298109156948390832380716374008880769431088014110456731862904199087744760	104
62	57	-0.0504432869876963097157090249251503086757019278877314959619579240167583982444560699037180269845625335542916235963912400709	104
62	59	-0.0392759228272583017557957120112763772805305174455181780054705961272394531198682935107547389594935837138860366050486667313	104
62	61	-0.0397146053290294147166814193753669196214734163057478546997241923374097311794635241325818490348246033039374448116796862102	104

The sum of these constants is = -0.270760851668486248502637677520336399012949480771058858324064818333140005231664048350373497598011413501497585008257433648

The error from its expected value is = 5.680809401103441657 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 1 min, 15 sec, 104 millisc

Elapsed time for the final computation: 0 min, 0 sec, 26 millisc

Total elapsed time: 1 min, 15 sec, 130 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 63$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

63	1	-0.0404768079625706522776681024264456904018501132798421784865412539954421909410375154728864043097380222110016947577937825551	104
63	2	0.460093473662021969220990441025351250189392248793880275029046311144266378614216748371779113129016815695584634488585468620	104
63	4	-0.0302031445605211339321553169850357571642894554195841038096168618577046664460689784137858566826563991559669303835534000357	104
63	5	0.163331503158521382220681863669600034967814975543923473015829031833753848703455170778142901609360687006426305887963809997	104
63	8	-0.0297002805388830710309703793342150105552533805273272030718237038966086346167490837594372613565936056276915948540099067243	104
63	10	-0.0330881019186237141656891534856725444340983951240213792063691132130668184304978871666821320543939944576306895567843822676	104
63	11	0.0522654978703568341438556993780968578183151429788208689836823599252160515431317322053858624712065424661587362259986751469	104
63	13	0.0332096978133401690758682047024803977202105261706431110513249475842697708507507897217506311805225740657120967558874881641	104
63	16	-0.0357555182514738461994069540508501704155961924645649850097151252890514035864937068728621934590071517284038069129830625275	104
63	17	0.0135057512852832905695196843175127231245513495209769717636434480737275557714572384950726196362778954432793251291997186004	104
63	19	0.00829744670922583326773219705405934189155605013313685063057361741811057915621769152167621274731952779117020688843669685240	104
63	20	-0.0361816288042903331548914506072105748892210482907320934637263712043533373719083757634306130358100746472789793236587855803	104
63	22	-0.0436428326644558914328701844226336287300944367615929813061291487130839646664551081432893382856853945088461438040903239765	104
63	23	0.00121077553908548384962667220038338676708552378402685597695295469853376685719337905944617727859228205413234992798600350385	104
63	25	-0.0429424245527932930837938632182366119653068610800489312498128365723707125705876502291317001889892003255724180914443802814	104
63	26	-0.0369476493464271438041381779643149974423094555999800201841483253210922279796060557511184470913078580314227998788347051262	104
63	29	-0.0136796649340645660988197577084728975334694824731743351063006318401607775933397849836617253623118938818015281369055676696	104
63	31	-0.00633617385730430228522224041931641695059084982361159321058583132026123033900453654793949870737987533178029864838489159413	104
63	32	-0.0472054472221504779130079261072734822632465681413004545625670118960806773088316648199178145729157482791997194992809495617	104
63	34	-0.0315248588604302891141914500592252610680400605486627013067648703624282903597627139116886945565186086354514761041334869020	104
63	37	-0.0165866934967390193861233292261322234688451736125113692715680627180463453523114221642998570779307335107637318092302820433	104
63	38	-0.0325644444810307583787987888988400953455843383513353095073360034751228918050105271645636529924327433552868898372758173922	104
63	40	-0.0356761067723686558315479446361359426961378965588818978294631121841338845730643841890343249002921911523045303771746907674	104
63	41	-0.0157903367078814040842423038930778861672944113569683610258227708268454259328139518257603859917397078782249689710527395761	104
63	43	-0.0243287207029330368299553040437588230718647802248278917306788811001224679915745518740013496209044196859973587156566540605	104
63	44	-0.0362554532088747877446155468931421016086727069973477725416848014833689040490166774083278097561744256355507929004893609186	104
63	46	-0.0391277327552269592981570675948705140507586080767749203331651956910161465949764947412039759422425156417827288140078905279	104
63	47	-0.0225669205668199176540149730274880250176825815909146365035067633153159497766239360122599778672168388170324968318271955075	104
63	50	-0.0352468357416640764264552820127084640673630427314303627590781340029848157825509792200837883009957326510829890307436237107	104
63	52	-0.0433365168302817205728917474191677436793157712003121098412968002921889352344144149707358868535619104604456288253895450625	104
63	53	-0.0224664158598303690478337180918301388466572372531037169287351234896340953455081390060682912349682695765141021788167456492	104
63	55	-0.041376342718935393633039478038910548300181646009689368229688815952051415744026862954957287109696741091811766930489103187	104
63	58	-0.04668854873086252142602528352441012243074995989287077222734541406853219147895584952513929139515697148771363721624591178	104
63	59	-0.0304729573572638537896188364997404468578983272886992613732576190438986073598330190024898310616437372263258872806822657821	104
63	61	-0.0301639361114078284207924474580356035931673475307212218058062610847867391377351932209637977288242121811772903430669579646	104
63	62	-0.0462746077223356213355241470540817110756844805474371538577159830183690264402760192032153464770836412797126095979584913931	104

The sum of these constants is = -0.214693263342833406720763637581780331424623827929276984284126262265551679578822266476333559041943825175844743226383393710

The error from its expected value is = 7.337712143091945474 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 1 min, 39 sec, 914 millisc

Elapsed time for the final computation: 0 min, 0 sec, 33 millisc

Total elapsed time: 1 min, 39 sec, 947 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 64$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

64	1	-0.0447780939385964944113057204092361901077918383224903319241129607010197267951711247628732377593465000074168237756364654343	104
64	3	0.296991568416201174876049944381924957992794661533923359975813483896461207151207259866292247033553995230886555331109364293	104
64	5	0.149620464283393181009337151384505298735048258391803276553974140939685067204714300100819791731788327990813051875056407037	104
64	7	0.109050183978099249675113955689533894195833798037515420182538233459160061993994595190113260440085179817391405729228108728	104
64	9	-0.0338359202902855456297909224340296108517459918869850295157634877451544057987488824246181451221933013067536533237072806126	104
64	11	0.0456620868842197926865748592062708978261406907191189017789294097194134595631217027234874174424379657917721741369249845680	104
64	13	0.0259709435957356227180364935223557339414232639615116275329922787643655127448070943429609659210034459034659042132699471843	104
64	15	-0.0370675876265054711303954009270059374753720980376863498418561099857941052207501115138029828875133044280900600664752126496	104
64	17	0.00617616637351072633624212192442383806306265288245989082267563597989612349398120742374920402039077677228561339257486785502	104
64	19	0.0140791863042657925295661941777860618886844236113985953422853385205050016264637187288222616693648402409680451748887207067	104
64	21	-0.0456812206696283017571947485566272509929084833965280467203372129913921607720114204960791317353606183790959683232307557336	104
64	23	-0.00627872946161335702247734997700903954704124329344469510635081357525075449732958682504713792773066781344982005126820216124	104
64	25	-0.0413628308580243035378045695981225649482512121650849244358443194296398506466877424084262147504863796168165716365956843419	104
64	27	-0.0519844576415821299718385532601971461014731853759660837819817176085466541494341005157064194617902666967541605426093108111	104
64	29	-0.0120223520301042239645646185830018973653860647458925944871443290020160710627049794968841704950162058723822407186209952288	104
64	31	-0.0176207901122552512854970562118624751642287550780920487659683125590432049435904552445865840231895484464622363472550479659	104
64	33	-0.0453164593422922726040780190216964851830626504387578179170376113817967479191103560914313708959185617816823880813592529873	104
64	35	-0.0439064618584516049765586134619993643528816961872000191140975645654345961477258479926859460335363454768730776190450918129	104
64	37	-0.0102461924084553030441288871426621896140888003392624291642034192512066017001870686770507148888591747481752992291131426468	104
64	39	-0.0378162219762995434436787240796197114694657696822286593760320224405066121881971226650298766808056222733550000782401577624	104
64	41	-0.0280084785423738395090205477255053795211464968912241640689402044094457931284616525920723278717918751459498580978043772707	104
64	43	-0.0217518262926251071434206711784321708464698231417952831896966506661408071770729663150359077558786579149162498615992992377	104
64	45	-0.0416406306997332011653372615099332128690285919138930960110207442009714984575964751199956716113740694053537055583850930248	104
64	47	-0.0294263124735052661002014543082804361868639320481914858845731046216726437593936731986111287578447790184756130633205539978	104
64	49	-0.0448414408689707537684183806448125978837736765232221069825864144775603056762803631603243397382541126199245319150501833358	104
64	51	-0.0451325946952799143958832679978756911050773590348392204846143868600819604400111607784302507146435937072273932529586331417	104
64	53	-0.0314632103756368539599271492989285606983423625713143890729063886024644906946437314484435018401115837945151590545779333988	104
64	55	-0.0503328041564739764344716822115619151170006648165547235003107675638050997714504490077919982449572722885441870297223055020	104
64	57	-0.0544506826550571419995545877724494440665102560731887313836693060432789508623764224845414102065274564063454929721802665865	104
64	59	-0.0316341504477348738656952117360555773355486408410230740791666625048637580806099800567669069787446125970080944586291028304	104
64	61	-0.0348621177996564933664354955737033440017021162148700541840538399081492661167803331601682245557210587710804131674569423306	104
64	63	-0.0445918197666415315878149880574966307862593918567965070048759562593258568745956622256989158867823122163033043784040270861	104

The sum of these constants is = -0.238502787152357216244573161391304140948433351738800793807935786075075489102631790285857368565753348985368552750192917519

The error from its expected value is = -1.3758210268297397764 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 1 min, 42 sec, 982 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 26 millisecc

Total elapsed time: 1 min, 43 sec, 8 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 65$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

65	1	-0.0291387402356429564654775407899492507149148185496532253852548064342642284253936902910092824872443645394809726985293767805	104
65	2	0.484380419890525577576232179076141125255781393532150238039735416865949271948766968639799468180583797344407097846322781176	104
65	3	0.301020969249072017009140137597294779773599183509654045368327658551390382497987009428758261928738818724361560958127694492	104
65	4	-0.0339341339858699529863842274397215500885026805692999930397134372504689733650911153933758154935274144381094711968149153494	104
65	6	-0.0218700090163238283903403383388084757110237566893959342080498526667786252299139150421250634812642326006368071584113281024	104
65	7	0.113848626830682704893120428678335042442559806425905048705717590699765359586998873977505023115661419441301787956022380839	104
65	8	-0.021812566636465896429040289692202381712585793947147480186233467379771843478222249209410654508980087454164796103572770187	104
65	9	-0.0270598943663937077035100563982579599624429378172038157953495122923197065260961478125188211820730371171546551623880948321	104
65	11	0.0591038411221261528088318092345866421427160798288200906962710840915626029224860226273327494775516577250220642325287131205	104
65	12	-0.0329638157676117030703999994031774878757283464560997836773362762519278585004460505013334289889203457901670845999750864091	104
65	14	-0.0262273240357415280667025718223750217127364603857500415137187470797102547426429180987013001828999268662141095303764966512	104
65	16	-0.0333367059495872392567839728852174624619354253133401823645389760992745970415500649242581844782681465533234262392600033098	104
65	17	0.0234671135920861678436274972674836927320369439042700140604894415969288392771482230740139831666264683167350365006314117996	104
65	18	-0.0265385673761434298703984975034048217289632029552214866992162746536592336894122309270127114967600631729597839361539446125	104
65	19	0.0223096504275035582995703178805821939435597270052361411854736018004928076796478899924835146132742187145889403827045114818	104
65	21	-0.0286818257333375489451294850216924335687601327268552474936700524677079008965356894582546645272691969763178430065314443625	104
65	22	-0.035793562467110589067428015849506119339386234727817789695915525956920848919111132204453221282291814766984284061823905906	104
65	23	0.00862308753210951746039526922846286609229614216299844850277559278562243104837348422570435863752896198038799062259396201216	104
65	24	-0.0223575291395050964141148995613161913575585385146890273550300342247460320305942067623629418926426039437808759305650405087	104
65	27	-0.0303750229156771797194908239394427505329466303727066918688217037204684510332595317687069166249510597381447074176071282535	104
65	28	-0.0299895710455366996966944923485983591063216962320157458081289620133775902176945050196182997669465900702928987492187737145	104
65	29	-0.00273841832893646386426854007765288538583513222677660016383071766787650268146159505803418290012586712749594952870257660958	104
65	31	-0.00394260787483498303945380624876582096506025771729339580851853632824147285141658807882991276884937929044676964466345651321	104
65	32	-0.0218798040737975536529609176449922053322087745574494638186091872976544525632786192680216352644754453976940709788340200554	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 65$  IS IN THE NEXT PAGE



65	33	-0.0298859624578418191323902141178813279156778740998750581269337951257533146153995411794005956290291331064688775764343498281	104
65	34	-0.0310196201488494853480162151881471100849251618695128551862081788356215055326446880150498075634319597334233039216915118585	104
65	36	-0.0270853048916745864160067944204446401065891562826248625032095841050004644339322122959646354962458740860515203826477414791	104
65	37	-0.00560266959660160848408490495432952123802722781408712913968507501118526209044301853644258039649739922133943203624473005567	104
65	38	-0.0252338277827020382288797011412728736842529438420177576760284302369166372227074828482738138358199353522576715283694337704	104
65	41	-0.0121238086007906857809194342657600651069904877415959283342528037541319253960343396349820758719978522558034628148082576278	104
65	42	-0.0258332590782631132753822068365332363791830905123529272804153596637180213543349364451987519970458701312404733473187449662	104
65	43	-0.00532752637037394118450550945185245648252325696865553889650386925995610187405273990133151611951801539085017506608836855950	104
65	44	-0.0237437040728332120997843444322476192958427477087797284062432479204698800652531004892934489929493202586084740833712221360	104
65	46	-0.0324846947443822071154657985841909165718141889284728966207625704751204697139998756572480955980571618598958603385133063382	104
65	47	-0.0130730015715275145354059746211497419415280641267488045404076013353891437098717177090819069763363659982623174003779048631	104
65	48	-0.0261785144314691907473850286382513033065810005973058435369755739497611497185061104690785310695935934668038942982943291066	104
65	49	-0.0301375937783186152769211480629896122660638368343067597105415101161522955280700865440210266571024408037600121946337364380	104
65	51	-0.0277209337849043567943200357573182818797462009303994621716965680772345125854466065965851693991341936341389336076897707605	104
65	53	-0.0149446942937789865743837476932700781790330405630957762736466887081223341077824511223320285907737392311023830957376777848	104
65	54	-0.0341456321845441602145691492947686822888446189418865280348243387382333134814666612064901313654154977162593340395704240693	104
65	56	-0.0347383130863543035524083748467240149204299457865331040244596707875342709287946223602507502011764661578793176691316153028	104
65	57	-0.0336744818087428281939700403636526667664511059547720654649955817514469889726057603943965825905216034981351665748165596331	104
65	58	-0.0337221361895297827613964800729411986010213763764913409631663794797544288695891849376635503530289118860868237431145541820	104
65	59	-0.0178906550136085399781430218974780759241720839017150216578264097633819932114076714919090482089110995065350074369558002688	104
65	61	-0.0168153471915524401918941717497508111203323284993030082651913031570096654041031918415962328041282016456396939009634795988	104
65	62	-0.0264040666819871421518143931099066822576009248602151928375214782658690060296169031529785643632556122552890393164494123421	104
65	63	-0.0342833630786399130748808943277420039678766590387156895855226706485435555942131658725948338146514296749346085331368219744	104
65	64	-0.0374703629317530074609078184835833085654875630927325593246944904383892945085670639268184237526752274401498376251163427455	104

The sum of these constants is = -0.0154258640754341393214962383143810640253564286618777168848588629981524121795548672089342916426764259084454758271159944421

The error from its expected value is = -6.773272747469488130 E-136

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 3 min, 32 sec, 501 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 50 millisecc

Total elapsed time: 3 min, 32 sec, 551 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 66$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

66	1	-0.0654964076739609422800752296322158287161000932021216008170209946628451766216892071213079823617883628290168126737137892287	104
66	5	0.137287774615721887541910017577057576063049796164582342532867736443484567492174595220949887618449469894011361819370131460	104
66	7	0.0781711808232570691319258843801803991616562830835220867808897850593631629624435083522480581171609476288510436956759180159	104
66	13	0.0103515831708453076396594544380743235861205799314042041281754277914253265991599433573100604205659105132326662500406877990	104
66	17	-0.00742995329564483270887428124022330431942343550671285748728147153147306839284152945440645402362249656401456253546570465398	104
66	19	-0.0255787392815412141545145744005966794962959884570544010715347245644481398761149542944330683789793472835250160279484106361	104
66	23	-0.0316410852166705323985132874419135366128369604830705049210368446485978766782731790979012587014103057224260264603014200709	104
66	25	-0.0785753871910930722678194785267828916086961405135853315158022026314109334170096973563175169519074066330198010308568020691	104
66	29	-0.0434885280784241643140347670302729093319243825295088875611089420850607147021551723603456711778640664228793191152858011657	104
66	31	-0.039405715464590463418161215533560023972711811189750780120504986995093096160362413425299515476472816327224540776704476634	104
66	35	-0.0688893817079785405203605402060827673153740152466333602587454154145416948156487933299114697842619736265434178058472621939	104
66	37	-0.0511058883039298473986925777510682624298130004563527876512488736494343950273994778722969212180280789665801882456946753555	104
66	41	-0.0454213819464802835431835214110456482393125837895112111497588412928115883450376692046231787410245701578434257623940519170	104
66	43	-0.0472826878663330226605314081566110962098628466449897864555325335569552766980318309142841980166867508173443598931601041198	104
66	47	-0.0489812867696140207583966570823936594747244875756172272992374128254094094188917274315569006046846138728311882054641245257	104
66	49	-0.0792807289263996733144646509517762875454845434094631440824313521095805656476735912492695703890504906742276891376010025160	104
66	53	-0.0621562845242720778449120301060365272887982153890449392176581663143990260959363265680055167733958414052482186201644562702	104
66	59	-0.0608644882364935784744855559528272206343649362080303728070043407580217172824784291434647702719946129348259616918457872507	104
66	61	-0.0586876887956972703969757710888295482474013037563960523281640152466757452209996301678013405959857674028052682807951408781	104
66	65	-0.0742701167254821865283153955168044907403776908736661270384945296205981507244348045503338476078401343180341573753130985213	104

The sum of these constants is = -0.662745211394781458668815585633728383372675775981225036232178210317499731526874214528281610989995773227792795174435341761

The error from its expected value is = 9.338906363935203331 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 35 sec, 765 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 20 millisecc

Total elapsed time: 0 min, 35 sec, 785 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 67$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

67	1	-0.0253530073912636574113054538565003396630873677672017989390159749424187523823879987547402413375837682989368564745258525046	104
67	2	0.475746943705495932691701669174387063861690215234750978275572835650702553290326805933965912263365427801520446305843635185	104
67	3	0.316761736182606431567373031533900879485480466506597314577692093721742304661563696164828348191665441585823192337491992190	104
67	4	-0.0131009591869558347635989531733037970972382833282025821971789970053058397039937471189209487398705715374361045124824262312	104
67	5	0.181601195987037318529075049523002819749654930593987579565084168980458519201760459405430976588201346468761532750632158647	104
67	6	-0.0128335277946977226679734411338809047497853051156760555355920843403056916062746786390625388437683102445893179830060556606	104
67	7	0.119002031128709848768574792075955420520396166724456899746850988342143037354534964100386459688587483948990506853945894507	104
67	8	-0.0288985552191621988522275696020411180260820703019885077600318123328197558619508244940917092922047457691310401057327330468	104
67	9	-0.0244484871145653526253740195885979467416468940363737914670133645099315795936335762591832615521904547356711360098077388221	104
67	10	-0.0209804670451655797838930588094718250470928880348484014346651178853634423989879554466810339260447542675395339319116270225	104
67	11	0.0636754712376890710212153087768078501003910146019953327250965304239581102878167729413581318004756528995515519139797044385	104
67	12	-0.0127085043959885766245229867649802420835445880304596665975488312225634104770857031405846096071032935277422675255629255618	104
67	13	0.0527390765197265064485076587860505116614594088437588413214179697822595398905603202786919633168969434385465733371562299592	104
67	14	-0.0230128341195674351928459177438270314119819191963802888968647726239124140555508987394525756714057948812462504386872707354	104
67	15	-0.0186030497462707851620608872687436398771504706815890519258280334532353997649978759042550584113760653302067220045463673048	104
67	16	-0.0136512208311876226937668207522605808850484741020730919725960069148884156961143864518208993907427250302204828098749815640	104
67	17	0.0391778431109115061875466842118938403777809205222583436251515294873699474173396005212895987781385643126385137651522845302	104
67	18	-0.0243772966532285138482182558363372648359119032545890964578177083422513809397855679540850651745475794504064617641398140293	104
67	19	0.0282097144184204973126269802917901241189813320456041103030712853830161029177798862156345102855278723748714660176959475211	104
67	20	-0.0285811777004525008180912319583404787963750161074322684860582963671746252365040888116507649889444851394571183917084595137	104
67	21	-0.0266767401678662889317396391997776479402052949181311407895312816521194912588335579711055680277602063397155464749658176108	104
67	22	-0.0112011426889904363031450477543382391963535226750066176857414632205991420909992939649868623577278823686117901416804732150	104
67	23	0.0205810236518742741838511069327212707156801721907252264258619940964425596708502265607552778048473083928502441290457027583	104
67	24	-0.0247989940810277980142750011976317890803556411401755385351320461483802845719414340641072782477357971128426048892343176471	104
67	25	-0.0238803282982889882867463566947456658919632301928721520991282460563412731057993797657470974847405640280804027030209243788	104
67	26	-0.0243967447727448591887559796123665804746053797749434572743289115676812773443561880702611678224512976322129035891653101182	104
67	27	-0.0284156687946521223199954335864500446336572645184406398802377190637681023170090832978562304907171065249409374677588563951	104
67	28	-0.0232431411412023952678262100690905071201838253639155311509470567575164515547261687069440935104374069564048009870986380253	104
67	29	0.0140219877579376573243726564782108865812902478764731729752601770020002852512048322609846651875521978733392261666333530650	104
67	30	-0.016828761855019547125643032204460850735292531312156348039858142414945010569744180294382886627002779069909605037750898191	104
67	31	0.00739119306922829786617817177693414355214354774229162299648866332917568248167231548217904331693642869585236380006994986246	104
67	32	-0.0205503129544771267142785041925531240764388234725742874803789937982083779934213578309735929451330792615354607583335222697	104
67	33	-0.0207113356180294437342863059734108576887349382430563705687742334042719071265612519924714324195681574472337595881428837822	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 67$  IS IN THE NEXT PAGE

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67 34  -0.0162124918295274505734506794578247827466049938179091252635423026580786090884565113570287161358794130190086698832862130186 104
67 35  -0.0275403479877451021255119960189562366632117656923035596101689276446536239028364779504086339544152409583053108619283336590 104
67 36  -0.0183110920085802967934812709939460934623349206138954778748576864058010664650832691102223712416422411984286819137443063106 104
67 37  0.000285333376175972443816063882866811483616976414259486590626694654207481900005985574346956429873899288017729031376275823809 104
67 38  -0.0216499626378071834494206789803064343090070343169510623498911212374288641833842332329191135398869172106061496572741122981 104
67 39  -0.0197138067133184555840638424497091269953951174951374358506845873542146106480763740796120299718605345085670602617552852196 104
67 40  -0.0118344636173084344442975680503449630301009167478334089944880793782074286799732396947092909945525606981450523574452945793 104
67 41  -0.000934408193050582669844781809728351626702790315207584830803558937224062917704156438245107702341670678029244324974665394510 104
67 42  -0.0198692822792391756258073080743713233193707153163576562443821087101926427512210470256859117513768886043382136584367628951 104
67 43  -0.00356788052834841578609018376425828206078632562852557849086443996925227729622671924233919182384546776187029444622601079245 104
67 44  -0.0238814894914822715738106764151346676150850677916057272809019704597334666016016925195860172064283973672225216486910347586 104
67 45  -0.0198816851585438212431157414065393628423953417252336042264664310815865369707958992629735413840567429668054393153784605365 104
67 46  -0.0186535224780486608414360751570280907313807231932568454908674903718722747908891481819792034694778993759210068313975707304 104
67 47  -0.000805754978952702692893144056962076577351382647476840184912431427921432462791417267342803280350530549315954814357670882066 104
67 48  -0.0253041121159822505697874988508366675126057697414471924490833008731096651018982357621969707885260947419861316665414068510 104
67 49  -0.0247203994921140836689795233270340220987621552335787788548708312473370542832604726338379674806755486256846342654345890542 104
67 50  -0.0230461643793815723682441507344473402990205381454880266892271512949802286033961149563541190211973264841961595786733172929 104
67 51  -0.0283514043764897770909163436644047051932805539502543319976799979109490587574374861267702431757689265652905661476931240378 104
67 52  -0.0267948703018840296116162109873426997760426588140392074381048832002699265704667565647888284801593398141636696302438979755 104
67 53  -0.0088239236865329888500285173927773749959817577020993417820860010113556056366077849619242681610420891215498561766624079251 104
67 54  -0.0236534719854106365134242993606361086844274247114053990687627774811792399597507504635491225179181567862571105058938870959 104
67 55  -0.0260606743091361372584171512782422426078745528042034426550670972154121432226339929105945533583210679184565778919595278681 104
67 56  -0.0232606599068652969437824711954802029512523069984543414965393276581018466944013655194088893163839729755681691029080986663 104
67 57  -0.0208377292349001315060157927547658138227995455387570283052858989344782393635437652100946080405835253746308564957693943466 104
67 58  -0.0265650283903447924880750021602496613959570341379798308718508430184519411403952163231783905674229323668560864344377940712 104
67 59  -0.00244952377645382291319498996910344264614014089574376924232888956041023825293641297470760145160414607344384832729136879290 104
67 60  -0.0200173410370021065798963048180174843449000725460441614561887433570448405844143491096081874561188552200611519490582743236 104
67 61  -0.0106677488365230320309683197405293216889874672120482112038090610356823820505918133899759374557886655658443183739531309347 104
67 62  -0.0234367490597815724765517333320687225553312947045339456243964729940681739051039021266247904400213901191083217321068147207 104
67 63  -0.0187840097651566581724764606871502487898627564363152810462405411966406275959982746499030948582371278942326129162270453103 104
67 64  -0.0210860378888324567123991581560928124105049606631538700801318332217630422959055367429564022245117313288138049503573368241 104
67 65  -0.0223687270762386114498465592680928075915475779397377898439142308719798462928771258974633400515833493254631647628709512445 104
67 66  -0.0262846893407115918599530174309304681810141722511427775225438866924035611528102511892958446156048183011290429144003976802 104

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The sum of these constants is = 0.246571839713314425546471614728098844126193513932840997236840333327909585524233881355933676210366053999706074115478724272

The error from its expected value is = 1.8994544027127004376 E-134

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 6 min, 54 sec, 583 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 71 millisecc

Total elapsed time: 6 min, 54 sec, 654 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 68$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

68	1	-0.0484750877913713765433971079122857701553646889623669828698519138946065529540650904074108440047053879016135884981273242362	104
68	3	0.301841981344964856318467457350877194318375008442973717950548810579053491545670187534994410723243088352244458985702256314	104
68	5	0.160864590539432298593958094747071059674329785260210169017923401528668409005510035871422906368963350730138072560143539405	104
68	7	0.093007536565613971253913678791933530307672708501077942169835559339552927568440621735537028174355412062399800341952588224	104
68	9	-0.0528552352735256129097507145808184091689242825804771626179192602966577762551774164079012494327454344721349022307433671510	104
68	11	0.0533907975733454267195367002710361459944203087255951925225870641787604017071465752061028890147860751711658223405994359831	104
68	13	0.0322168384549108076862943603859153979555378882674841053260521065394936508069684313055026270949073920489685606594019333990	104
68	15	-0.0376802952048481170157116156120883582054419834884381821652576530393889911891081686093625578338838399467569470064510168265	104
68	19	0.00318841930256276850425651653314494687792240474414859938449000574076139499033253579389444272136123391535573504784066645550	104
68	21	-0.0371253524057731796772898883032020331436372031918166841360801957098884580477955934885741783954582236623898259901847083094	104
68	23	-0.00694972770956932514307449582410099235252476715635548548181816469003105795220521515094413970359756255790618362352268749356	104
68	25	-0.0495784955414195123932757360071943723288471922775280761201448748006764666238393751784374967589666407493495212977459275603	104
68	27	-0.0471764780607311878308697858802441890592730929916106926083598998748708752568877175131250081009097263390570885243248811437	104
68	29	-0.00657518128465763236663117401676081604943522029921061828058269511297291785199519416824215111325043525800325257142325014730	104
68	31	-0.0157570115707710809275689172582419957733200639227813458056114596350301423666164447420341677697304098198272577689335898715	104
68	33	-0.0461118196953927116088589218992493146123385388276988322696040595486480645740865277299419002620491295290482989200832265710	104
68	35	-0.0370611007695415810861672147300961212883488237949756597351916604220479127724012897260905516793842772261025359789770199996	104
68	37	-0.022560019187280333753081187167971158186282662557611793183907871333331014251281909009653260662084382033138007133923932368	104
68	39	-0.0442189671493305967202530914877629234430156585502407888910076653954911277560209357309789163454322542444583167089021250269	104
68	41	-0.0190851226364228123230411598619703830262500994779463664439675892262669411640304781136392514927793841620740603856155633593	104
68	43	-0.0260920526596516922497927057019660734885727785819583939205172423882586510049749235604734763995183802439738180518304829230	104
68	45	-0.0391624021705525136354344098533458200959947473638351409181451480454531786807326652299671511553467519907624386435033782906	104
68	47	-0.0306388653162469691834294480724416411161348947945491379588940850714222829825792077472889852368863792481554376861084042439	104
68	49	-0.0514369650175221155669898377824407880886882110105069083635132910954080441722808506685050784621943343437485700473619533839	104
68	53	-0.0337319516429651334763088094562518904016754701049751287640450438690839382124024271508658266269856772199164264078186144430	104
68	55	-0.0511432526842588724219500940028089609039751864586214972657241187879316819983791427721695314982101511348512022926352056851	104
68	57	-0.0498190942673943680124549075498181207993473492956675394745828972347061333396025738258790373781633873248833878051548505228	104
68	59	-0.0257055877747003369024417053395422035771060007730485543904608178982518122333183398603838548501867445846009111718394978457	104
68	61	-0.0320234179027510518098572139059906007380255474055736921346759304311127418199650070450161692882824543042953403804592902438	104
68	63	-0.0426316701370329870438090178013622541806946214359049627159288396856720628851253107121036466403034714963499531627337581568	104
68	65	-0.0501068698152546571179525379027554688022093403683277071198617688353792638198114979051936669421604696700301674654546585581	104
68	67	-0.0381344566759337197332119702754762104173061063062024759857954331590603055177505044140694779867577435994073608094547150207	104

The sum of these constants is = -0.297326316564121922126926102567774729183727469385859617337347550780957842043808260874092662683400407808897964514898799872

The error from its expected value is = 5.179561512770785040 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 2 min, 1 sec, 612 millisc

Elapsed time for the final computation: 0 min, 0 sec, 26 millisc

Total elapsed time: 2 min, 1 sec, 638 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 69$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

69	1	-0.0303843469751836393784637539127512011079323467355243596326607206144747604452977349832029654105833114783268311099189294293	104
69	2	0.473607864490587822981507223243219521463945747078213634471242014244892631762158460733799295728227734955775927620169982511	104
69	4	-0.0209692598299602349795508282037690960796231425875203252955416118042190240095813331768869379910627070238805548886295716065	104
69	5	0.164231635591231390705353077062741357170007033839197037085152596658590257141613565432626700424911800954778463644369712397	104
69	7	0.104118679912949599641736089860483464839695131086202798363206928741898666753933615762934622367224292448944206027469285780	104
69	8	-0.0381066765598680226744188286827237367799251378705677857574012178276227991572463294803543120995544879976622504091034520821	104
69	10	-0.0266755658449286712945860778683260563828149200532310267714324465996934288044049678574573705271027869854072930428838341028	104
69	11	0.0579036406394387758772072485041633161421444906507922535030941543904433383553223904311315317413632272208354703760831562511	104
69	13	0.0398285021358818293037407044419088209670036125238174812032292477914248107339620929362766285157627580345826443241757290093	104
69	14	-0.0258017036726506975727590314071584178915644377484063457978922282574663028995114236204034684816904341868962725109486793203	104
69	16	-0.0372746500690424091263018098887708703705935365705675617442696432444169327674516672353164048196097956038114931272332231248	104
69	17	0.0230934346547809140379680483568362185058272362436867234767262291352974202390881373472207125840021426038645752697338432960	104
69	19	0.0206164024921003445275810347958500643254467754550138222131843541201359701037611274469706260528913572757803937028221097736	104
69	20	-0.0257703917110630525912314261035303368871747013100629015570457642393047216889469487413361861538706560071637026476139326179	104
69	22	-0.0339367832851177506433312649070016690360986150523596655441825752516946495364493672077333269549532251497427770094503986305	104
69	25	-0.0325803515769098114762629188515438869281726041365693601467330898772794847210953461298815526378931924929080206565899568784	104
69	26	-0.0361956166261470324400616760324730459478025700245633874547839656358442295492203217176171444067199136768314025878699384673	104
69	28	-0.0292038115787487872012089524952217934242344093331867108067444228669634681891347610469570158163691037461373840258501464561	104
69	29	0.000443492812253941018006699208615334254764681982579486018508762269747242468119770950908450752320159697248985974710382888515	104
69	31	-0.00762367384830948011674183047582056109056453526548437286232161538552020475360013013535544888556901844137961767022835358726	104
69	32	-0.0274485078171152686664719002672679286779746612411093069474583764004949973791907022882963057044557245659115968498878783805	104
69	34	-0.0275530875771613743847297243634777779758200597776084255306966750455681834055137122083658028151221667483784655120178263270	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 69$  IS IN THE NEXT PAGE

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69 35 -0.0301613073421143039140310088165743218054158324657147795402869282306682252835915353651221631190442956727073853640707612444 104
69 37 -0.0126989044744821340294001042268733439203058839064988151728417534328920852009079325678380082903779910540242585948904703285 104
69 38 -0.0284157371326984277276053063420619172587944553139524038757636545430689657803276590602484420588269654980137831099566469785 104
69 40 -0.0305503947401062398327103108608205160518685418551827051722725030590320642785779492447082587331523567249034934177961982305 104
69 41 -0.00912147716690373624521701452875336014447944439691505354284348574332399329549386751354073704199408848105765320487529474268 104
69 43 -0.0109804583781646629901258361889792146089006839381820205094192902284725313970630636933487378599668431975909240850725515665 104
69 44 -0.0283956520294507323404569448586912531938777124850772654164223740450779664768159611816456586603403586654909255293247754779 104
69 47 -0.0176983820924514342854280985921143169653190223507006339711336980636874481593414673732782240086568094462864850017905312829 104
69 49 -0.0376450094721719358794013692091360919652639954263784524719537786034533102397064129308395868525495346574354982175328966204 104
69 50 -0.0375598211876373283427155434268688720388979745274367315718762099780047681527880427182579090442397542133290718661415299480 104
69 52 -0.0389456060145691288574100406854513058983535287419889618713685025075159701846677178417552169954826601224202515885853313312 104
69 53 -0.0148671605980067155968389396411041455610144697960447184682193152075738629804230658075320251123404338024123908696400046454 104
69 55 -0.0337779107288633280118349857012998364818462697440756996945357827139557026333863562279383952136987433914668895826503726937 104
69 56 -0.0349183621648012841674412516738710284149749813686794594680077957925313180618688532805276973340412931167680169097916523751 104
69 58 -0.0341008835908778617504443586065808372754994194875486646862338181722856775822183565471403930190848102142115617812571586096 104
69 59 -0.0204035861753398360427621824617459226671437377135600002019565775210404411117593260306197765470222196255502199361642098825 104
69 61 -0.0170312217118517181628764363297112591469004237212674011106300863087055150850603414771253098317693741720418430836702344579 104
69 62 -0.0283297851505431034792449523718691835541166565577787912092544385351931642913429126984437088980088535668092685119967574821 104
69 64 -0.0353474804299990057596986454207045488364677161064929011630511884698473860117073095630518697808475221681730314109245741840 104
69 65 -0.0387796580719606551701416679441415622000951727734019896714975221898233264084808418584079925725578417631864714692816248512 104
69 67 -0.0241746639239267287176281481251883790294737511693785626174510087375401209091835546799617054230298924842249346710088630501 104
69 68 -0.0357301445353538512127777985521649328730351728134024249150815155396256074234365763879545153120270763244922718988466743734 104

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The sum of these constants is = -0.115314381355255766969210842550724430803505815506916735836921293321452300696834688836582006246912769275223625213961033461

The error from its expected value is = -6.380619254862561281 E-136

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 3 min, 6 sec, 941 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 37 millisecc

Total elapsed time: 3 min, 6 sec, 978 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 70$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

70	1	-0.0521203958993981521382366361631654945385982057112446802781822514033424825946568938630697616916160390355959446537484303994	103
70	3	0.277282138508591744958868544784828731787521085839871784810680171343048630347725019750647643286322759950203244288858438928	103
70	9	-0.0531803058279777840898399484017870539917140769951987873905984579343178253106659475231068451749867421082454954873511780798	103
70	11	0.0231704649308273892250552835237058193719639089514558709395040608330098061889880963341406652515812375583406014366346187600	103
70	13	0.0219693017630597206704446946142881302204431565831596504920201667196080329290061320077338860321290890093269210401612750804	103
70	17	-0.00292696553890656821529105783050076317984750603248152651001949529087761622273182861414084241323072548536328004932866025266	103
70	19	-0.00517020162978945827953489352098098688042570891076772706558837400679596746203259337108258896457871553072275512380735999309	103
70	23	-0.0188643078866810042383763259071366985499332942353186122864996149075462003087821437222584186315051622978562022474158617836	103
70	27	-0.0557664150945181069080440459347324936919166381559015239001965918502115155510122443772408807587144143131140312839950536869	103
70	29	-0.0356510749278322673880947360403525308369190789522509845269815566034271741350017457739561859263515690480138473698373251226	103
70	31	-0.0268476257540518662955516033442792953193110533752720229302672378792831087243703942467554018977491587265549363910744048659	103
70	33	-0.0536076197856363370324907581553225280025490001978280402638424252535022877154218947026503677709424905704258509195506518560	103
70	37	-0.0365819413446794650006200033565177910190231319990795289177887129313559859029955553077381238552166908399630158403175204608	103
70	39	-0.0590769813484675438759867916690054555414795354203419385760674761572965747090047786413258714478888832356314414505001806134	103
70	41	-0.0392709668858123642655196011656912886683895297970349253932083705776540652940571553254696484754834486592032163885847647972	103
70	43	-0.0407350376995100692905964834235921127027861984057764822879983142930454588161437774289078434135302693538587710850603487125	103
70	47	-0.0465376307047547443182334117927957323954466003464974309702665641748322567781213833036198808103698638654267213825060770736	103
70	51	-0.0653557155697281990732949676313893272190407932562071444443553920151318179087575909564125751377461875938137700032091321590	103
70	53	-0.0473940708580472952213460431516477584947141916089206012686897668040891692006794025252723019863024892067364625562536487801	103
70	57	-0.0585686340178308052798111543211243762815917529289228053673896312485877360459046063874260762047311911289527461905537544622	103
70	59	-0.0464666570415210357373936326819398640979655253657875834122620241103654994645926099137564476751439077931417635344392239739	103
70	61	-0.0484102108090957905918204188932159446115049461483442543768244492183338616517808354962045956850698154177652772286389535936	103
70	67	-0.0463790798044779492588146413222022518077137689141845889949614874532143090021451101722642679679554556288498601709854802753	103
70	69	-0.0648699967832621217429016724638899316403481092130697680310091337146739029123496895828634943895303585211467873015463822024	103

The sum of these constants is = -0.581359930009500073387430304248446998091290494595943650950792928932218346245488933143000225708610491842511409893050060376

The error from its expected value is = -1.2578935102443335098 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 49 sec, 657 millisec

Elapsed time for the final computation: 0 min, 0 sec, 25 millisec

Total elapsed time: 0 min, 49 sec, 682 millisec

\*\*\*\*\* END PROGRAM \*\*\*\*\*



These are the constants for  $q = 71$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

71	1	-0.0243079055987144745485372201847621465463505572064191461730233503380777113255931262446537114665661995684416226080542115622	104
71	2	0.489155279676915519584600280032716479563944058548296884386745732345270332192587633046838517063595399576313886212296209969	104
71	3	0.307363458824883084881439366691190438528040908147481181860663966768794681477989784664609858551540048549000077624865105250	104
71	4	-0.0233071035441493541370271120605234208334472924880954397135884964800014085903990216644333176143268173640637492096054715508	104
71	5	0.176570393635328642091283594507707589409716093535119381686849508351624028186647649275182576405521880405618803297348312699	104
71	6	-0.0228419159179106809617568485081406979847637525226411597089270530993957381867557909065189190903752385698429974612685609398	104
71	7	0.124331903562034550778206987515924080538584346164664869399695958312704344960467160805036932860863529918198669135330304532	104
71	8	-0.0135380723133937108543976348404483964963803099243492182667270228069055263343608532527645192655857451041345663971073060103	104
71	9	-0.0137863725802471708361786585884827246079520506746666804803452621233728795412493304090767036115992337143992418213520147999	104
71	10	-0.0234768875191335877972309282573478446448786435567327510617211772181305946621319585266138545651761418167108581643598201682	104
71	11	0.0634969505114085580139860445363177502833669142312841573283592822334900851188749913998016991170856504389286384519937143464	104
71	12	-0.0114218343525449882428317910313592918716406373629363511178888695612520765680076435993582662863920998720077863047483478617	104
71	13	0.0518160083101183975235442103314053865664663710985867127812950621906414191058912733766086244879873136576500234213984609947	104
71	14	-0.0214474176539921399467467793099181387138662378691406577069933086268870091415560246416592125395211201109685847265943996762	104
71	15	-0.0202962491400322708764356165756641102565491691071594076523247963294500476165923303833076651929569922485176199213869425366	104
71	16	-0.0227370244740272574520408763338365373760607519246435405309459025158609070424905950713954118867159094764173785388946801608	104
71	17	0.0359166371817882257661856392918815899093764122725139269531896465251095047772871782768924074416777284360519454967981649110	104
71	18	-0.0138432519633978007310761893023854633451155710645218481512899810883251372104001390716543531790787758510641371726010897663	104
71	19	0.0276864347293294842298004094112779757137504590603557436165218014530529622838160491473247870423786714185221131199307060342	104
71	20	-0.0221898846299986624725069566678716630038422782937007161909576621223681761487825589787912520795937062699992602116698020066	104
71	21	-0.0211759942585592350342923075935999304961337545382742012957416392057896627918224969640542390004712320592471515355267756263	104
71	22	-0.0250155273760863547676870927127826277501912040237452123463273823695567548857164057958866302567460740801640729860890008294	104
71	23	0.0230380066146517307529381957306490537588229225461154977750203565165323562191315221337725743677618574192272033985760904623	104
71	24	-0.0220312578701510245797121519927647022376090196899154422550549754479790342374138582674472679512176169317166513022129696255	104
71	25	-0.0184695670237361997194155321224244679346258505854870498239805994391133438903175087086512073418786203595656255311349269828	104
71	26	-0.0111254313874008653195779536140142512971237920907228967253003517500576394665169229705483494498654295135743265144409081993	104
71	27	-0.0231416731433420556082992933616272138289547890932512469352644384914905154008115393437146720515858738123281236801895474237	104
71	28	-0.0200249031120967942571744363887302305010479005192429395373438709166072751364141444736299262710819258355936219580718939214	104
71	29	0.0120798825072875467232628870516656330800719129402277314905509768791238897298687611731238360364214674420560703624409687565	104
71	30	-0.0157164795188237210732840808975829488999783298887563430776815438737478010815665314030314308512681982093711586614298338126	104
71	31	0.0148629329812561570911310863700500836021567244497959064171597629113913263201545919671121640177709926106848133035051383000	104
71	32	-0.0164250919111490602237436619267999389184017880574598726187700098074582062542452071800614678080478252331068542152677818369	104
71	33	-0.0215003863454486649596111889930575048905146659877163945136372042359814517294466864102505884677321266578828117319874179427	104
71	34	-0.0233001621837521016764102957460680203091412899521651999039513834673349436923151981200091844065778818454753375639537379238	104
71	35	-0.0242674320717205410147435356333808727085225877940302611354783471089895846193239415419642169700698708627217161084255790093	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 71$  IS IN THE NEXT PAGE

71	36	-0.0178753357390790148317434058743471421555619391756699505353468164315885329379721574537221102490205077190581884002285168825	104
71	37	0.00723642170413119690166005611998312982875695762116156447822671401542969575775508541200483602340285079691778511052926907892	104
71	38	-0.0135121491834615761452888250405410462215771461687240344270377158247171622146132233684296715551535695170557155254445584776	104
71	39	-0.0190456482193765549393371140873135506337885034008964642861173413068206092602565379285064821558634158911713766563663972247	104
71	40	-0.0267254638119946500749078349296562005457798098316223001440771198567345164252658611245440264735010325174479094091411334420	104
71	41	0.000420719821349342734079401083833314527744190120014929613822511506616716814802026552352547048844017135812402157770381656287	104
71	42	-0.0155103926589932356011284712447351743566243532574181152398414935680524516308160622235879847710615768126373624924968959455	104
71	43	-0.00368556798333679678749814083413826109386080185097305824182456823867094656194767460928644003724771366492440622585975985398	104
71	44	-0.0202588623430136332728520233800578694702682955089410742399223680118582521773470536035607776527717983845213009051822976016	104
71	45	-0.0253049330390758565920730219298933751508817850813279871258980777512628223947100045678349803798786129532805611092258502725	104
71	46	-0.0253068046056530432231180399117534225104677619166010037003152981096663156085336373224140714071171186790247869686691981969	104
71	47	-0.00276916997578144365208875947134746441662932463547538418035083717650217488330209548624644948421763011290917446392354013990	104
71	48	-0.0271218620240846095665827473007052657610606091848817275861792074192468024619195570403447653790182454738829599435374587400	104
71	49	-0.0214313218543523501263197046664725142847190930642815982203158459866956126167622591149003655805106751188894044700933538109	104
71	50	-0.0214446675601342826769631962659688907346450114060885911395594027116547139677963307082271503994465457770381910716593468275	104
71	51	-0.0191723430774403747983796417390947406668637914372707334341643358431735532191213855625753472871977822055872542694999428136	104
71	52	-0.0248811081423189000313292849918262594756898997838592313710773899877838499400441037430231752914826794449866133195004976395	104
71	53	-0.00477445982566909095795395219741776134158887376764058049270834940438399913401848764702452027585352960280661263718808987342	104
71	54	-0.0253964950638466764854065417000655128450904219370292003888193363970291261618391083037578147075587298569015325224559697910	104
71	55	-0.0207236034568020934662519175048830255554452517052799842979882550473123496123746270888378022567899817774473124449951518869	104
71	56	-0.0157155842635100501009989670385830377151466141567914855837183171499239199726039763090855530318574641630562299052651980065	104
71	57	-0.0217012236124020777355832108094218599056962394351436559933536414200805659127940815171299727900952140189081053325523222609	104
71	58	-0.0227148734734560336436432158948895496650184326763404970474511190166473517995377476118704800612502437520840531285659469208	104
71	59	-0.00867325708583346218273382374026341252795815908755190472565618150229168108267550582388363907084252712786982248764524314348	104
71	60	-0.0168474951189747006563176864066450950050686030342810459472095863846270898366965825704398892708824605229800615031624617338	104
71	61	-0.00936313874149946232744157099969317341547569983463126567756427122804988658475754134139382810192567485181908828464030932899	104
71	62	-0.0267496841576791316905068044769396219794516887965842316558937374323099080269206658489615354792069117945779380849529570309	104
71	63	-0.0226573179174511891949956510302460868699654995291910741599201521290406840662662565235994742530047295787969483523631256058	104
71	64	-0.0217419787080046671797300118332845948182267242623729553657378482523018339223691068354915100691092114853462719595351316176	104
71	65	-0.0232808959913634264233189237103281797349495871101136281764260234325423228285715064468823246476272859577998404697280965893	104
71	66	-0.0171932473508984753917242765365267076316089819902453871166826047122339519466777151608624036130965115525215979797898081851	104
71	67	-0.0108097075036199383503931398671845262947507510249690124745283365890003980701065848504985046232345743226594782983071979642	104
71	68	-0.0163906690300655447649150823404469327340217194988548539247116658874236635260923368484345913794060083841129110742561988737	104
71	69	-0.0197327297283537128101510109240165963703685840117752098545241183842741899063284138626781711179994755792638986405544580073	104
71	70	-0.0226625071177584016710577421239283390587345111183532891854567088696390692110881993643586612490010008498378352643233519014	104

The sum of these constants is = 0.247412705805389262628666275228414168910721577838663994924458580122107609488917505488790518758190312986462433165300040227

The error from its expected value is = 3.036495139496059478 E-134

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 8 min, 14 sec, 584 millisc

Elapsed time for the final computation: 0 min, 0 sec, 85 millisc

Total elapsed time: 8 min, 14 sec, 669 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 72$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

72	1	-0.0613386863852005526028045742481780471251839940103404512541385507958908162212232075186323511062192837083141825623127850544	104
72	5	0.135555504749699333023907340933942410112926008579999269086306878415376584176775693706386691049856876998670771641282643458	104
72	7	0.0934568306864639657243027310246971785789459634780062996825762913665127490564703427328685607553392231560080351104619298316	104
72	11	0.0353820805789846185525274626154657240884013776002461172089495185293257854789644586532137348449695322017868946214242882029	104
72	13	0.0159318256597611032142515151606884297436468630368421379669963971592244059414291293510418662264799417013905573037643691925	104
72	17	0.000799174291951536208304113709409587965847224960513648386378620245804316399688573526875952755339746024373642351427178214857	104
72	19	-0.0112400859786816405681793593666561310975873838044520163238888683172414671700902519692789779509794149924724472869491935557	104
72	23	-0.0164081479322636228550319184740221951336950649274190985332050229240886189819974411488478107288287224712337432576931225537	104
72	25	-0.0585047635077781877493557726305347389486154915597013572718362745140518327879018352289182569331163896706632196755485976242	104
72	29	-0.0200679207915582921070723617864584288788944979100393752764092308624429595917062174269090093114445438229707127161888753119	104
72	31	-0.0316856233277562859701534646898836983568519733451665461774756334561377529293439831496302726578989241945459823747444133622	104
72	35	-0.0559722116270825439242870410236819094159616578932474473130297127033707516978998048975812808829715142163092202125107872859	104
72	37	-0.0319057543832866284816953410907922276615432239701914720149367960667623786351637722689276073522701477539136032134172706798	104
72	41	-0.0356630209371098370177068232073687477995927559272418836478086589864011641832225712004738980177328619601424141959684823977	104
72	43	-0.0479667226364117303273207546002163331731295791858986844328077926571483592732862845164468216801860349773355932048776736827	104
72	47	-0.0462656119142513101644998730152469918785075029653512066072233240984012053471669322070920349259331064889370455625533809373	104
72	49	-0.0700282084569507957595335116524327004824250172234124057244157418235080136105708437134256047572585463683218725695907015164	104
72	53	-0.0476577943442498844538048417892981430734852836406550235355069068584269120127441361066883506792879055315864988986467723345	104
72	55	-0.0578737053957010838402656590123457728798632841847184253037946746147714017105310825620529489384865656844895816797493015702	104
72	59	-0.0476576342116788192941844118953683248005400379157863976332367457424087118349367463877277233426372495415695231534308036361	104
72	61	-0.0521801769944512047258008271860774631076347629244012417791498560391182487329933112097442474069851586679143440798526024661	104
72	65	-0.0616822351270017882026340576523237881092494356583107658934580623339521469296254523659636842651400744295356597577652543361	104
72	67	-0.0435554087894500880330945489314543909683469808505777283918484825111779364901460785555357691207653269365856451889075316414	104
72	71	-0.0553078237116868102237745159165007718804261948308300723583064898193519853487433691557008574729302309840904975211791098054	104

The sum of these constants is = -0.571836120485690549577906494724637474281766685072134127141269119408408822435965123619190701899086682318701886083526250852

The error from its expected value is = 7.337712143091945474 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 57 sec, 219 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 18 millisecc

Total elapsed time: 0 min, 57 sec, 237 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 73$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

73	1	-0.0205014404036072721530101688604188036142812244020174567298871482833508217509063915520030010552257649732797864539659366659	104
73	2	0.477542128514139680807942518957933926715395949279645921145281144057403358675496121545534686161472051051128198585179003352	104
73	3	0.31666942077850803193618186362212397395364744951010435073310791887348794604373965760942540023337450554536208426075650333	104
73	4	-0.0205855033948513132061589854594146457538244643147798153401735734334568972171194405482289367565240877864243324964175789171	104
73	5	0.183027427177185439980813322217933475498818137988153466735141132093221587297452575490589242865958157000090812771184356888	104
73	6	-0.0135263732315034472363353248015665332218735477131746951114928759742566961344366086804665356391405105787559178916368948262	104
73	7	0.117406481327736587913518411068504097521290102753902799795035006471462875878733940632222518657452769897189571886113424528	104
73	8	-0.0182784900551328575303483464793103768816455135280283641159345128011690818288389601063435543782252773882778222449313984922	104
73	9	-0.0235672102421736134711896224494563071486616241374325343811024936183975763806712993452369989675330388162799537789630658877	104
73	10	-0.00918825126299329207851274047318230542512496191963638675974276670845375308718025630230980739269198529579077103762244960280	104
73	11	0.0733480263599251265111535688843956606950008855322904508700501864912573515470538213020889850155707763135081624286882062442	104
73	12	-0.0256183700910722989539241927689592837119009834078055576381412476579794218094894220662178318026695417355880570979192234122	104
73	13	0.0515722653839465210416212320968890268077708657548885832995912392199265863746722755433706271940276608821412831610720630819	104
73	14	-0.0194503654472965569618032042256210765765187726577099311076818411987195667113110599288454903327098021065864537376030641900	104
73	15	-0.0228982871172775317408279309723372281988901587631351548080633085108172952927803584214247487627733172597787156579733546390	104
73	16	-0.0149133667192174039041243883688312991872331205285849309669042942403219576111835436225820251167486137618400774032598291659	104
73	17	0.0395937890430101304993322826157271403238417419115430804978227106985454326846677958008724795342115756090777545090743906051	104
73	18	-0.0223383985904027876059209041534905494831037961855251909001242484746008987987369884598963596822532228527488474450578996015	104
73	19	0.0305184776099296139293708601193944661371015930276293799159086413976182592184275940661944052686040736272528292256530959166	104
73	20	-0.0205688352219872105432883691418272418139283605774323294482715503458025611438068211059510935211405612781159578463713949713	104
73	21	-0.0164698208569545882517608798307035239227992428736467446575945102929475597011993311270817812581502224001109733800998514521	104
73	22	-0.0211648634056984150565128559312459396350499707551660943710231575423685625996419265801030673797574003189495080000618252734	104
73	23	0.0206457747457448879946853558472679368321715920873552014139043847170955247684635036271508665262513521170701950778701118968	104
73	24	-0.0139124720163216508949120808170306539049399487627313962536781379085314248487148101127697831486227811426433841400956993337	104
73	25	-0.0220252075460781859243245665719774376837514814942322833436926519293680552991191563900009947318221868414735864884789849255	104
73	26	-0.0245741002037659910358847029709621449120008073859635666322874943278851471754710515598849278223167641455862609613953446814	104
73	27	-0.0203687239831510792255960130288986307277761141485789833610986415694968548653430406340641743299758076148280020787576780249	104
73	28	-0.0157519301775100710454345260883373280033771124766193278592949993899987814640839921505123766537767702387333968965629439378	104
73	29	0.0115304846004658957614491741109686187062459058883125635934377937067770958186412937698322086141154708295507695702605939020	104
73	30	-0.0153545719071587115825988035070699360114532166710012093991948119717054598358750165372047520251286622992856929701575485088	104
73	31	0.00710826190146472117935260078255482181834252887372809254567464784830522959279238799143566798529024198423128283502182025556	104
73	32	-0.0212183198521351352693444063409289674164912931892131686745449993325380748730037676024148591574614723538583827182882654372	104
73	33	-0.0197432944102623360027759799988715151339977445472422052406832092699618235899155825816361445458091803568900297861646133192	104
73	34	-0.0157519560709465530494127804926749315477676939546368474089829571095750166488286493062844626354926632939221004967652803018	104
73	35	-0.0194147827647483494041954765057357881463393278054816352327693576521211444237272229107207374394163401012827962836849197613	104
73	36	-0.0113508948718741767066969464533538326201410367210818780419831215264445256853908696265727018371262677716055456597000137861	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 73$  IS IN THE NEXT PAGE

73	37	-0.000765762782597748358831295935009997365522833532488422888719120638379780989808972391322770388256451018901673372186877907022	104
73	38	-0.0223849015130514805931910853918107189823826659214878831413904581166414111429418905046966184815451041964340950597217471996	104
73	39	-0.0219191663884378303756749282570870919433206067063852603317841919924570090987423602748995116207915579118987905526556933437	104
73	40	-0.0177024592549535258923648766197909237136673857030520870836972678837187488557165333553794836003172381037451066969789345469	104
73	41	-0.000572838270781219117268199081500369311545933850835606396068999308086247557219796094392200993255127291734199162715145630105	104
73	42	-0.0249081392320720578095316254045251864448933212505412655852002697436722010337654844342405513561255272562866063990358048355	104
73	43	-0.00142401294985354922297549955517662735968728202640880370003441233279740594891385151842973502409508423283058303265045019954	104
73	44	-0.0196075113787440804443211561418076097451413085906643524611171832998731265787366300870002768779488191004556368871418717462	104
73	45	-0.0186181631063882726525881045399296119018652623049113184197950281672584337839298415282057622554769102434823669033428120317	104
73	46	-0.0241957215295119008910321951455153221944130148699755182021842266012530092669836813599471140493516504451594216928909344564	104
73	47	0.00166652948612916939901507298505001130636019842409141160187664531953870226180569002876489612728094334575066947125943319510	104
73	48	-0.0253600294172283087624665907769104749866945889413644033623997768184220545581877593951445340669365574844249299307367006473	104
73	49	-0.0240122852171837425263706611599294712403818134812453715597615553631385968277741054630778852475196824889966952152032136038	104
73	50	-0.0218944595489422424349747930604447434028137386807504935653095418995079089813045608160470631982747881331660583741050745457	104
73	51	-0.0217999986774731073499516999198039908625459282638548143756463237673851858315249486537935143847989283608128799400685853764	104
73	52	-0.0204942664326370116120022828162224327631889012671651408379681233040810390327210768977165422753274316147587488657910966349	104
73	53	0.000127456142875456258517398694340903024628667339725963287275987569457955786454429075300368915029274517733072558299145072166	104
73	54	-0.0156167603277120048232062035836470008708128844235813489494526941609834759970408112048016318442018328535686663282478619239	104
73	55	-0.023979450843605157800518611706412831799820090639892861359724370933675357816910898600858298768129888888841551483562922370	104
73	56	-0.0226949104568540402455605901228620596504359600794074080907120595889500067773015569292789811959333527165129178022107189211	104
73	57	-0.0213710404182052598197357368871751007432198562597980006245960222340523698369357914682767114293746461948613622442714800990	104
73	58	-0.0139352257328980520186985650175869781726916390063086139849503286492052451026981472916174492495646329664138846732395239474	104
73	59	-0.00831635876573309244892338558841809178774902993414426592722642556078641763844406974189982900036441895336212123317018594998	104
73	60	-0.0227543057352532667174065755311381421312783656312504593173319328101817671350343461648259470709835689972761801439965379592	104
73	61	-0.00436158971615134647166278356200877508094845026907781496132854300441581074464479868851990161425180817717710325055789148665	104
73	62	-0.0211776920252280817460298204663056882059532002951302798062866025491466122527550956251078756274854806386684359691189933401	104
73	63	-0.0253249775889458713347548254747809604158524672031790372866165484681747753903837637780275612337357423827584999021663254597	104
73	64	-0.0148760236173326080549489133330342434324929684739953903263252165284539592082056429120642000941413223728924112446517352644	104
73	65	-0.0199069006174932962263221180134109457426755581217141484194352623794864368062215415695255347268408193980843425751753184015	104
73	66	-0.0154128389079963284424607701370348287328369273519780813287540321278688007470535889543656009529310092751231244737066767110	104
73	67	-0.00842326153499682951024690883438414537841876878139749530829009982238903537605158602392648657764622268219103920395342194673	104
73	68	-0.0232918694762986318523462832950010993129088751391252518131967709937993954939879584438385479968997620011985369585379608839	104
73	69	-0.0252476545464894198096764969468992843435319869532220349316838260418777938050235645276798697050250541955213709967125381863	104
73	70	-0.0254031409311206264649986749549437018471866151507955960435386025026974483009087333725972729895578047884843837148828200434	104
73	71	-0.00924084925370372128167465139639935891422542147218184999099048897744640835949485396472756117139847767772879637263855586894	104
73	72	-0.0274275443204102388797787317439042478113751704750173897063159932000110230103220057621531913832392146568280229694907422031	104

The sum of these constants is = 0.247798582710656482385563824910065722065265278398185507561927227623554647883669579577156330064383637316001310263505712618

The error from its expected value is = 2.717717699573266791 E-134

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 8 min, 55 sec, 453 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 86 millisecc

Total elapsed time: 8 min, 55 sec, 539 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 74$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

74	1	-0.0408965351165256636939855003524976812413446255164101067435294468150735112583169308737101397477287132203967379405225778131	104
74	3	0.293407614158605369594147966076884973005174907783731507243075467565053568713240380346642612570626113626833344450603676437	104
74	5	0.166812809765772038822456691403931846365693342894133906846506810354751887791585981341704849131231816533318086846964892619	104
74	7	0.0983329318873777323650058917602934596054194907571376857274655795778038253223792407985599394200571482607623976932836677201	104
74	9	-0.0288646450234787182828029877066835736158731305827031393194671040269084774580457280700151896426338148940801798168422856273	104
74	11	0.0461531938244018542572792807643159134754532050041770997473959608059147298102864886671490051180514847017762595367661790952	104
74	13	0.0300618214368931487055407413219426317344591197037087042503846588552141694919997095647237104275338678896688578302649737116	104
74	15	-0.0297779785067041823376267634644956494212009927803499461039745327437365111672806003137185711787358562730723959444631558726	104
74	17	0.0177390149494175257633328763621557934597232343804085105886362127006979134612305079236518059512743776676069708518968821536	104
74	19	0.0150900794167177934525711380048309247156572515679193080182145040617845414953744439637245470670789376209940711772216599370	104
74	21	-0.0476900043904828298263795855666786763907150479826060763293773891229675901995889410480439968331707435117678629112601458262	104
74	23	0.00366153762257099650026436203239386739295924569292300062490445034253828203809693955116671359120990579004586007383766220119	104
74	25	-0.0431161006403024472178356367703641291688335844749653150343850779634554452760233845734461849725302969043032606684073435361	104
74	27	-0.0404484399497709937940934622969871672714708259862408412515356175868098551198576588658589387935511659974091594876511605457	104
74	29	-0.000440684376176277912590949391854980395719291253525326232456681432586051651569968467454993806021007983932699121007685947123	104
74	31	-0.0119501482944057284833580628408430625673649763272500523873091235027926751677895538393350874705787002156145768600963482750	104
74	33	-0.0373894915910707174228146427445891265537722746607460298303963077050992577184346798518100515234219231896226064258745849607	104
74	35	-0.0339639741188330650275124980707299186893671677748485732291162040578829460633055939923184864590089270958106863812652318145	104
74	39	-0.0380682953495921228092649175505329867734346750324420997538305450462060539785749204655334365676428658523925517335115481032	104
74	41	-0.0201720668320064912683468257357616417600182170429632720867444634824082533304376050216210058071532363012967920861239364815	104
74	43	-0.0209013591734583716635025769820653559597419491601598056773581231967279977070383655386224332061577964202642496180295274852	104
74	45	-0.0460104307272412868649569716993441336618707524605595646852898655371522554287896334767634743632010961324538266879535885075	104
74	47	-0.0243511049856646325131636933477893225018033627521171801649572468228718540696073657394780441618381488859143864778616495436	104
74	49	-0.0401933371541196284412786468133921092547831686200804068691204539898575950453898399480723066779923333391826315786142107172	104
74	51	-0.0398743713955425886939205851656566240053303986008484713201170999644390749054121679440291587934210883852245232519473702597	104
74	53	-0.0199449256097319268336594779514621562024967641530658988752557750384040862790350028316704140902107669034453197024254554199	104
74	55	-0.046196088222085558322622975056140028571950842669248879121990365200107181908249233137397002539698921703418375972905597872	104
74	57	-0.0414005037188896626782346230865237432159815566278001216373364433883439519240288479626318060112148695598009737514366963508	104
74	59	-0.0294157733589858419306565537879925281832756677179689355391818192848823379673114410894329296042018827543980160192726227910	104
74	61	-0.0282743055072260010019894442525555467891472749857151032587501113294895033376203313123435639515711680795895931165020256867	104
74	63	-0.0360270240367129946419812246960737840987648540653566505683185591058603647749814285048336761937061432328997105614871223499	104
74	65	-0.0435483012116633258726922105795805504466551631880269384262464046304639631745449080539854132825215453255999701493663323937	104
74	67	-0.0346649170237993725402234526094659003066388883773501742805075460478488162388316555330346393128955043671568062095711234931	104
74	69	-0.0448960789732201710679855819255236981602614179222968857612659575974104128865219962031108292880105839837777051012605079542	104
74	71	-0.0325561645168200132519266978181343836130456949768302573676001397088528779846556015046752848131064866949983639182125753898	104
74	73	-0.0357557674366300908271532654318881446238933692598154832359193817173189959500334351309178220636474704286540051198021654879	104

The sum of these constants is = -0.265529814179384243271600188418331167975460378765827820834962813102102516129658817312884395592780376012395579777219944546

The error from its expected value is = 8.329294865131397565 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 2 min, 9 sec, 314 millisc

Elapsed time for the final computation: 0 min, 0 sec, 29 millisc

Total elapsed time: 2 min, 9 sec, 343 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 75$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

75	1	-0.0385896949322559693063799530619522512093983243457372917651248687896022639745172983804801051964364158508345373347893679199	104
75	2	0.459143490708009153598279623453254202289684052353231039668702232967675240882566552942710653066966923701765894187048458421	104
75	4	-0.0265495312729271404739925747341728205357598805961117419590409200373067155211390159571759302011224732880232820006971818124	104
75	7	0.109163579260307044065729142517390348233361724964677034292714385993860421018604054200261784525569250804823354998161444774	104
75	8	-0.0268652979289423040879443528723597438352044113053624277498055088253051316803725962807350097593580525097319485814994306544	104
75	11	0.0507465810300101929227149690437735557950079226659807732163183664746339802750270111877989880664728441757670788866874180315	104
75	13	0.0416150311399095214658246133753298188216619039015172837453398649009856223694106891263416992407553465131823644099703195904	104
75	14	-0.0288703243899723559563748507234063744492727549570690647972095069236657353216828171280421441023028932007708423835064513959	104
75	16	-0.0416935666918755940981653918469608668285553547173465864633449788937643595040558557793208982371877622295825790707900396968	104
75	17	0.0229226171957627920225929193486386620344997735177238120846234771272225983684086839411686933474358073371239955895740291884	104
75	19	0.00788074740677054118697412318309271473064028200596594735943869065936559834696312891740334679129765991505282794597605937202	104
75	22	-0.0328696508641808634044605786228753139368994617682413865717743544539559777545484570468767337057105063477013336067384144029	104
75	23	0.00338746260364564958130369128108814575818391162970318649187536957667666198455676285639100616202088567566262093542790445602	104
75	26	-0.0292866344061318540789511625249250569610485659345561902145961514524709393821585431669839948349340779473069493341769524346	104
75	28	-0.0367417141117047041898497446872636053614648196986652007327740984248680891047859880231642634251101987292409902985382862410	104
75	29	-0.00615684388573897232601851397231059032541905411418459516825927136078708239555762858034807651354843978387627567450957934526	104
75	31	-0.00570236794691334589421017621690018345214218358833976289961294164377261499954554753750454458631178633488755211406971203291	104
75	32	-0.0325754935802395923333145375416634408167486468328040747435233157074856759050940693929438844152135057972867741472899875068	104
75	34	-0.0344875031187497135594646718171662992281689996299399091814148946301930928319597597732608243102645329668786566789602886373	104
75	37	-0.0139514949754141605527868126414606903052814348998219636378951200089417989785581459315084153626173542305225936706560304487	104
75	38	-0.0326022174551577496758938002930906145214373378529133502270316222959547773361919061274660730484722155278929416222481084832	104
75	41	-0.0148727911292954070420622981927251565742729453915585294286685552418249776774625430694045399980327277339729463991353042646	104
75	43	-0.0175978115237723515268739356152399367131722425528739045025036386295489294026808238014009276919646236465977127327335588670	104
75	44	-0.0395357865688641772951438002943631085466691017825582398858250200036713164834299266554312919541538614316156995259262723181	104
75	46	-0.0386263813812086046058494839521341243405828981033365034058683825348972209907274996770551336580998956159478123332304242073	104
75	47	-0.0152011379267560702450575688103228792510161704431716977620884676648880575366902408718388393405455367163659249321779445596	104
75	49	-0.0393677972206650680451474720762434989263472475326033673714111673473302951793615450142991914854118991472321390813724985872	104
75	52	-0.0335628157399870912045074366182545207110120068486297213579482894270948417285541166546101849861935857119699182315825074032	104
75	53	-0.0224927746399570991314918887731416555971745220034878880119513469910945391311447676547699770015407264687073066213859909621	104
75	56	-0.0334732951212824103931402681031645950951020253772421016150743234247813930248847637352061548697409766057082748016878008548	104
75	58	-0.0395636373440981331880138669158585534158048989365068204504108065490639950007955224020436222552304012714039144004887300194	104
75	59	-0.0228170054097164913593629962245526469352196002731239790265502107088850370088437646642667595791907251332636810674691052651	104
75	61	-0.0260359680113140182177177269172407035615346790949093041477427365248404878026302640564755334337922600247379515481390900279	104
75	62	-0.0375192684136160310435783861509021321734089826826760394841244925277426679402091086818727466883619591166655168744876180384	104
75	64	-0.0373746954649304909358339470394657464990779260285395947622696885370173184829998549901232587130778695619736270579397663766	104
75	67	-0.0294533493119099627408535366345347865958611028802115500064513963905858027859787378097775413086907323277279810866808333780	104
75	68	-0.0404401126269563788398202831701045485677500443451989654937766882891877185401346296295814151155153217929967803726733889471	104
75	71	-0.0313003313969919724256064519018061487572515654496016597596190682294152529036794693391394008880203537073810191792897936478	104
75	73	-0.0233818574045230238940701369012748756431893141943575472066246410014988902554906180176121529227465880449538455284248603298	104
75	74	-0.0371364776340563423493869710793674522735577519492522442099650336373859491156361809605473035107051416383207147430765656194	104

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The sum of these constants is = -0.271836120485690549577906494724637474281766685072134127141269119408408822435965123619190701899086682318701886083526250852

The error from its expected value is = 8.071483357401140022 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 2 min, 13 sec, 931 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 40 millisecc

Total elapsed time: 2 min, 13 sec, 971 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*



These are the constants for  $q = 76$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

76	1	-0.0470812812167463048135903806379008550391603524656404881078542660715985158849626787531981993700857399816279788473169784992	104
76	3	0.300231257989863772151028196786536580999283009185750641293319218377861151185222329323778418484942260933006193052250711715	104
76	5	0.160820278684180738661443099597948652759868480359554467390799819939641318469599380452221290130276426695533121157926195806	104
76	7	0.109159795684990176492494460645158296053383660968374852099142099391031479802888485116969246020298037326567418606060663192	104
76	9	-0.0432252606448517122279724224844785130463353328232707478520921452413256936356073109971137757059375936201277338544875333022	104
76	11	0.0522457974982857912903096110834637372921112603030458011805484143296225934786059639603675476756064413223273444482392136771	104
76	13	0.0441559683256512844162726766755563547727908477337616008356326851351031470447135107162501168458966076074644292870749559656	104
76	15	-0.0458217480130905184703930685444169627602642575450392541323332017352531113467244782080737164491457512643225464997486081276	104
76	17	0.0100934028958680065157150121690932914743677400363454133995554230231748997453019826668763714357670244881927373464757442537	104
76	21	-0.0331487388611644795567953092999194143644801241052051456424878776505154745949536616914494589805518481337438524748381176336	104
76	23	-0.00108655500060142878183900199437110507305178614936737430765803236808242301746129597738126800696429437617493154626519337666	104
76	25	-0.0398435767452682097322233118402790888040037571501826483381487199237198624483053858800126034843442130182546563152780083675	104
76	27	-0.0326961431064828923481417476361217688013977907168885371576894468564164954193878946972800347087658177551676097558746244357	104
76	29	-0.00527200210948988951257228102886548621796455561061283655843620434847817626807970089614077553184251538842197513268754714929	104
76	31	-0.00693171421858299903702855777904278657312463387398802141962071784510942983108418896403771392438128296359719758152601526158	104
76	33	-0.0385849543402283989344573541812996739707097706114973679980019925636894067209974786349742071790541397320042057887475902959	104
76	35	-0.0446111058174332503134344557521243652704506825599765535409194917762572621360021324304864641196283341254428795819676716302	104
76	37	-0.0150614519203551066239168051387703932473962927421671062229498335094283354711036964417473338731004739871996967232503200875	104
76	39	-0.0428869413946446457101586579765741100702187998142487998393183328752221432754686139577268406046960927223005357137612391403	104
76	41	-0.0156881509472700580553268139379769551921805848606685955053968937207725580054753622073051745966100042638316369733666218560	104
76	43	-0.0197098976910891547604673530975736117479036422138550569473047883437365454351296949641898967580252523314637094329392292187	104
76	45	-0.0420801902698734744387248136553006964376498258178617447922142323185097919001203264814301733975574328702071290286840495376	104
76	47	-0.0250690754317292148024903396709337817235329730448968538782807889680167613811851819974687125707901362740674833657528002987	104
76	49	-0.0456941204127259752066027046551827899342763177332539352901865893869816848601518759610110083901780189182343453765809799699	104
76	51	-0.0394076579928291463384278524218031997349624796300230464373717254937141960985842480874042555748087197196412003808769025071	104
76	53	-0.0256582202619539203588006274378490669817206676584874413218073356461902638620214851891533758654322094793256934379321316251	104
76	55	-0.0367572076463317916886734793873693813348471602652801008531295273027993722380391021459752223938624918481841384521331097000	104
76	59	-0.0279732052311489494285715505563375942778210298617060104442256982433299703723878155684676787236412370485325003025251743341	104
76	61	-0.0249235268291138246751396243594495582790104477978303037790767322290356407713479097803957904618268961214169465998534913573	104
76	63	-0.0406482233501007761966933236746053524934466816850914518812063652250672992533365321961570867972622652487599563519011531775	104
76	65	-0.0466939836997386448657064147812138518260528279621919111085673612446495051933580232679722390729695342311838570437034186465	104
76	67	-0.0334905338299032650330385476158288139223534286770308503397287096855507286256021456825598724947818491323009529991261944225	104
76	69	-0.0464448650581596117823605661623189845943370243565985782323669522402467052203743090448835475593657341136819543894369922278	104
76	71	-0.0340183850561580777101924323771014522839843955480899523720149894564873762198960383591384080083847803231265140862113587886	104
76	73	-0.0324113828149356174631865002812168284359535526811315518343789744629269166100136190639386147408620521208561621781302663262	104
76	75	-0.0349207672665640679575414989302030329142787533109197249247970984857668537844328339426153308663150151926282374859486597754	104

The sum of these constants is = -0.291134366099725637297204740338672562001064930686169214860567365022443910155263369233225789618384927932736973802824496466

The error from its expected value is = 1.0427275150709606726 E-134

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 2 min, 42 sec, 858 millisc

Elapsed time for the final computation: 0 min, 0 sec, 25 millisc

Total elapsed time: 2 min, 42 sec, 883 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 77$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

77	1	-0.0296685619600486163109685698558795244916047702793448893884716075828370576018867890368802801762749379106268081006585207488	104
77	2	0.486219220979825486616036747293900101882201951759157711679593475333378647672637841951576053345060565423210484305533630476	104
77	3	0.313672713534806466237592702976937107026418423381425582798191770685548234708786318001688558661766723857437891673974349148	104
77	4	-0.0301848333674866532177241377227614468981362433233122073501637652033456036238454554409695705492135461343541719680259644694	104
77	5	0.174009307014194973636192353808605838979001545636511638668189212182226666977624847946046495533658150489436111101941501414	104
77	6	-0.0191256474535858510199809898987988239396584769068266295420878794421739915295626291839282919364609764330428366650599788335	104
77	8	-0.0228887168722688227886022531647451174176812498276954952481443773194891761516234236595003272958244867836183829358075354829	104
77	9	-0.0231137766452569649516388361474724945136105860235221122683420401690633133421686905077028204311457057681724087682612435455	104
77	10	-0.0271096637087217716784263715236668815263428220647439906774282080815917460363692914379534666348124072260361447654757419366	104
77	12	-0.0163120485290731406606280036474516641636110679917604942055440993083109129701269742590210177206185378910640089326401769559	104
77	13	0.0525313679446697299935824673206077032687413664420241812341024530775943655563658433969977757087266046946348408914987682751	104
77	15	-0.0306482262654821358345742843328482811309168643526657791451548284415921696773980855958567674683052627391463900845795683706	104
77	16	-0.0276358465201391493096917270900048111655714798404312364903619031268940341501310665082525447805573027346491196660408483277	104
77	17	0.0300844746924123619738778029235757186309090621098978018978156235964409638372138409289706533982441342023272784442475125284	104
77	18	-0.0286316717879433851460284654657486866530693672494982123078268850851006344455065001600615835722169888683286835755283954425	104
77	19	0.0264926453570465046385205114556023352699859453816548327072351129430378795363947832783240824507635968616652289761470725069	104
77	20	-0.0167064871318642110842147349786112992992210070897417766236467993777312855347617830713188643490974069681107595416933074844	104
77	23	0.0150171262249962595175786701206759651983899012615287423901234295770315389311136897418301490892471482752061084540609827725	104
77	24	-0.0186386307604012950299732915922135083523357969670778797903301739393593985061528979614477653539566318922815340098768990760	104
77	25	-0.0232307845326286337586822188988320374188816588117327867072651686168231756636283842231510018190732056899649932048426339748	104
77	26	-0.0174262687544898382578738061717021392937575863324731086161694724185889902368979125733163824549492244841818475456169572639	104
77	27	-0.0240083175122594151893324455396173866496527058241040284923035430136884461674929513711108242209341223557390735758315552879	104
77	29	0.00801799679214828722230024407344319194906872749377909003384285187888978328183769629408417092391753943618569252671595776383	104
77	30	-0.0195912289516653525536462729736578721812410452853705116866751214438096780210649042402413512782505490011816363171295390842	104
77	31	0.00197458112257720980252431127259481319727654654486557574553956636739403174638834751031178160818240808248873612621003802252	104
77	32	-0.0176808089938515137168702798826977232018009788933293104666778850319741749286684098647846056116996023924515248529450993135	104
77	34	-0.0284722541750723443094228461497179184217856945310872210998667592644668887399530646082428747181716463116469891800439036625	104
77	36	-0.0208508933110831184559663625732994878119614971841388102469842911907869419210690020658010791682707160903019205445286667586	104
77	37	0.00366782760129165911647765067871794610808256013116539909488621081461385586313282763006615671068899604194502754705779407144	104
77	38	-0.0265650987785985056564558042001963363624874350041171804905449719151006719040440725710111152092079832822683386681194141971	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 77$  IS IN THE NEXT PAGE

77	39	-0.0225181869782968802235389918022432437036565796948908374541406937865187315473042535060749807734101680275952502952685878378	104
77	40	-0.0276250011050919433297516024758474338284541958272029848626518506485353985814086151097613424703443962752455114025751207208	104
77	41	-0.00229147506937477863695836022278386221487779074572545596035977761412735513950057038258244779826008303755497196595302065576	104
77	43	-0.00205563187847729737044014717801263689133414160724410194093863731613832328118244885745537529660935072474482911109328236269	104
77	45	-0.0228029903065982599431032025391148113396622043529876863887898425315771503457597269037010420633414275202332925097377667726	104
77	46	-0.0253850578827800281685921902804510003181885313472696940293376819231180150980938327448663378942795391911978117196834376070	104
77	47	-0.00747213013128537738663742812108893998179843257317730630247387822514189592537554808640840217540918954361898859230024972457	104
77	48	-0.0281215714174285737132957719584300590003190700287490868722245316968826012011756485325172757354405259883946414155633541571	104
77	50	-0.0192081238455145590245135441517134612896870762672194766563772014570624641030189610286510059954384631574405159555997441429	104
77	51	-0.0282121883842192028242196579534120145841317065939834437536167611767335434941423216139555147056172850388537571986244153794	104
77	52	-0.0277752884531963147571547863342409453278423562034632734675190305197923846678508471194816736506029377148177278023733439677	104
77	53	-0.0112712059989565551389092520478708835569410774349562620921123715187986586711244584969629342508265216227747621186319468399	104
77	54	-0.0212754268293995654143753997080662438084668069403263950966683793808821445237310493124429174305598306678007295141580266185	104
77	57	-0.0251651798511138862190816786761502987266462946502150251507152296470679891731252602203419392365317301831917831907589710470	104
77	58	-0.0286053002241243582264717262791936619216752601009378655708036819288114601027946938930676056722553873011579725996991874823	104
77	59	-0.00925730433682788396618778419687150284913073275834837756942682746166060343369363250316785199280312859727412647081241241653	104
77	60	-0.0218413870639145522797542478531772558375629477885865909722599772206405654847218089481729657488863845363620734868657965309	104
77	61	-0.0122283035512526918253978855191289545937559687994468038487346068573360548429165157247346573108485072005469713968977450722	104
77	62	-0.0191817227958639759752052178269755802901330165071041869334471627135817461808612153073330729160293489407293952084348807303	104
77	64	-0.0286561939027700083413796515887001381029703448992970609453259999003195655375068047071385351782182820529025388795747694202	104
77	65	-0.0286062497546703468002596490656399419311799320887877922221250568365653073595312789619789730749309793857036743875085638096	104
77	67	-0.0148987641448353729720445650026414121106632177915405570455089602012825825733495211531941754740392671930778488649958239324	104
77	68	-0.0280995189673332400726731398337014414830261305518484500738828305245439786681205443945191959327153319644849478325196654157	104
77	69	-0.0277369459630587381027177693803661976421888694673080394523710328474717705984867811878015540500169124049116726355912044695	104
77	71	-0.0159516114499611369735127625003287604461617244241534037722824325719989474267339445758187283446733783606338330233147581269	104
77	72	-0.0231218549551044829862964438807440876709756997046229642119207288314985354282526411077895120016942833505215349476823021742	104
77	73	-0.012541902831339732270613258586948439064056836191199200993764921377788694624878509682131274632697819641994777040201714977	104
77	74	-0.0249460572385627335998569345718168658639520755659657085658303719030790137775076613755745295478294577658609517452260958696	104
77	75	-0.0237889174325920115494550821495365489860435576053683810458210204153895443727991786377240957199376147084989395158836746662	104
77	76	-0.0248250234266947142084749563153321595911158559242243230901888965304017312929841570300027075759147147386416146372924886002	104

The sum of these constants is = 0.0277309790814090175216606048424620928178004144949654399582979801586907446636019759479088652004804172483976810160408487147

The error from its expected value is = -5.717697773837879590 E-136

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 5 min, 21 sec, 609 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 63 millisecc

Total elapsed time: 5 min, 21 sec, 672 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 78$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

78	1	-0.0544150300747313383827161426970038945340062015625731928411199676108693357012980701412973239865552897406615038555208452773	104
78	5	0.141980978301231314683276705049446641394068714450432972560993898625067594870371612351526900546303163022656420773088439015	104
78	7	0.0795104580446772217182944213478570283508429279937618686378034756485793285744673496312040284496266897307501131740875784106	104
78	11	0.0351003379054991567928449805604752789995373682914541275683787283017423523744477665560005246336890064867565208047999192007	104
78	17	-0.00453826087544348396044487576189568561279519080949415880720738570075010041193957254359903848120176024064425252110257384542	104
78	19	-0.00786185844325869566659120022172997782896391861724055745646258346486366750327518325860062065249629453246114343442137778448	104
78	23	-0.0124631690534506350301370113904825945643337418272801025796916843034014123247781329538821797786596145470379128972575526276	104
78	25	-0.0581243810207459383640563019555017509681844580784457725083181608812044715090372454365987844441752321082248313610649830347	104
78	29	-0.0270586216004553688028443336640559574303720692344791030842831161482920010899768929905437163607875002754904875509311468925	104
78	31	-0.0298803394337857678868833935975175701503860287864996489399675392788851704490592922410595563953835292428066150120936219100	104
78	35	-0.0548045111222561868022129723349733959006833172718681866596736575828043940785502015539104882589762743549969364150122078907	104
78	37	-0.0382400585981196219570938701692763534202837138301258829523454240946545991672121351000681312599287816017893730722177986190	104
78	41	-0.0401323728707853545364594809755903120497157890679971649447813571711851938886858792658845004799779874258321824925528623139	104
78	43	-0.0459945989750685459192257387089186431466237486107244630929801500002804064788506820373450601663936674294596749103009135667	104
78	47	-0.0482711271695363892787808993829901318045509200086744509430270862118540733994579550553686587624800747444701228428163469228	104
78	49	-0.0625407087664201913542100549743954739736240339868682639688052953979979226184675848133776881004153506176746683738793756194	104
78	53	-0.0462707514061093124433385415480332066056247483086325422003219783316959326077805211394522038993138006342806688867298341927	104
78	55	-0.0671621258405927639177835818713861803563157286416698946895076120645200708227160273415224744192468981455411339395558168343	104
78	59	-0.0459231434298270830511730272690723063199472684979197963376086603130697465282755639822567447699626647623480705699686540066	104
78	61	-0.0510428073342697409080043003007927978280591843697622706337582577732069764892663617897284189250477393512997353528160862375	104
78	67	-0.0517462190695606135794914158573956691966596203153507991926893304686083632577426579554065383437981552721164152647218119221	104
78	71	-0.0473004404088889108385362179544297078717302620008600403478892341788310314798586459967261138329980766373676180632340130735	104
78	73	-0.0463158869206440559788110651402015355032482326615899364634922138066363202178163650479587857554554567089498210961417911801	104
78	77	-0.065264559246225167190451252829850201037030596242803790341437604123263831308129958436412051532374470108488696000856506507	104

The sum of these constants is = -0.648759197408767472654829571647714397358689761995211050218192196331485745512888200542267624976009759241778809160449327775

The error from its expected value is = 0.E-134

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 56 sec, 357 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 22 millisecc

Total elapsed time: 0 min, 56 sec, 379 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 79$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

79	1	-0.0211172767674688758886372183938226652470181161471843642602870840280798453666727098541806138595952570758729670896172051960	103
79	2	0.481924353601908173402426381279553280339931381440354192915444601476085238266985858506723892919295615861782369239101092277	103
79	3	0.309616894866759977359545138182097719507973296061715918684158799106447484950199528401246488945332724089943295023097102482	103
79	4	-0.00630329160810724756620264162515225365934388014000944933806887054811178000317708161526420704942554855805490246151960655822	103
79	5	0.183607316826895883712519997928162850160578276672985645237192513502314781646844591950513017257260396485125630296729324498	103
79	6	-0.0224667989717769199652344520761809306117048403161287765232048592257303476834443148406112819621452381168127663233250028688	103
79	7	0.118985743117645969604626495686353405894061251526498812309934296631989131405861819905611483946497580862042504828930498649	103
79	8	-0.0227686890614391715046192595677852253579074550299575734117854518097979283409736585313101231656297532337174132489285638274	103
79	9	-0.0174033604726946343887425614236528707493744231271418431940221783703937293665961887131409785270208842140016220858982863147	103
79	10	-0.0111955501206754495598935473708281151936025901008515912423996614115247933136144449547903121138230948232147396077007367311	103
79	11	0.0688264791670003394537663127610661087785416283829112474518469240720054147076721965918077611713556470743124775642807148972	103
79	12	-0.0232663547883383522276058688529071874464175846283307148458977889948768684389436717777609716549488034562235110358363178587	103
79	13	0.0536185702996059933209108700693639158990858947753567787955842525502172278506660254397308896091170160257691270329254277793	103
79	14	-0.0179633015836109925178480593802263053905158227680741155794000727367813820581867947079358453821247956829106924383943869422	103
79	15	-0.0141857258124505462504403040495641115076089415082113087211074655625322123879917269635446594029870655554379805075143455859	103
79	16	-0.0222359696324364392176941891102165993681739688906482362869835020673690058602597641127278996229050265388573562937754843999	103
79	17	0.0375162879748953352752924641694746090215192461571268032230808333541379190990624340857336440987673656229370645493265076463	103
79	18	-0.0111705222544347226689578935868017714973244671497001176776397565042419923290468586399074823407437489568584023023283522610	103
79	19	0.0288576132177377695189290049430357205315046080072610264362571951631018333682377107290186002286522426193428011639864142861	103
79	20	-0.0219073772352485138127836070110173024904997936566077906360269163189601686254006254012287072505105352003712880750364492333	103
79	21	-0.0130795384843563434861105693473961226961984178492479922733103065143441214282821953155001619956430654492999250150629376313	103
79	22	-0.0133972962841431069928504768348954920375459204544216768436081563587733125091460553655851142576285991136966040332509460158	103
79	23	0.0255457096358756391906810035731257810740074066149925101547617288680277950690343170876533334241049261491622806258949373012	103
79	24	-0.0099963072977114081101877664687379470484906970531306667539851057084034441404136854301668416734482171559674855827336283344	103
79	25	-0.0223623061750575271496508565837774084515322000460390438737479973156531061429303815745380378931586175862208526089677993907	103
79	26	-0.0201789967370551447076422536794725995852010412650832203152209978421387154818808564667198203675951371339202662177601286907	103
79	27	-0.0228004572670240682182846483636958243210715750547583639131610634275456373418084390151660628081887163993252341975462791707	103
79	28	-0.013513067031750954061840417154778203914708584816447884149260714327156736182770729146551948058325507624776576437832226765	103
79	29	0.0143965813533256530101152186489953163593993425998987704829405433769999473850927818850901990668820763715697954384933127734	103
79	30	-0.0153947587969634211525640018604115580751159036810131389676781308085600504686115511036765615797064436688771882908950732914	103
79	31	0.01074709636446038941951512829235911271985979945826800004532328935009737360491942333015536467989266366836073543157336250	103
79	32	-0.0200465401551616462553297661100613045673752980863215155149866512688445066439754616842091891537472321026788158766588293293	103
79	33	-0.0154444182755537380554421089798353461388452503775665599051049455787159935012434100044610347264067485416110876433781472774	103
79	34	-0.0113449534009639013288978084846752183943239362177087995456869309752364762201444348256608206721593346994817501395437796955	103
79	35	-0.0169741357237498507255189935041868370356597118176506558787237851025503135479544427617277202452601897487801314851340495095	103
79	36	-0.0230348791690199773388340783738184868874884246230679410743235356784728269266528103327296083239849082031008548691119647623	103
79	37	0.00572314790371041552398393118364500531963135368605831431138829641326911358088149943848066480278360453925590592876388339221	103
79	38	-0.0209725005234582190927805629455415439901563557832756944335778336610281851389324691731784094801054757954627707979613628835	103
79	39	-0.0173146968213667605327240427412953179474062731059597028039256786468057803538536744612154028327484880485350004172407722718	103

THE SECOND PART OF THE CONSTANTS FOR  $q = 79$  IS IN THE NEXT PAGE

79	40	-0.0193175242216081725825566236559454996912627632148469097292347748735620734839687893567938805168465910369216470319597348740	103
79	41	0.00533858027692062017828857485059788280487018757112455168589503946661094722431396012931900215538296048865265634303933101273	103
79	42	-0.0231456081958432419965492040122414568148695231002159062651770006826298087111249075526481008512446442342930933571866420059	103
79	43	0.00248961944036652354559315693642384728385665493044843608435157250179112234219174319198564004074995247386074542812770990902	103
79	44	-0.0195828208109097412982215612761315684588969232305576304706025968687550856431632303282375074653328118967424881962610230940	103
79	45	-0.0231353563497500141978485139760901236901507775760654868479413559350820798822922554141328810207554106898994588407085929091	103
79	46	-0.0187458096620183898334276024743991718385759362513883561975367466409534263933101623946216364467960985768647288968899666613	103
79	47	-0.00176719700044124680486938223562159577137315272535786684831926333940212641192350877199617358054418675969594695533308012681	103
79	48	-0.0137407387078466675847355074757703010756163230575098816582131184806212141502306993695432629091021026733156676634801803359	103
79	49	-0.0211121916588550687241030265700745907968707785669362319024266702352487474766963359916741339601881638631987237812634407374	103
79	50	-0.0228492254327408024460507931502206156908063287552879697672616524885773515794818019913878323430538333762861712304478132889	103
79	51	-0.0214042989204333128733870367633793588678626987339541079653123124119881402829479832561771549175211127584359086236726998929	103
79	52	-0.0163587976373113647181597057083553824949121441574152740276261963350453684387938638140842915768840308755196146444709448308	103
79	53	-0.00115360984439677034058184151248902029498165446771588667340007764422658647813270781807907403499601188084352913748747573646	103
79	54	-0.0211324508075217759627035998598815749083918917268633934703099348446763533799691515100506352274252120761527768903826343387	103
79	55	-0.0247114304423015428451325849528785089268650441558058453002301473553467757435990585002477703038598420146620452966663985184	103
79	56	-0.0214756975963230815780102524052479628597986582951136661892673142255644156550781738848944635927756465319884472701956890236	103
79	57	-0.0203903717217535017060951370373369172027612114206480322837633658679744291841615926335531991097886467444696128323689255588	103
79	58	-0.0173176803692178113257116042756740890312373009360270026619412505572730773880972259512171414948968763240408825666378308194	103
79	59	-0.00591021768705806723825222064039271025582152833877669470686841292513188262244027085944402045900393604198842159229592701745	103
79	60	-0.0144276843056765571287591447238197224749288797267260316485314720057705551082679525553263580655075373349671097659207260930	103
79	61	-0.00803107919353173061065264475148316644565943411892625499886499309057723012968771102401315230070302918720153028342534533557	103
79	62	-0.0217392887099085068682504959824311303493641264677542161442231255562515194627569759788937950092188853201919985364182998940	103
79	63	-0.0207240285419616825598394204143729498258497719613637491471934740015080057005347522687019985287238860489574757226393390573	103
79	64	-0.0221793667818816007801152792890883383648563502366272102591133294492791127186458012037240673865815141428242550130670030067	103
79	65	-0.018979788173590785094498486784864022940743061879760052111323172773699164683983407186681959080977907791121753938459219774	103
79	66	-0.0204317181394530489558415806157323755289145280036034461007154753963831946535035346026136826613802808076885800590773522029	103
79	67	-0.00499129256467260400435739239098075586109188887939143467163115269400810643320524885835028146210827604642776801367279069693	103
79	68	-0.0230726478660509648660500344823708501222303818919498052908571291749141888572860106833476906754892578417537395252231213997	103
79	69	-0.0189279430874597674446558603115536015275665582952617287834227029445030096029860932827156333544827027914559716603570579213	103
79	70	-0.0145083546080714656347821244366234896157272231429196569398063965494138124088288337836922938492061397558758223705954536472	103
79	71	-0.00575666452960546311416740155483425734170787985538535517925447328448021604244514547057003690640070333117833250942716536918	103
79	72	-0.0156808491779567575009964457035378536193107838664359958635841113473111606205314299583711288313668806745348161540080743104	103
79	73	-0.00594756473191373459255505792587242706379056654863541282741162627841503381835094380209225112650203058639271031657594333725	103
79	74	-0.0213228933488988148355489951229329478885300352500614581483322631519257396094254074447859911171722331767683676452442278280	103
79	75	-0.0207792251853168338645739085731424897504218549484966107921532202021828636666191212820989480087687878697918015247005633148	103
79	76	-0.0204160967736530179437417349231390525395296057171963725856017407674886925219106929356348197514190610342226717125836430554	103
79	77	-0.0225809487537995534852379309144973993757209098297176233678560130651366699246559556060880330841697091111466657143948360478	103
79	78	-0.0167674770558157684652135490798632985502980121742302071414714466576568712842186737754902112478233056311105353621051315882	103

The sum of these constants is = 0.248838984999541517932642028482113580570553990033351104926241429114797928618887197055914783332980828229821320667528601468

The error from its expected value is = 3.791344778997903156 E-134

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 10 min, 29 sec, 108 millisc

Elapsed time for the final computation: 0 min, 0 sec, 110 millisc

Total elapsed time: 10 min, 29 sec, 218 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 80$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

80	1	-0.0521693656686491632416376904684251096588509662258921858950641349279950998104393442465241052764128232363750195997416942439	103
80	3	0.295523669651336399026386401836841800229775307411711754822047920681559121715205418159833631095815109412684497326266539210	103
80	7	0.0948824447546968865799753005513071108426659702153651548196443273568970146600249104686635360858121513627736586789572419936	103
80	9	-0.0432998747705955421379194516311580416962339857530390835542944579357664643605080807447569948239203716518079491067412655529	103
80	11	0.0442738773892116664799947025122332499547536005978828919170866417972367617324834779768236366974327072127059511654007837409	103
80	13	0.0250641327665306641536834918938721452724514591197929352706396177181544436939578222036061440293649144172073398173667646142	103
80	17	0.0185099033414374690070923950363724307290541806088298033213014044481167132312183507563061898484448224154127594830239006309	103
80	19	0.00416310268887020931225722322528144736093700232333902170855384890586863084971006235232794162782132661351990871914562859637	103
80	21	-0.0399277457766438538303257541649393694297316656238813729532001441655099389319497957287725429158317533105218409989110929166	103
80	23	0.00232128465425873611863371727638464416572016663162802699576184531893338709388198205118820629290786442534603494226749671635	103
80	27	-0.0452132588266442253434415700287645706048247124337752655040568932472798575285132115370316633946918308936403660889406660625	103
80	29	-0.00631909482280720690537466330666353604284693056216687429789864080448972739903091261108259522277923474174872754140689330513	103
80	31	-0.0132690672749256081497049338573766675103722472007387965527718118485905869319573298669079681323319461232002440653389217932	103
80	33	-0.0388405545718429909807557709108162163709495485111535674997274963873231164374070924097569464260735777237088159725122514239	103
80	37	-0.0214897064524954415277559902494316311207871684380788985082920123874813229823460905437380352863773509731894395706343190846	103
80	39	-0.0469619995888021102210737332991726524051927707521642998816257352915755607064399121796980736992439268228878567368530888299	103
80	41	-0.0292803294370149408674664611634583608181324333298377150799747334575795716959038219823300556790022837085269531227221185036	103
80	43	-0.0285912253029185069619021811292260856292567973088485610370311831161118912046053066663699995429635769710918610716849023956	103
80	47	-0.0263463967342015324780529747127182280328582091687860741558851160093106850602304675008006883792248719251687918135577575179	103
80	49	-0.0562598108772941092322589318084525398108191782737944159275711237132791538799525506909048825190868190920670542902409888654	103
80	51	-0.046121126694785711914247210761382750288328779510985403332836950279249190007974658965992115915105168031916564434075529394	103
80	53	-0.0303792245201264310660248275859811878033021181979905688106223880969667668922291400075922666244291473060435453259428523961	103
80	57	-0.0481347584626609685708739750286104493361216607255794667427681905501041339544423792920635046617858520169402728380408576050	103
80	59	-0.0301777407573712524690305283226565901780230494949246046479141864939827728433603039374437905137528707648800547306879435939	103
80	61	-0.0367213910880102319129315106635106486933508837535398978521899551257149298356209501615516496455423243822933418495262638213	103
80	63	-0.0495047289599917313436064629127771880692910339619257365182181636297028003076793320611086285221596436251503702322382242987	103
80	67	-0.0315339474786854483912221572009045328788635018606695204779312035680531813741840447915640491773870229352586199680102548212	103
80	69	-0.0459734824210615513278070616133605142164704356553507481313583352554201571556028942406507119059047973412185488363771603449	103
80	71	-0.0356193014364411397030490851071758745408672458495415397339358075046572455104495436479094210928844715231894383143742065779	103
80	73	-0.0369429496754693790999107397068801475371658772080265840271799356840688304254204178905075427862905050985904009627833671502	103
80	77	-0.0445778037894715211136782000679806808309471537172302802697776561347211093515806528650589999021512434385157256576266908877	103
80	79	-0.0395863170097886481325445280217733960002026866893157842703983919382317384984627727538823265216134824358118077443199380895	103

The sum of these constants is = -0.438502787152357216244573161391304140948433351738800793807935786075075489102631790285857368565753348985368552750192917519

The error from its expected value is = 6.603940928782750927 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 1 min, 56 sec, 742 millisc

Elapsed time for the final computation: 0 min, 0 sec, 26 millisc

Total elapsed time: 1 min, 56 sec, 768 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 81$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

81	1	-0.0253003423458412405650358491321652121149081856657963635233700429932395442942171012234030562410471871803568104160522889809	104
81	2	0.477186565647488383600837724180410003739683068897820987063951091552462931263781245274673670610625432880737787621485216409	104
81	4	-0.0302283321671917373326245208533535611033418094040384355428007107643061828296216587141790216978585881735745908667035945182	104
81	5	0.174496756718893083196333984346834426979764443210082833683183650120378120064076655351478175597484144947195442392891971065	104
81	7	0.109943387917177817230078630270778533796464114427751352159891034859610659675974881469313894252724751542344922331426143978	104
81	8	-0.0194765473783242389834023510687706217421646528841867013927375104365120563510274152511176866611235776415967205877313699439	104
81	10	-0.0320559673979914425744690226904083792544042345925369655993402172475171820201223405117726131769411818557193275004652201432	104
81	11	0.0635544754693935509843027828953663792518920678297749795069058871135739510063895768365490251739327243609701982042150047608	104
81	13	0.0472880083691325540871630183734381469041643918994927528702126856523595415448064529926869806188090694811740466224591995142	104
81	14	-0.0280016509536699872156507643615691101531204300246839272951018815693827800313486290868075626597057736346294687540535354906	104
81	16	-0.0213677294623312513808676650450076125847912993155590002831351509931199917776376678103738590658018240005723634653554617653	104
81	17	0.0316062864140120575797745831572635145015611037469907945567122888373879581214838854033682431292527861340667901720003393081	104
81	19	0.0236047925100745347882583234781972340829452503221419349479117900929833228144162764887608084305202237476377924614699073210	104
81	20	-0.0202765154062124910467487658850668179587264608655608070713479815871256299069604877714502838837077963559542831089927366073	104
81	22	-0.0238590794662436298701305876532354864579400671201044547532664020175659739310629576752674022743106146372493447468241719946	104
81	23	0.0121629261002431429457502703979015664985478168583628663479398845171759992626846387682008337198997681321043029121647867060	104
81	25	-0.0311475541740019044114436058616141558757764036387037856420047144267009103430672510828504602579756828490261668551522263332	104
81	26	-0.0192163433931093683835275148572515188894096244033295434181266426565767735553290963499905793227050428371441518449172078758	104
81	28	-0.0190125051158319708106473962679459207552876475965230568059178518382296862851704156050638262572036815392825707732159799707	104
81	29	0.00989479442313015261443239432999138841491085589317115013109848652536541035283514422344544815216093787854852111453034748885	104
81	31	0.00117040068699393935690797279944016180134210439122817299359916227727912328259389227866307180340234180920529266291738864850	104
81	32	-0.0240116874514868528884706498007011976203189922140815141428534953756055513429340030389837228603209948952114524986738016911	104
81	34	-0.0282025489056870465541344383591549418944175804203452322163408503553977326663901650021804330303445753444231744999386815116	104
81	35	-0.0254039451587413320451030621377573524888973887817257111729374253956888973429126641963436374700299632656820886248041089439	104
81	37	-0.00168753908042760560693131495104577167843345107708840426850380934264776545290972363704582006607811631781933366160166412641	104
81	38	-0.0288310851243230128801823023216781964976088582409328202304565030923382832440988609996369408913054198942090748753882452223	104
81	40	-0.0291438916659356257995603061977170800398525857586042581555810254474251948508910534734962388694983892086307587425990109583	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 81$  IS IN THE NEXT PAGE



81	41	-0.0105015450472811133533614189337586098942303268273593754842035689506370412901686786793636143378281126764559195015512728956	104
81	43	-0.00766399551264066990647387196125553029396449202620393872585172718115401949894977902504350741915750527251419611610618840231	104
81	44	-0.0305981275851125786641857231458610283535990790495264328611655227037282514479216356683128431715791388018723422717790527956	104
81	46	-0.0257055260981128274248300855887885155895753632289165290208791159201702852711399090584139435525884820379750819639279030582	104
81	47	-0.0119808949701998663248712844030781199871570549822450979509975314077988135835147243902003725367707002561706810044441359656	104
81	49	-0.0267505266615726269738488817472685001389360247058090890285679935261251562252524775048665438202931883454544709985430385936	104
81	50	-0.0213265715244496309179929825071623237791666804807800499642026773098923810702307968815834337225841334942936399350138582120	104
81	52	-0.0322073415734833811932111815245480585227634671440730067946875117321557332477131878608193602356040436610522100957812970934	104
81	53	-0.0152458991206710584588808880055432259083243980264324510900640559911868932751197733623212063915045799116459863613580812861	104
81	55	-0.032477530204911349212351598358344441854595540446448026550648425047053985999250945053745089370676459858715060091449531671	104
81	56	-0.0247893537458545664704197716666052309077953264919909913875130104863476657990060551521321585589828994741491908597730547195	104
81	58	-0.0257760025859306703882012685756553108243890117017252208268453931831751283620955544988515290753846606732614111204617862578	104
81	59	-0.0160577419207403108332091179296193773706591696028925927160668995414966494744445081701045434909877156360634091981964906292	104
81	61	-0.0125913994525669041211384293417946233775174904896509249094829757117743153042886724450532630367970564989142136476787735062	104
81	62	-0.0319964877914203027560566519450215691959400255609925456609909826096566248554937720734072242977491101312854796228512359149	104
81	64	-0.0312178695655100051508465526858399082355878352241619510032734929377909251082595307567615268837467267466633847125515322300	104
81	65	-0.0291838451511923631351086382306587151383337382707478362376870017636733447534541003715198465406311304866458232986760646076	104
81	67	-0.0149430930535118993908208568951265959334812935097238041536712723353736410145453118966053055764000851288864731164290570393	104
81	68	-0.0243758215239836702741668638447206317696171271341740433846590431909367487630931045388618496517804234810593772447539511071	104
81	70	-0.0255127897754181689846627210518453398765747119850427947568129383139183567017848490132644429325472876838739730990576032965	104
81	71	-0.0146954759671418055858105042710758821316163249320729812257824948751688520537202528299006787772544859407222768637206843626	104
81	73	-0.0185057448443179989360914375216312633643308784603730030727377245610003995196804755098173986638026142231395921669389165045	104
81	74	-0.0282078283960565592639209687372441756951146127027447943920945356195890817255058809964795351828693411927839772080395539194	104
81	76	-0.0270948983701363702374145793636041342715428124730302057298225112872666847025631075756337914179087409213852325232942061283	104
81	77	-0.0265579627288776068022482700100216005121013839749223077719795179371248781779226387546370236335187162358613871386236128748	104
81	79	-0.0164448615132256477563213405176896280210925396001676526327927979891952918738543974519693335394451363918737464021728560108	104
81	80	-0.0331121154105590750963701727460535521956355215129433225553721433042149418996580123050689233171567923117303182757480893963	104

The sum of these constants is = -0.0718361204856905495779064947246374742817666850721341271412691194084088224359651236191907018990866823187018860835262508524

The error from its expected value is = 4.586070089432465921 E-136

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 4 min, 51 sec, 866 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 57 millisecc

Total elapsed time: 4 min, 51 sec, 923 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 82$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

82	1	-0.0337856381746274366618131898269910662917830527654061623080860521532024337951067787867090768255737903509970440934734208492	104
82	3	0.298635460392706441645698689689954856779164891347308175170287917733871129201683977558648648652874674829158773101655640538	104
82	5	0.160252502456454541479818211914454810337948867745240771841518188272584373025655201304353143803633085952468513394315259481	104
82	7	0.110437572442899868756434690424305953980208666333751290115487627841041053544494086073750054465452037976368100392972939583	104
82	9	-0.0350462374059761524042208831513976809072217807874826463230541383389091437405115864857570397769659760413279249303875685783	104
82	11	0.0502928956261968138133012819632923524297293133430772794120104553321744534963204569072472768111108964557150896431528159108	104
82	13	0.0321874255809502170081553243917577218367457794215128517234230684301819676062370458056467484899421609670160993178973257146	104
82	15	-0.0326220690514482486968892094374526965665083035196902643676927960714662662417101674016287356906710784139414564547681909242	104
82	17	0.0227746732890629202816491933749602695384123799921573824992213672851913301793597287318880881864787296501794908317735157216	104
82	19	0.0209907774410568298233661780634629826642813709838608041948934756012324894873625454206401579955032015275094601380311953046	104
82	21	-0.0329278061189682363146216034116718391418257836901612481285859807960467381576037209456833151574441533941303608657091103824	104
82	23	0.00295496177455522124477084503558832713274825782386058227592940393843962420691020956820931279280214536360345145201823226226	104
82	25	-0.0304584818946299379537388415090408666438410617653970384073137139272576379899059508455554156454761000897489604448841312737	104
82	27	-0.0306881341607834755984775592771605330010676922235820327808021351378518525873915138273701147490786538889617284079237040876	104
82	29	-0.00338596348761979902034931610600474525265040371090778419999632184786031122726296008809659452588002281124915709675373814349	104
82	31	0.00193411874566191659603676659113188016591757991069597188286112722724128055734239057217761062358956668602302991073356797389	104
82	33	-0.0387634447158219634617038635448622491536559870486456493519905044631353781432880783140169584021676883311754059023179663091	104
82	35	-0.0368402979125002000589756836585973133231572377678644790877845742773771306127511177909443243577825853771170724884292817206	104
82	37	-0.0163909364049328146271572810525287634145066942294430659489234716961076730953154258442739589960207216305089312316230361983	104
82	39	-0.0398013362950908786864618725801672052690267356266551304335469920035840598248214191143211424069835130303425236922767673427	104
82	43	-0.0227076034721858228703166771300289500188525977448131126636622787299016646693549063121273187885040278140251240249329011611	104
82	45	-0.0342179842471558133601391167652977366555588612803217897024592390122246319014498475497389153330018052333761277971761864831	104
82	47	-0.0157171443109860309870054155079807327461614385228662474347950369677387896347081984600647689676429191228462854695782011738	104
82	49	-0.0361295685006746443245463953444428409218060243825318765328606048808673452802204406959540627593274467784368023714864469259	104
82	51	-0.0434261330346939449475341007105285854607862671983083655965665469082093391745379325168194321572323597219536743694171770675	104
82	53	-0.0255663218871900939543795410027620550009296693879413128573000090040910670757619076650135841120565932281484685410836897732	104
82	55	-0.0351087786133177497250560989702373434524599165094511401165200839317848699455816451008867143819375482610897792436913122834	104
82	57	-0.0370475549358075987718562552397520719335879671127889885210649771871771170699135754347753669662432326315433187323611968903	104
82	59	-0.0260447820186945845037303992194491653858434137150515314528000322198346524952006162538068499124850077436229725924053627675	104
82	61	-0.024268266002634609462042154484802789289866491787833442998978628579927792571353424028277852648424188707813305507178201337	104
82	63	-0.0412380994932317157981517464066682484304076586844942380565860445833080968780704988401628717287959176209465775326373531768	104
82	65	-0.037668384383636098016276209070940428477676821158351772342427926473660293164830252577286570442799116767674236021215588480	104
82	67	-0.0196162109362554443246234525202357430002487549965567432409123706954614758312351612139406431039122878160937108411075693380	104
82	69	-0.0302749213656307031191139522957045381074882435625317876425665459029249393481800473698909694398982329528125956472244199121	104
82	71	-0.0271979143812850952331382523243513956942281152326642421239962808386524481999335932849009631122748278335353455940864529934	104
82	73	-0.0306855567376298938609263788702152881133651996192384393706700394304489920557342467223146199400411273789985218079778335605	104
82	75	-0.0365040746965396117082147437993370603059322674063640393184656865418778815794953424805285721492684908746831955942864219550	104
82	77	-0.0394722850024228734257308050433491035601878357737542340105918716868578577446416642271953619086300318505475049808901777971	104
82	79	-0.0322312620305463504296641311625411040127033087815338700956629229653944033553056453684196490034701208234839798745796542411	104
82	81	-0.0375202271311956771918417040185839321540664507145400665175287687004290733041913842454170668036415007026562805466786601579	104

The sum of these constants is = -0.262893031054796240634817063830328531192335790763191037710374810465319391541656180529759807590143592887807577140436819958

The error from its expected value is = 2.1476230662708133094 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 3 min, 4 sec, 596 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 38 millisecc

Total elapsed time: 3 min, 4 sec, 634 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 83$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

83	1	-0.0149845723134744815381125949004879888931531237657733036221830654899504401435352688751083142285226453261839145632503440892	104
83	2	0.479900712896690530733812187606325714969711804368610523726367705564233116949530549231951733148232704100569736081040454065	104
83	3	0.309707223247426086946387658001352491791769236175339322518115593594225539590899569269931464635165448637381593369404705405	104
83	4	-0.0191311154153025571023110161018635311132735068723194239180443864672864510927095609558976537840398929298640296626783046672	104
83	5	0.181502717069084992585315517215504454950582998145923507069183042981787321629451377474944504140018985350794301949267708763	104
83	6	-0.00741880053292253824237010819053253950954789917299320493949563004386964897374193098667525931292524732503699408163168013826	104
83	7	0.124878097663927947833263341678476964551702860505402323986230445032233771053351631543566370900491856673374591103454584192	104
83	8	-0.0198983539276084480776129317816434220661113205048009394665922443727695195799920994614035332648015513815618398488236939290	104
83	9	-0.0207682709528610312950779740694072383055222014451671998842765086397407928166768918085457728103228300352190008461863641002	104
83	10	-0.0221522897240969218513424494284326630126708260590514631903323735400053112675747355586150532285286176474686454702630368294	104
83	11	0.0687027665899415567331727159353703235631328489728992167006081231023213190539708348556685417628660529633240746288114854271	104
83	12	-0.0209908963015974181326092897402238209918574928983214759287196030261777824174567946700371182833990339518484647389819108886	104
83	13	0.0602245008002553108572852977907585686530357135527613304365716186546890546084053447097261603967490267570251897656541680889	104
83	14	-0.00723990162617220092621009442803010954140161247989369503192368988525975438666201684015612071419293526430169787898396988237	104
83	15	-0.0160399923824794897736088753603600738803395530742391003674477000168743192471715306949720220650181335863350346058416933477	104
83	16	-0.0209027286459385420013259753945045288703568484817064997614720490923761998605318286167319189343213258149207536015122536462	104
83	17	0.0383724192875837348600737318982245319805852957296596949018309648190043204184259683777936596184305882786455138058384074617	104
83	18	-0.00950905857602777227299397138179831602607629333592917054164129512411716929834963225344784597569816215394037092465437335918	104
83	19	0.0293418819693617171497987908101557719104433796557425591488699573327034363730102044348530341027970964980906347846929322649	104
83	20	-0.0095827889314640989773887538511699477387249329398623344335111682495661074986941014860661759792125734502102617822798565835	104
83	21	-0.0205984949468499976856164034097390898296313985927437461622910583204021337758617912423372021157689542185673865087050622437	104
83	22	-0.0184391198967877185456216984547503195533501445310129129725225883340003311477880193760613024719626960156603284848527033218	104
83	23	0.0226876333215062470899293406811602895295807229066516102657800803749726842226491698723149184839317566778623095798085496202	104
83	24	-0.0101397902192365794431293620008747324074955868623757111957123873219317733591519762521363602554799809775111254309259148589	104
83	25	-0.0158677025190416605946368718953634757610624075827601809621245587972770414545266854203720664391486475180976566907256253316	104
83	26	-0.0130069353154035648841368746505052858575934806673427600462602712765071340518625787485786040210624301845403775424067354541	104
83	27	-0.0141988106673927632974996104365155316164938614901091394637954686836232166931979796495802427022032295940247465484954758040	104
83	28	-0.0175046534221962526904660422031852922804390423008818608512639503031080046476272037149218201229845714905121728446038414410	104
83	29	0.0117515268444476522767900959278450914679203018060325792170834757771912280311116026701137155479133379157617240213784933827	104
83	30	-0.0147259116370663142353619634470554142060846543238351508589028856530608547873775450551236378188474324665942746007659092497	104
83	31	0.0136162665111256822134945555599413830508644093315243024708721360226750034581151492609592994279617277698840485083714576611	104
83	32	-0.0182860820897692293197674132079105197912425369214896883673265303622545858524754097500959981508618711316425729788354503509	104
83	33	-0.0171192647407132305692145125046467127358893972905040243824877393463780246546789899296837603594745966398841920744637466300	104
83	34	-0.0166655153857351934910631475480996711223931317343519783774215542010575405331383542618236467287989803556174771120632876066	104
83	35	-0.0200169051752670396572533423914077975170618205347968834237287145434462444814732910909691041903379363771920993524145276737	104
83	36	-0.0221786990989967897015866633500307147203958908800288030575711594536758228424370705928271095127305749914917811220915555876	104
83	37	0.00595343624392801842670118666308435997164619141199833304654114753888498398667366567301328808120321834804531888912624865852	104
83	38	-0.0206893485910571729380934583632189312105359580535887864746242947430822062375323962052448564592213937884927386026321800669	104
83	39	-0.0226581528200943747373763053611709455183531882391320830416910922624406749443125735384686470622482151736503146877439584876	104
83	40	-0.0210407123081017380060919416708046740277920365828666398660086196370023205057021889086178912268162014500082243142803678680	104
83	41	0.00296851372969088510110053544316871028605483007132729623246230042918653838411121749900216129900271016632426502091115669286	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 83$  IS IN THE NEXT PAGE

83	42	-0.0216367538472144223328070063545419205964627251327322428992154080889989611349329552552170504751439124928184351239547744233	104
83	43	0.00122147512916644899551309104665156494429407630505980020577712762977943947098040198337442316568355640030752189613247452485	104
83	44	-0.0111370085193561993190281589538332239590506042135739014558827577967294082353670980056406306139885500255590191228026545629	104
83	45	-0.0176492430258268394002216380598072222244417664325088734203004167462314044091018056566650555110215718929248604155079666547	104
83	46	-0.0211452680183936985116714302735756498797133495042607253234691169853352787738353991414404596368989285442823201756877547742	104
83	47	0.00154409680174843335906810788439836789208816466305575950252067395778113477838665195284743670475141132532280253575642001359	104
83	48	-0.0140685787635553393673472336545418501769892670167128596996369452384252249780555011967700519698311539678832693873371837019	104
83	49	-0.0213358712398921007274969621553164452631770914686856361938281310815900270419347118796585059066116459780252544436708478243	104
83	50	-0.0205561597328295700541185799852626582703438996951108979038979484935474484622586939765798861695876698250431247447849572794	104
83	51	-0.0198943130620400007287827988367085769208093762549067304893410930191089512584344676076637891003756259926717700674207844172	104
83	52	-0.0210798438747097744381854749259916775117113468733341398803401465859951234242400146139469738256477981340699119373070437709	104
83	53	-0.00222267659904751453261255725960973508321423681035953064592036924622491700421514803069688257917634392023689510175359188934	104
83	54	-0.0165802058650363300798541869441653135159787730665273330743663259901926146008696333783044411199402632630980164278843554413	104
83	55	-0.0206284230670333704720429123129676026930779349752933123595413003819456123782142855290806977654329375685918774916414535515	104
83	56	-0.0164879874407231737518001579636974406956519924558018205287417571541932312563212532056646926888654476852901657219056274878	104
83	57	-0.0159019316559805994229145874157069424856137718519641440087233680120799223160212048310699497818575952154504108556382472917	104
83	58	-0.0191293036844437699882094398534669254410684761667822485189462031033884142079563640364747759748286492161157473109274844240	104
83	59	-0.00584525020252885748370412868158985124958877675282519872757485774189240980841937478173907379504460868742170216459811260254	104
83	60	-0.0216120949642535108822815385363900465142289135096788938952778640534651861071829644317252744054606031244841565826336154746	104
83	61	-0.00257196581944009760216711502682588121825055362536418444633930883368252407150731883281177657455777535221183214934558692263	104
83	62	-0.0173733435500874503977157325112268755895805735083741984728031002529473608536217360807946965107925439660209439210631118510	104
83	63	-0.0177046293718436807335441066576736410856488565960331031228465949297930356682085242854441245247129779384871724980434164562	104
83	64	-0.0163430007960647369397145193735627778926808009039398658925457307480316465704202315077279025229270301797871953743294413828	104
83	65	-0.0193154838252496422843579781134399962483026774590598742778592211837505554205243199110321578815847006858642132257000912042	104
83	66	-0.0160904952451050721203168202085175748127838712535842778739575341048652429041541171573206641437102995032816644118987952132	104
83	67	-0.00348288638284130531254019552363446543230401443928035474703392378528729597324492815327040048883422443926758648594529890199	104
83	68	-0.0140901129306234149208141092676280573419888481200162644190614052469046420823746215661436570748152161516689021005696994262	104
83	69	-0.0204843122493851663946194138957321748253565330548052490367645683474276919473986039615084076596498203407928498300080335923	104
83	70	-0.0225038438360838380154167159899463194795566881759350130453285339567211590797273508915663899108990501812826480504665839836	104
83	71	-0.00805951648516178488447293551839500287237738138088887438361822607223314816225020139627888971102715787812209510698735242169	104
83	72	-0.0203450507172961744608033428854430416902456136214143229602802917406241154709315111061499770041264314614800765787838390296	104
83	73	-0.00343907053173225969361846637246905019160296865678338684161094032378802259758867222248795246622066973137873375675685287607	104
83	74	-0.0158098692613650171020629150285690977224491378948125260057793109272132591548181815178922918822676781518788331209179018062	104
83	75	-0.0172255254870098241205787787971490936693793393424516815852355059242984841281805178360659090845539895589844364639456726200	104
83	76	-0.0210493630518128979964462817622391347136005236737592893626916442405782600469554289926594583904995965958860196474433435689	104
83	77	-0.0211852457838720156766417521934194007580795833630214685701551260447603725066029946130231355459603307458792024072901637122	104
83	78	-0.0217499831875897331809663243810171344380331448079299425318490959450174718484438079797367517063296350232444438225717381473	104
83	79	-0.00912908604613711873575685583052307035525358508897342969034739884853353645611177709700456188854728700089466766037864123268	104
83	80	-0.0152291405591527550935798187734766272512826257719311354938293206477216752899059433012906847762295899407703149060387511550	104
83	81	-0.0212039330309311357307939820887633609259452413476836972464716714140829155914065313291946311131865960725658865505738620729	104
83	82	-0.0198726081540214858777903080046103644937012939377378744593386738624095345443825044923408072392760090141160412844301563937	104

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The sum of these constants is = 0.249449020076558446406029248247250075919036527779271495348690719949020896439536884412937812157138217279691688213662504168

The error from its expected value is = 3.903684961667514666 E-134

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 13 min, 48 sec, 335 millisc

Elapsed time for the final computation: 0 min, 0 sec, 128 millisc

Total elapsed time: 13 min, 48 sec, 463 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 84$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

84	1	-0.0734639142617973328342764883795225181917912410928449579425166474712668661768754488573140665979023446487452219855873041282	104
84	5	0.148323549591530233561805473735589800892203267948458492521899416761358609772728922318752550023153512117015383488519961364	104
84	11	0.0290724024926249302145251081589204300848029721762172527863727725088115780835986150609354012640464220748430644919489810380	104
84	13	0.0224290728747548696540000597026220130239529779967609443179341355527336894178198791701492609022162808303578321485854961722	104
84	17	0.000300681196229474785802614419046042390441758733716051515680494558829392149631452472246895549675368752901493035028445371929	104
84	19	-0.00576307880209408758374422548442734812329879061494537180453746663173307641137654329666152297082835270823073479275890251331	104
84	23	-0.0138497965201530520881105236922199356889067055204507693052683122015482574195563995787315728120337280438437502987066070283	104
84	25	-0.0607016756429021608396776477008214514160725193000064946091670853894111576732252172378343852101916656995772149961325513957	104
84	29	-0.0222266883543388763218294385273009788572531247247333055497799692033574481587286964438106053771639189375415765540718585901	104
84	31	-0.0325213918938471846809848382364695447795048860907595474022008011139018216741208287210866754982084913182369953330287526327	104
84	37	-0.0442703289531425263413021626262327744388943108564078497875219918414704191411417011076757813953960431840715592272471094874	104
84	41	-0.0475336593998265389573863164643172518681607780623849418438875310885420355516089511340545475268182273471779634160768316370	104
84	43	-0.0349844470681622477062171025133156240120180891734180935808326363373817574221917266328630256184254917570999752919534555511	104
84	47	-0.0445066163462559127992767610577927883843803295954296761937254735640129388255037433039880733723175219590443743112180529138	104
84	53	-0.0464787677042489430315110529799271933763916345918005552939925479693102991948066866815356446007238974643981499440480020149	104
84	55	-0.0621205766407803833253627830982774246719641583844699028030629399260973505012344896555830529891819895092783881898804043160	104
84	59	-0.0498323317492407963847005555001138614693730748527736506326306690041233355430177601442277599674739538912349450237868108587	104
84	61	-0.0517795173724565634008639695556848562744504033415208972001582892190769681432053425916603869109685228340808790390460484535	104
84	65	-0.0611014074876142825858879099751875289632882288989898722304172234390205011580501503983709465365315998419900581852112826792	104
84	67	-0.0515716262256392254744286000973214317642824052764014607834278087316803679384079061462871476036964494237448622928731185363	104
84	71	-0.0564000928602728372344159805280953932988327810071985953874225005363967798339111515193721696427373132230345354675872404274	104
84	73	-0.0502394007123625523428183030876871602845001300571855348560509437116151623297960099642708421171272889316196216975300653787	104
84	79	-0.0547607376681565913868306490031906316886220512099555817160346503063126517124529864247376620554934117699731158671286932883	104
84	83	-0.0507129138346808196172715850900529202640391621327526665033775939610257541933893956583517979778151964580385944765931858254	104

The sum of these constants is = -0.71469326334283340672076363758178033142462382792927698428412626226551679578822266476333559041943825175844743226383393710

The error from its expected value is = 2.0964891837405558496 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 59 sec, 173 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 25 millisecc

Total elapsed time: 0 min, 59 sec, 198 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 85$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

85	1	-0.0281517104556337293267346176175254303575386625139888344375368094386463557351404880793717137259347221012799417878526932971	104
85	2	0.474600661912838891835784535149387557364533845011483678007925458712994720353887085252346359799365431211169210909688423403	104
85	3	0.311062683852697416365931294031943331869686286996210790302984086748529614910740542557916160752132281531492298485062536955	104
85	4	-0.0148282016916535728324940348934731555042343686212177528353558800086587024018302010982057825840014618964936080959055090970	104
85	6	-0.0259030691466284349867308710851297542140623066826728490205065736165573280911440228389580442697165253373105689064125765008	104
85	7	0.116279142842219143225117378492362984062953457742048929178048533802760969992499367200698878244762554096009465905922018103	104
85	8	-0.0231748741451386440138981517545840232661208825288610183590568283034752694973551980249546098772971570967189759810346254758	104
85	9	-0.0216222944221972830685280809677485700272385562269321329118519704897745695487404800653820546250765941437170062339569942532	104
85	11	0.0695992744123595451635438212421570741057579126078886421015166985787945857362545280500500139344579473204524577045072893403	104
85	12	-0.0169910871962343365188539211337226993029578157327584241126751731267936933928010444939930661672350713680420183829462989616	104
85	13	0.0541287339755799876728292401277629048687661513798007097739683672486772535220698878495281921425004325551084661484534637692	104
85	14	-0.0241496295790917137885660577707806889248831146551100155672549654954811640878128059530386913663298393818098408622466137893	104
85	16	-0.0170397317939136625499873084360334789066449866305745097531237985471701429706701410987246487936197473870213840811963628087	104
85	18	-0.0157484337567737928195600679583250761278331434320020149602853697646131705164158694586374531254276744587973139907323150004	104
85	19	0.0256320762494477373161945714130388602372629030310143472173955449389844857621711944281771185395349666607299898566838836177	104
85	21	-0.0237924476036761591455445869261969118471404074168712497196492792318146879608652751502377093557929466867056445941435073063	104
85	22	-0.0144484171431629378793097534088242841062979237645674219737283015697597991852238048147279365566404405096239237847975051812	104
85	23	0.0190067498443042228892067046916417457186813592428980318308727336853617613640971441203233561924055840421718423869569338585	104
85	24	-0.0173747278620403738921980746845102876531880030355356589700212329700795405574214222617615714140002001106249398364629858456	104
85	26	-0.0266916245498112999833806599780773598360269039054822253583266491887852309195870332320851813649494390923407549185101461723	104
85	27	-0.0211576302852960593072182842748112721264810823594422842104799219185206256592274760822012338100022955139639740403441532613	104
85	28	-0.0184316992552824888157680498977859305206693366465769541841613099018018756551413192582993826534117317833487704225295071149	104
85	29	0.0113367341506406829465744111777341858348619344665059729547635286203107342351369607102522070351143246244322518848033412612	104
85	31	0.00471047304953275512150872527662792918086725158816691420728840102926845553907896776963624087164183554591471528937054397452	104
85	32	-0.0261829166475894230888321619061456364115369244065561726153984246075185652685750550161596483852908424699745501093969362316	104
85	33	-0.0263323544158158571440489347160393021259370497952913076504488145799249844635431020678292038463758560052177656913417020784	104
85	36	-0.0264998427100063194997496805972163919405764725933241615960738123602105816489090959162526002901121553239743680000708777417	104
85	37	-0.000694880518048606959928771482095532400331777964477940664420314794682505009825416966652605908329497970940572552759723678346	104
85	38	-0.0243017367347079175173757924441453909834443857130421174922510946150762280283573706540633811918483123943851353760127571351	104
85	39	-0.0271854759530748847033975997130585969875545066827602165280386796492173981200854408237631424357739136174438726161416944567	104
85	41	0.000440007618072954449304921806460237798492440197446145105414833600376521988710668343932928946058520740691187106875008553911	104
85	42	-0.0192848381416265948510184589957437397908130477303440117695197811178441173207924885764202211824636868123747247026818452731	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 85$  IS IN THE NEXT PAGE



85	43	-0.00407912498125062673509540266394822696953230010343023862416355935827261649601561124697365779500989399639572610359193587277	104
85	44	-0.0287399237042813340489869666028946451055684315268549116342064843965905850750643761528084425162895871199455801779039401722	104
85	46	-0.0186914607202372852746740176019366588992860393450987358077750867613508809851239366584640274424734823737050842056419684318	104
85	47	-0.0056476127311341951438636597514125879151920485796627059515967277123479821741154080918040020504941617491313971539914356917	104
85	48	-0.0268923455440187975314777684915576124545180433438245338926862028197990187699801764702147160413621123617151286708762895414	104
85	49	-0.0265667707526676728490316505415834386641373465624375166724233254700483778701983229190965692478683371651550840279646773931	104
85	52	-0.0186335716833023592988312016229243702779408436027441186877810075171225270818317919780854499607023749489143982562604101253	104
85	53	-0.00427642779268267462428171888831696918497334081000039300880222942009116768921907512124226195441268585248552412627937726673	104
85	54	-0.0210916611267595976540739112882417911263033744268672497997213611892213598050864700490718081909810689531048475223320607136	104
85	56	-0.0252776998552879531394190871284257733063991354444444357852856819021639640681725719798897254779610763612801532748272752914	104
85	57	-0.0230379102561153510477217462140870960650653509006883484211066809005327278278744388518780884779493580237989274421934949788	104
85	58	-0.0254220086691131389798740175970899642037407235317979875404261677253695998309750292229557844521647176819097935277543453485	104
85	59	-0.00568516150350087624738697342928457512740883942161105414426563937265044983733373980764959337615107442200733154799133620169	104
85	61	-0.00943821284732622636637393833697225281924912761542269982322808228156491413373983896647646146378847125247312283903471942708	104
85	62	-0.0231585643363533526462322230921499061776678489717944102318651686610137400054839241803993162036798223672245377013075130814	104
85	63	-0.0248610376558596805634866642601978978627479211237643940308248035308111405943324844381409111789596776370383550303720821720	104
85	64	-0.0225848972240402400477101201565600435692668607408910505931042497456830137105028889784412643580926385833986327713515481441	104
85	66	-0.0206467649269030306305569665908000758332551172085435629330535456533591307885973517552779143135272531082106896577360311045	104
85	67	-0.0129365865236238262160506457465416024066909852012407012795538048537992958599244938010884431866991317799050754331498995667	104
85	69	-0.0230024726652030761844384354436070146804008632086076745194403875962724123930782306174067788720248936187244704422589258130	104
85	71	-0.00999418005020468880876927262752592984330439241765306120668438731890535997528665890816266199578706445851622013766088948592	104
85	72	-0.0253462190599944026038255680421955357127932278993070613545480606422705216551218893582368367620256538196566402167581404562	104
85	73	-0.0164427836583725224041685564903832093684343073982585455860316007456815573770290822411752055060934730259722944729921106924	104
85	74	-0.0268345924185241300102834907663440085914258181115598593456605410930088967368864714063104005265006505638519174670284003953	104
85	76	-0.0271392095258537341834138571671242377216104233697605462377634439049584422016762886297969271732414670028494002378776184554	104
85	77	-0.0265542439799180953725392766730103258246993009265909596440943236480840102958092154239338320472278874836552330265147737758	104
85	78	-0.0198641291265786199181478105715566197459999988954644890751213417093074922088210333566550395991118267569697518475013585270	104
85	79	-0.0137806154179307906174412578345309115089951656277572260810483038826717470492153746352155772179270699894757658835742114515	104
85	81	-0.0243182508817417139783905479063165165449042485863119862185464232636880737697662345036928857213373649959835706884092429009	104
85	82	-0.0195323793124479818469863541752870923769954978803414176728204611843976788677139279936106681758407632922471709906358890735	104
85	83	-0.0157208078952101060142806743559999953852008063214078383078956484038709614340182895873335043493917415471651932587153254812	104
85	84	-0.0279376036379730854319840032761111415903716235067947895722730747268139467976992951763690824221121379563114345238499771380	104

The sum of these constants is = 0.0026736834358780778730738974322252708162725306141403826626524492190421579561917391259073373165995921911020354851012001280

The error from its expected value is = -5.179561512770785040 E-136

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 8 min, 8 sec, 932 millisc

Elapsed time for the final computation: 0 min, 0 sec, 70 millisc

Total elapsed time: 8 min, 9 sec, 2 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 86$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

86	1	-0.0359533723362556276062164953590482401882660410601802314972758437463222034155661201886261560460799254594758032857229515002	104
86	3	0.305569245174297652710886039449194326072114177203647614518532455106703302100424773187884359681271680442729729189326778424	104
86	5	0.164987404182654116005757560885438980170049595345665544100255947768833059223030281674452929988731269831176308690632512422	104
86	7	0.104085656062743021192366182393053636334924055338170277411740377216782042491644531510321561864827772256782085473508936500	104
86	9	-0.0356083723452804998428713336096898100490005206653463344419229440893598708115774569465939350948663573541200739320407020386	104
86	11	0.0608793716766109624364648125399392460150824212248709298576487751909374132273693340073739651161324139971838653585621245314	104
86	13	0.0387247155320639755490019140066996500883086933794052702811913423115201735435367134542169115835207728663351236311674339333	104
86	15	-0.0331191132096920277325253729120136943241046048744822414293667768409015974993280128490549938067214174990593987588265293726	104
86	17	0.0252676172329819453428818804503292438532054037900266251437314877342357095162867135521857070906055287540987402566024525937	104
86	19	0.0191355879997891374592882401165488562996103892245406786469113568441500661283125624854937399086177224868483730803386799282	104
86	21	-0.0282990872434047790337433005848480171494716535807475255441525392011606028579870913784270195060921811373603456747397394056	104
86	23	0.0144157947765148094006460601800310753452266456574075455484207683422362230638406242414191584176842440928471473019969070886	104
86	25	-0.0345195948490179812398883224786668325164581327420596965537302261176747455610025961322274039244316103800371611984148168944	104
86	27	-0.0291089489187142240104317347092714636818735966472944895991272651280970251363661376866148849538466693407315875390377388596	104
86	29	-0.00641692417652474596495342819171127027190739374066083401589601534394582302761701357799970255519229877079343903133939413310	104
86	31	-0.00706998743915358592724075015330236411737443251030152810816461608722683772134185159071037630050911922908967820309853756408	104
86	33	-0.0416807335522613855884777540839586271815429445790618158941209506780940908454322094597239808493241788746851931679450548996	104
86	35	-0.0387912596643593849300490685203827510427268331175177246564978492326028946501072800156100253470659325570633140282527913227	104
86	37	-0.0144269979603108090531390877988690707910401874732019021761216572115356693290313915803498109567527754070918406941472907907	104
86	39	-0.0361387486479112592134623102272236129687486273232598281460726485776938529026320806087365778095715994637870774661772039629	104
86	41	-0.0124042302881890154466957775473078945293941261383806125694835411237515368931265720748870841277314840502342502473719646089	104
86	45	-0.0319788452797725956597341317145454472546149456510560705282076725155177672767004756581120199983358928337344847752431335129	104
86	47	-0.0222303530153657646034747345753547243404969742728687269514230434724101948814830818810072885792604674475498209208453395191	104
86	49	-0.039245393014830093231553582323255660718028182219234096068100303577756868486417526436387927229464821729155140122317212995	104
86	51	-0.0302500339909533928553550338261367981408457803674971155420745848818838149548629928877046210124780682265703454582730478457	104
86	53	-0.0121068437963032918255024136959662126981779522246825336727449436569604071087937945448048711071175834669896733953455881836	104
86	55	-0.0349599972308173249235433965836474644488043613214293037891144988969046800886327963446812304562923801061398468687690525329	104
86	57	-0.0361840894789848030630849006384736225943899284253497966491122576964399001806499475059705477690579305302050049332757694599	104
86	59	-0.0233974499911970195125773452269939801120905531542326461403679636840891873515107963335455303868602115292114403790176978629	104
86	61	-0.0212755627835174443413461659031337716669783938176615140427593902186130791934321237393279299955090918089658044171298073371	104
86	63	-0.0364251919568607349378789816501919345408085665442300964183399240359063676000561331524523833281551057847542711287725969543	104
86	65	-0.0357309688534738183225373663462038930679169705998263493853264592523223097223720645639520039066140348859169227733583210524	104
86	67	-0.0270457351816010531189115686518146162104691028881773807412322017742424232204754419624536091206760220891892227969656774256	104
86	69	-0.0383326729040943246981905333651292621015691101651278269476943558918128463246368094946836182220305129356233877051546712270	104
86	71	-0.0204019138374129868461341593597128247011478648914340244092599736668438296470176224025992324509181576720379453083110963017	104
86	73	-0.0255882038491083941917453377782717097660970553648877309794251595879637236932929122968933876459483096719869820845200159373	104
86	75	-0.0407372977732455396631047523894784772880670830374339209488910193030587274342978288297590245569236760024557309568041285130	104
86	77	-0.0338612293724717668506269509129389966561921685302298064707038784956726437842276818103831729550467689971979099964765340121	104
86	79	-0.0235804244211501425234129230593112411562301616226253670284519969673481476468396620796437822056052764534498954346374118916	104
86	81	-0.0381269990645036671264589269417252038281508219140335642678505386001748645723425741172270270206141441778515072848262571272	104
86	83	-0.0318045888541945592411841242108748971650300841470625479826101019803465338155443611201459821856080392353664664867784775703	104
86	85	-0.0380228284625671653088370418970383508772579645440847356704075212990754063536390290336809511269145365338216086442916355098	104

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The sum of these constants is = -0.261758601105845588337596417205257629320526374994614747296307879098331303056120162378880624379706837357461576006006871007  
The error from its expected value is = 1.1262534917303916309 E-134  
\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*  
Elapsed time for the precomputation: 3 min, 12 sec, 851 millisecc  
Elapsed time for the final computation: 0 min, 0 sec, 40 millisecc  
Total elapsed time: 3 min, 12 sec, 891 millisecc  
\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 87$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

87	1	-0.0303679426524508962157640223797670852608225771121495847139668005803822652923560056673358176101044397118622360739661148637	104
87	2	0.481028406333767793364647451417447520610474250885666386593789067395549539329546194419105306127968508086470339928748731133	104
87	4	-0.0295606570933308444741377487995063644884104252577215912341899994601059162972354076839782491056251137810645425921162473043	104
87	5	0.176930352948700935093309169816398087503711501457540778248521752621133564183823844918235283128673113375533987989419100679	104
87	7	0.115275379350174697093253064569087716888056374645139958592915951497567662919256119491031376551497800540369165026855495515	104
87	8	-0.0282605691686556409133589543680650645247890946525414544090677837437536138010507303349494688377908628954894153236882565009	104
87	10	-0.0180832736057375039800026657253153790211546703782564130319795705155306274191987565371138879089995599967873032584900016588	104
87	11	0.0598514180930026717546289083854177752593068547447717250438087658739598586734601815126786865015569772212904924962904686847	104
87	13	0.0450097702019831674868576124002046648045272412854640176962458650548928358812010092846270846188873946052235791481547474434	104
87	14	-0.0201163046311088524517189308980556682031825813781158997523697660422920116158004075245150460622773900146533584395859709032	104
87	16	-0.0212059072314475662284173174585336162907264452827318603193136866160541099507376577526903515326504820864587647347382415552	104
87	17	0.0312412905055910659109267526403198883090320916181335387014819048284390401700931745855337601793975601550556970891195273653	104
87	19	0.0284529416027102194022733602496656266330225156776238309781835390748545248987117533897004632302962459989834020681830010083	104
87	20	-0.0207310488193509127056302879949158174770795067509433387456410242251002829036313430018197619640231946124655198510564138881	104
87	22	-0.0184090140035485159563033285148577451820050316035367624072078548993681306652128211423833816843724274587765148148865649200	104
87	23	0.0144578330709010894546506772790152969337620395233563535116826833149902369603279286852692998278793427864732299240909291633	104
87	25	-0.0257279413623683780134593620511339139385397044867566874311616253567369572101790262166357154208670449206712982119973268530	104
87	26	-0.0225097198608956596905314406920397980486521230362877040060223348101489785252663225480804789833761386810787856355759559796	104
87	28	-0.0322397306385325581123154346018033562819394542042315693298366195504376783219535556605805932390764972381931231140155939317	104
87	31	0.00150442439578008233646645134265321834723951218989536967226450353521948316595916027671044703325344617722290332388336053884	104
87	32	-0.0271550765191713123665711030088378782313048114524656146053030154297432514243714875880019959138403472764356135946484138132	104
87	34	-0.0326819644892176112791526878680340803574451447293978561994443228581824582883176073120038671837118348886953647269638337632	104
87	35	-0.0303728261443941633354889943808407714523716193586255496551854479078476241035738582059447445365646469235738309046452445704	104
87	37	0.000347405554166418266836325879311631320384189745094481962687258918429709393309333403292155556779165483334887144282418208834	104
87	38	-0.0324227315852518127059049944970167114375978144875050813166157370309801067957476092368966178516739526234862933703980484267	104
87	40	-0.0243952493359366627819058178096059902911929545176346142455442391067740384995695470751167128616769421176603738057905888812	104
87	41	-0.00386735810035107285544890694121421112908983344048348233747147137331430820785169135424091572004255042790846499936546182337	104
87	43	-0.0095239470333214679596870579568136830468296496555310290403352706846915900849904646439704144971598654897438172729659686600	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 87$  IS IN THE NEXT PAGE

87	44	-0.0227211220510257601816461376414364125284321464805768919477680787261392868650397784358928958259074123145034442791681972250	104
87	46	-0.0309478138503657829473861441059673230505223256879650494494692944812188876337412847839861203713276928945434173872329139251	104
87	47	-0.00918273929873075089853291457289456302607212184263128051455694173774247234477814654624342724431909958913852471606892295236	104
87	49	-0.0245547862747059545894661893731186278895409346882097755820759765144229614182006812148681040911455848925795868055532923691	104
87	50	-0.0239411258893777361988964791421730534886978452757393631481000251111543591279741514656638047745461416836561649766363121560	104
87	52	-0.0203893993649246650399786856426290794803041535728827779965074268534455340592335288478544548962647329444587755038809291623	104
87	53	-0.00810154559450144944776162540664776827252874131028785635772640007486114516044843553823692514180336741358932214230385562983	104
87	55	-0.0275618380017769446930265245932879096377844838972139747347168422808491878434475125311520809083235071436244174082663036527	104
87	56	-0.026519898464626268668833212533612514460231902610877171085356127204962022324649045713515782948401864660012314369330871144	104
87	59	-0.0113677072645070444050442219001149513447043893117519576235385502908264152991123191777178990026037959639613619458899555862	104
87	61	-0.0140098445601248049911163860834360925135291466319689175634500912443344933260992633883382217517148729567412614143030142019	104
87	62	-0.0263175436374392164356859479029209523462793787163283995333136993881105360418952201246533004228068112371179918227209832291	104
87	64	-0.0246428819262423085235108537193834283151130932052259895228683294775221554346673779697101073650363903937522734223075003659	104
87	65	-0.0274592451417737602401946062419653829703027105599851510869763064283814966313759187389731363159518027128868832429244196671	104
87	67	-0.0154566222628056837542434605976749397734680740058605439419665423290795404532458170108699583511857257803042950191432571743	104
87	68	-0.0312900573981413846348044343993646943091681500919144068829699719137000526070148980804203533017899102935302376383566722337	104
87	70	-0.0242623978952645604552526511784084265804195343807290420990397758267295153967010383941470691620229490522992119850704669455	104
87	71	-0.0157450974157342338267408780638878161322057676417712854104906654706858826815949346700963889825537377450811479818692004021	104
87	73	-0.0170519914331872668576731977925149952012549293406591815802690200403409457944235339389327734412049372192418376214755394470	104
87	74	-0.0298546695950186824145877192667886808594275583165891877933677349098923292479488759712962423680377031457188587718117901010	104
87	76	-0.0239947953981037026103667957790120987098488325827976652523976191273448461706801388234863457285195975580447893121297973351	104
87	77	-0.0278914153564831959512586979791327860244328848760909284394993328159803332388586781223738373333239157403858487170064040601	104
87	79	-0.0185466983681681041339826823055839395511646047492246089764928075402588822134621878754379247216793185589158300413658549680	104
87	80	-0.0272778693175179335077032367990970992230687499409278700988842364962702665938506248660983537964899665710141582457456844621	104
87	82	-0.0337541873286846282950247271689723798667975549161165655941822240151751031758628446156301973815054118643937840068915585766	104
87	83	-0.0157113413669567324053349808595334002370248327852975157480783279011798935412677970087197942801428129349534930637725856055	104
87	85	-0.0301115165040113018131626401587482987430049732004054158169029046082718749487639135473949817463296308942484331452012506452	104
87	86	-0.0241206879278870549671498659331936905690976723068844610046956742100160567506712739501781225461304982349102167824028531717	104

The sum of these constants is = -0.106318879106380204750320287828085750143835650589375506451613946994615718987689261550225184657707371973874299876629699128

The error from its expected value is = 5.060491133166858947 E-136

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 6 min, 12 sec, 854 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 64 millisecc

Total elapsed time: 6 min, 12 sec, 918 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 88$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

88	1	-0.0329783555689014526275975533066224085964744082811412704658664447403419974913552765745508531867209064398141834798147908947	104
88	3	0.296109710757286096784652609418449611406468384118948613002849407467970111149189488407224297761224959411805530428016587828	104
88	5	0.163793767629701973764784644140502379221689448409639921807105536840731330972558865179405220849179000099554588147388067191	104
88	7	0.102448080652251130008743807465029448673138231983244016847799399430336147757952450785211079826435312289539933977717499441	104
88	9	-0.0359045156885387292259135852298507864781531736020682471334461370168347470163689177616949267761022181234549659195298076102	104
88	13	0.0440790194207947510113321380382896172169822439632309327189094730425333907874984994495770436698629467782394107509903028854	104
88	15	-0.0278918724644011650901579253781183376705525668583785252652009156110375169892851622732971525072568380293067276411059533233	104
88	17	0.0227103797445165285310273997439826733723294930160331327544159034749836720316323819532617070482681306849912436446110868292	104
88	19	0.019720561376474416315933975061623819304575543413955046003780259144270458402909065950883679158807556557745041462121239813	104
88	21	-0.0304692435070513055701197143313446581250317305766837900710516848997428726795435215225785583646662274200517943618792108801	104
88	23	0.00420535439123700030388030329120663040464752946625860624064672739993537467667188199844275977768655731557302283547477283766	104
88	25	-0.0391993441997653614073456877986311103063665028639902179198536027560153791619686190031759413648726325781765837517637807085	104
88	27	-0.0407102989834393017218399329052770215245137446017195272041169848012973119279818082590822351430425673404840069327368091943	104
88	29	-0.00559231809530829102192297145077282657296194415689972663424534131774376696446118790824387253924553942180366181348536937566	104
88	31	-0.0101268217420455122356407969331513228114748805764702882751813231462801868347699762988218572544728086807157674178789220575	104
88	35	-0.0391440502586966197642623521383093641218567575471158849995434726595110672666599299964200340468990097704141323832005985981	104
88	37	-0.0150463254169997728663502265869488103202490540380245968372446434470483815640194395463857230149520417591752889843955579225	104
88	39	-0.0368333948634748142623207692042201158636567845168690279520032382808190129693002116615345924746541903847224602363558955688	104
88	41	-0.0208695832003449874844068452414388207451493842603298642142439132913878125892929558691708661977677928879961983009140924496	104
88	43	-0.0110561393259926174670013710085322417548105362678658718024698223091694629432573186507280315155031731453577166467050644982	104
88	45	-0.0434636018344566926639263981646287107821500914451944638345894221482427391816375032073937195056794632902891500328459121978	104
88	47	-0.0148895145915967326908662276685398221958095983193850444969587263304504225139145552033692740796454002849421836257696652396	104
88	49	-0.0335537522089308331763789854886335920302319010122950573421427030578711254565457647032793429853503829991780359743388599505	104
88	51	-0.0335941101084126602300027437478224138759068377866414650330828914057655426828424354606202399576658815840558686150366230110	104
88	53	-0.0195942426473414713761224244864531252690895806651013882414413449078249166405295990745807605432701798767324598277307946036	104
88	57	-0.0373897482464367832363221132075241722637353063533400979028171839275606525135822312970540210919343077454379820976152999745	104
88	59	-0.0283340674179398247731137000434455708392058386944410812317957107919456517395896817306746307400584022196698075429210502321	104
88	61	-0.0212545904824737069944170953386858434137596905911745244966880861157450994633810476153830416818957288152270095775846700494	104
88	63	-0.0333185108264976310950762542809957781289998113633953001151192709160672388897554595267319802780255914595127023255958660366	104
88	65	-0.039955709808908069414309985408007348227302595021330100966223186030226632680298383550248321516648800525739957924698066224	104
88	67	-0.0249008898785103296909448688940848763549600834251149776782486998227936913036414884357074281484848561369125284568292790448	104
88	69	-0.0362441925932977623793234962271218966543795776914425760677433605049913189758744056552201665399656137212044189534707351412	104
88	71	-0.0315226707480096246391203591213104771493785500405061388104094646476588917435302882453633254913870705401088725585432691023	104
88	73	-0.0285789997036972739389269749165267183945375494856896259606903237325243898503604914244445803902270100777086789688053902046	104
88	75	-0.0359364199109368284253964389901413167027923916643800935796398599429684852203040747754379237471979163570674795326953796623	104
88	79	-0.0260830194527945808914487584604645245606436153780041059471188040785780392237451881287043978947256923756980478259809787077	104
88	81	-0.0406981112410826631435562816953827642341704770735389571240119445574245620169836234654041852277554098932543257691179011282	104
88	83	-0.0307400364899101103801395875301295666617377571710984901211700658565683732127922822985518675113264754518616046469313667430	104
88	85	-0.0365325885776532954341489713508315481660349200367954938957106407940751351450132740540370798030180896496340453100446280482	104
88	87	-0.0400717119498632167374157197927379522476680111719732415238832373656184285316359569362866235926926045173950104674191206405	104

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The sum of these constants is = -0.329411878061448125335482252300395050039342442647891702898844876984166398193540881194948277656662439894459461841102008428  
The error from its expected value is = 9.005373993794660354 E-135  
\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*  
Elapsed time for the precomputation: 3 min, 29 sec, 276 millisecc  
Elapsed time for the final computation: 0 min, 0 sec, 43 millisecc  
Total elapsed time: 3 min, 29 sec, 319 millisecc  
\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 89$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

89	1	-0.0161694362340370167324943214828654933557744803537716873160562278979503896458745094954248939608185191582967396828420569793	104
89	2	0.481088424661342342298254709007382956390076292710013925700891804267534771621478347546420509432387918561129708964914780652	104
89	3	0.319747030323798963460730251243168236883303686359273838778036598223110731611547126177903066111191889275254214660758542815	104
89	4	-0.0164536857909597419670176489826577794653461616742615332664506204497042199596601822331607985028351085550130694155261540986	104
89	5	0.178416102172646178140441301216131582698180714020679724808859259120064616555614992723162402204545180499510897829713847375	104
89	6	-0.0214223656050946337029886632011485143297150142522898052526611362377621279170995183170408100403494409507442134075977889025	104
89	7	0.124913797533483637657331325172600347227559631488166085057985777315110224575219742598196570624223301002582406474161900372	104
89	8	-0.00824201828676680453078772287548878152190713226886846257268889704901414111850794774076748091491505039383912200820786572089	104
89	9	-0.0218816662617086884646272648437339606024485436006590274801647203428823819679601808071712306483868237281743990493958760613	104
89	10	-0.0170357484980832329908165510995237123010889928665969794931003140355234523247519387772383541635718815802208678429092839959	104
89	11	0.0713628145688277459290454154712738157996681192282334810425361447640739230390797716053416466433193550479799749289940280557	104
89	12	-0.00971633258618534854088543073377123386751283696192808193625301330526837513357677057869005508922429160257496119041508913765	104
89	13	0.0619581601025160656208056681617494432039542758709966329456386616179895613551852222489882441677328855915282796279546290506	104
89	14	-0.00848256378737308512925532047165461443572981367800374435568784371842219790628802721562608582040090043763401807623946262972	104
89	15	-0.0157699803801674179120948818221850377004962944189444643554626461123886070875801897313513935913036953262529219835249440983	104
89	16	-0.0169966865307217588997840440939461815846333021326040430808541591323596199846708496076082214272734874395630897090580903364	104
89	17	0.0401534513735959054903171283026200331937371686970064259405541839344744639393541627411607506708165781513077674222611841745	104
89	18	-0.00790198859826639748192947063492502386611821050217702938918166434356595599884956951639830678915007298525262421315084631554	104
89	19	0.0360154554654986234609960332802759448904898677511594509119697553337535112384347457701498398373535279316115119291755049236	104
89	20	-0.0105160565309847292172333375821026999597097715627324018923417420273985970356893502197740023278330053467179449488315704850	104
89	21	-0.0154398877310335985361441958599894233522476557233006086163041495776779397658782069938433189935190900564428669345988962782	104
89	22	-0.0192718301039328416783611039713690210850588894097931030037758926210060967226025186808665793666223789170975567212571168875	104
89	23	0.0262495632074549273703724725791302424533542629238418234487775295291173515855458431780606841249161728204278871905652426734	104
89	24	-0.0125437213463842449366844290723631926293492664994999160529757684834942998864050126372593588114522638334216207221367805046	104
89	25	-0.0212026249323429741429985106000153951981421498341271188990225548805580345887470055995968381310015294548922431047641305406	104
89	26	-0.0175692566946459388747446822304094731029644192188914487188057890943675955017596674876034674769623825195973665165846844262	104
89	27	-0.018585039096775397707445969445058996935049339521584535512899794630171591077027950284067794449481593154790602049228293076	104
89	28	-0.0213815498660725562622967636003318843549035323166524126815621467468529823306263748487415197454157195822001079651548716091	104
89	29	0.0163292549986806746417091374148074971994710728851513779532470670554828621762493787144941783531137851455295723003812801448	104
89	30	-0.018877418570141063920082294883401867901882531704897658517317799674534017453914461374596957350537297743012017623383815659	104
89	31	0.0122829423781462361866661158189885361458240798513694616689681257349748527229598464964501270975114195205921276715007457057	104
89	32	-0.0219535576534226723356904416536808093335137240416470025013659955983532265997647477360854979767525295887807731563014782557	104
89	33	-0.0148150929475820132792318761244067809841632225901239100552192282240054367314243860411623975774528714824497689222099121095	104
89	34	-0.0194021991593187378074520932500871460199966721093786544782111228481051338335911316929840728558273706845141223887859303251	104
89	35	-0.0193698362172403152236548044658296568206703775055396714857845295438806409816886245486262079055381814833069382646453614422	104
89	36	-0.0195101520466436790188242724434583159073160772893685353481020343122520181781562975766646901289366722730301027402662980766	104
89	37	0.00587640522836085829353691218359568760403627134735632610680744286916887296084970845329905837934304190030131379315698189326	104
89	38	-0.0114784250657014084856843888099799075051494506730553626810997809264516538247850727318328739703565211407006492190288490483	104
89	39	-0.0202082773028991825258649819489472008850344489584629950339799784731413005112517084749545766699715122438878107209127319266	104
89	40	-0.0185735102641058962700485231829290044628666752873720050684061201517954237337654623741160433160506535539812243589417217191	104
89	41	0.00520156268111366080588796327729857061501410735410084968635810515745692913613338650499561741994511930167000408210389948247	104
89	42	-0.0111521553408097765090581268119886303790547404406858067961326942038860001622421581718550994436650660856074506912653609602	104
89	43	0.00307514007085996979971233328979343537643449892142319009114251214302713169950220878256220040574847306574100989767241451666	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 89$  IS IN THE NEXT PAGE



89 44 -0.0184225585818967614343588219635063221518409671226862361060812571793439244300398931673774170109058763305012035481945341690 104

89 45 -0.014229220689785149515524239079217118520257611803905755353878837028970178422054893894318865455777626695484985521022878453 104

89 46 -0.0162687114455429029603899588498657607496438309534907912300309590625129947693971670035011552286949477182577587903371936462 104

89 47 -0.000174969846370447017843858168689917086934959918596179000800425036272730503608445819057988958053093819429991778998993240058 104

89 48 -0.0152165653776155261078788587809824279762034538978396366330947127443112526939996969072146224155605989949514413981137517081 104

89 49 -0.0166032950497033592898148105795088404488149966517691303193455761185140169390352088558001756541278067506412153104265824025 104

89 50 -0.0112844075569471810567770912109244135819881862737481288331356701326368638935451650545960123283913883337297934090691770424 104

89 51 -0.0164161189465789379411867107454779429167527239321425467868046443663008765993603914212933637368274519061184838214254711128 104

89 52 -0.0202879601815900863193158842207863662206247452139970817058425315642155924776883871339998936969017324749550605929969943529 104

89 53 0.000291202506928132984865691369306641926482767035513048232862714803877519587983580989716916796811717744671941164349493559617 104

89 54 -0.0184154049579308236353517955605903083013593597440492545745723852791946227385993180997786957227754246018139968274531713218 104

89 55 -0.0167428023994445872189439427100621524183835207527901469535981534829110972949168826579118378718785966934220186477308753661 104

89 56 -0.0208993570847188229007978534940984281456106705453330316429681058547296106260588340186636485336577815758355594500992940572 104

89 57 -0.0190916248639623019103941817511582352420430398484451671027513886980121918470633665783510102565035457028018579086425763642 104

89 58 -0.0198727251136175172930148864929927039079822410122030031461159309823740490490202514392332486484033721214964028715054055420 104

89 59 -0.00352953666925788715985416909779750799726900185695152857578395718983728655388723417008906053469774249635039712823860737694 104

89 60 -0.0135754649094353537075145693926905541519374526681899034097505672699395823152790785202434218421910567336041047786559932198 104

89 61 0.000139405335094967111738255561983774869428773945462171076672631521907403562214087881725886230284124982404148584373705628056 104

89 62 -0.0141335827594841777549481137419155631726413137400617469554903100842669088608090717383011573323992554378867305348615981846 104

89 63 -0.0146772750265194608052387692400928192234522068883920836044415613806939313097836002075441771323693501747242398059545125583 104

89 64 -0.0170144695804342159745964727630497644527057150570558779292471237674162144971703246324788404551392603613519002680492183400 104

89 65 -0.0174223146591308693647367163881832137870509768216978323487001929253208958160996891330963164789769580548491309632042639011 104

89 66 -0.0210996918843227676585125917502006270310567019544272769479995941767475801353895452163330225832741323180262761377142092035 104

89 67 -0.00479786999552195493045158336025763653181810547250208281658730995220154629967825606675286380094431539954683554186139456727 104

89 68 -0.0151099227546650500809061493314707755522448788167677851273904865942973971765862372657918994508063622543036515742340811347 104

89 69 -0.0219805731414855385518296818117885341372048202005294725265485195128827336984640067172142054767719905155870601495715504545 104

89 70 -0.0186468107641865705004988012744266654877572651196525643968226242162485619923525093863700019757015293710489694099093275603 104

89 71 -0.00861545611769132211725200184417988790126438029656834267433223199533631824062945790493619270745614594890733439351939256466 104

89 72 -0.0210317577842902897072038252076832253563817723871457074036899935086616955497599627509680184449905535870501665178038628603 104

89 73 -0.00352187779620856921641169123729200355919411419979127123875125934936221030885565699644749892895527644817997180516193611359 104

89 74 -0.0148935329873049793946245726188736569206470095380350285760363129846337102519811667317265200918581293851511330361945524330 104

89 75 -0.0185264237500182901382930341489168807978372154530767811367092058270844330206123847836468630115792222103793890235364370442 104

89 76 -0.0197497937405588528693683466970281734574276626529760550460486582143494202323260630729758528116756199708716284044242297140 104

89 77 -0.0201381507734514943395641417163936934567220157569422447628170066287947873081902503161649818564135109267295002918343144559 104

89 78 -0.0134295869059240096297897778553767506132470175145072530329110611079240353272777271767411711528432329960514181996179045240 104

89 79 -0.00483070561621234731022904904168079499305400039887126563409682568450454748991738497092650288094827353172205230028754265409 104

89 80 -0.0178604953763886053716523217941464061020142460048046214576197665579919131262405633723032272869114705975817815789341221450 104

89 81 -0.0213516871369223735801183657023586936526518831482694275048366700189394699076196207399826473922853319756779338317239128073 104

89 82 -0.017487217299646285774297071580395080986164099367805572653057344587038717621715595180324524344214646800005504431134412507 104

89 83 -0.00582847182834795246599973671454689583917404411412539296251695283602039359057536445465948115028667869146496252750472523239 104

89 84 -0.0151443144756493119197836881630407627080346259434850752133448332831932825349702868492665625340146640802372825431164934050 104

89 85 -0.0150072471866229377600476432204219225804274535784738830167807679971412381437310679148621293342543718060361528559392675084 104

89 86 -0.0169695088438432392826716305921132356445913116591671200237840740586654934437737214112784970930386862188053862224841412006 104

89 87 -0.0187730699533445278907660792732377436889722279649072896570906080886866477249002164114755927140312837554596134930320125905 104

89 88 -0.0218438677649110878349471458002351221486932985975135759554580436300077283676733997889830683402324359105251747727250220712 104

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The sum of these constants is = 0.250261257791463008474527962204201477029094738148839655630266461115935746852424389489423530310651145396653919159919442032

The error from its expected value is = 3.422548037529262769 E-134

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 15 min, 43 sec, 273 millisc

Elapsed time for the final computation: 0 min, 0 sec, 140 millisc

Total elapsed time: 15 min, 43 sec, 413 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 90$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

90	1	-0.0671989954367448038289600338255698733434789645504630111002036265600599926503386214956595867099987453481554986889414046586	104
90	7	0.0853264130016975162538425068308532967160876994446306457687050273438037852619994904059995145156511296873563226880334047188	104
90	11	0.0362348122776056268436621543989284823147854973406537632096429176739939496005838038334536693858805797073068635470437662122	104
90	13	0.0231283341866608598061042119426979631367324891521526679220738181807606149485835403702866078914036218849418604633170875639	104
90	17	0.000726927843213649916848469393476004475643155839895933617676651898444996658170334930331445738339188183059349869345241911265	104
90	19	-0.00773101107306439342916508202761358026171010834671135706624365921093655769636565638097157890861061544504938286276359919612	104
90	23	-0.0153690871309337594691656926713126050554932303212163017082576717755881907053416808991065378379966587634669059879458155855	104
90	29	-0.0364791974430310203372322138212932815803571407507442080393511119743303171153275031316906013313667544567655862588599978723	104
90	31	-0.0383347606380324470966417808797479811552233757813003350188884947486909102039055418698391969421905431075872875139242568150	104
90	37	-0.0334143956969420781923171201953191786232318607889019876320118962852703523313451409055409523661728092375545782649817986917	104
90	41	-0.0390841332679194165189323093968412972079697908107257578049374270906847243151171567042598073415210658577078922261453709253	104
90	43	-0.0447844934947309210965845850175355689129449083494128479707474301463557352839669079514461075825268449555256040877904551169	104
90	47	-0.0397101494734775174599445103340907712853249184372656664005516255757121924895178049555921278851295594057754597484975619520	104
90	49	-0.0615452395270840073595878325407632606369381016652106298118808787184175686736200218250275382715346863125172997583231611905	104
90	53	-0.0509647003015102617165166810741878974805356764699440239445508461598553476126728168441329970979363134757771093196637702349	104
90	59	-0.0454735075459238896969359018142821342501306175681788237612128582432976295032515153897809539768963329843878944535378361642	104
90	61	-0.0451142228887902811967209172898702748935110995179061025626017870781260444172323020653374314596388316002476461981529751499	104
90	67	-0.0525857489359404718984046086352690814085481200879562454180479053452514331596897527429696529871212482629002160205479468859	104
90	71	-0.0553371500333776613417750566809345866994828860169057132063452224571678079986249552521289645686148056682010821485008257186	104
90	73	-0.0540138299361186300425026976694695465357569522836260090982997077383991610589588955367197673631732421084303549257417483138	104
90	77	-0.0642465703865758804579819087603808211073082114903272274535355921279513662996707120375154418829278993687122162981807424548	104
90	79	-0.0606225290703534710387116279155788095600655617693066790365734419631276972985113686114567407384338132914881942519069183934	104
90	83	-0.0526791526149238609681642600821079142273534970860991193378812788894219663852726390929219338269324583844223409547694287704	104
90	89	-0.0525637328993934292521190166584247566996505047572650912872450724167671737065712994671640203516379737466937326820901371687	104

The sum of these constants is = -0.771836120485690549577906494724637474281766685072134127141269119408408822435965123619190701899086682318701886083526250852

The error from its expected value is = 1.4675424286183890949 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 0 min, 53 sec, 386 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 21 millisecc

Total elapsed time: 0 min, 53 sec, 407 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 91$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

91	1	-0.0240283743693321104524541671166823531729180908816095580450607420447568455659266659732836020734296732222509044392284269354	104
91	2	0.476271732312532069494164938441281783204672301512709779336052760191878131858979532779374273314705975734632089805911114842	104
91	3	0.310046688041737061288461927846416572980723503102038515572190191192848330040841169184650851373708501703189309735369520578	104
91	4	-0.0206403981710520167378169623520498013524232078034754434005873319181955355665658473291523316230945826974236029959214941849	104
91	5	0.174760687564948086598069768542261184112779343391933258295992695063500740565578940657264128226703207324297405653829518036	104
91	6	-0.0131529102598303284737635950522929975090211305947434486540214206905221681518435040453492355561512797982547096026593402477	104
91	8	-0.0195454438258937847549570771390721618782017624422256662920049129248251925439896438156151930069648222691214815975436565001	104
91	9	-0.0190290712610290190472358344870661327398691187764685901593756445081402770101307170291650890594052745708096155907244635164	104
91	10	-0.0115679674947027719555623280036638008761212876860029321084977307599818913409195962611160518035542892613941985312541226798	104
91	11	0.072711773446291954496125228479647162609050484248972216260890233207294521928679037122760777473251995581062640836549381896	104
91	12	-0.0146329396721549870520848396200131996679582230732303695313345992255375130782799002237017199031134319925848062226318645230	104
91	15	-0.0171794521556809552620181289414666617551864022219663256877158816805614375150792979418758315499183807132088899567379657662	104
91	16	-0.0163485661525782954277237118485655755986334424799778979459220956563353013158542926541787665801302738849956659334351932453	104
91	17	0.0386330862534054365668538538224074176376811369164832052432043561046608971049081939238428181915858517758283598112609096629	104
91	18	-0.0158973481454562163363580882359468508451842606542560279121783990982227666932539402927627638290240733615632318655191675913	104
91	19	0.0288442543562151311896500284804887337062942692475645440532118438062486593243301190470368020220215077056570066856363521423	104
91	20	-0.0212150450509136770308836944620391178852605270835849281453802729804453546483878864589221843701380597351166040028336324944	104
91	22	-0.0171240592698796317245373654160245328957489228361647805997383096809040526944192126786961452575959335473523125164830408797	104
91	23	0.0196264076371392387278445962292677238145224103454174738620639631842501344490496343411566611176927370852807091702522927554	104
91	24	-0.0237594585407363365646801613490479223775145683944617592760174023017080948065457635778447997089143784270120433870039661001	104
91	25	-0.0218583807772166167047024376353015806875773273557634905891484200398486641423084276042631215472629781656546580917061756733	104
91	27	-0.0247670947858064023014592878588170044434813728574953206052269995753319735492496236106575967109910285564893973496910918695	104
91	29	0.0133737498666117834223670905728148643676776715896659658253954901930664921204049282233065100821361497486497691628398206323	104
91	30	-0.0262591722968065143689577663699463786209441219540424345955358286163518216985125768599455883905407166979684965826379253825	104
91	31	0.00913202769510457898753659208107932708379402084362762056409892030756294182708616751104003383285312891774207969301086900059	104
91	32	-0.024949909980905107593959477190397604340978076733424703334247737787257481673672839860277804103280303451336689172911092218	104
91	33	-0.0232703420022453780387658843440970583532867769419059010403934126570062293083114233132025946929625948138079476165511858792	104
91	34	-0.0224262200773114674148357128278836746672199207500362091410580497309577842308545455535989408087004505396606288075896629332	104
91	36	-0.015944850663732346218905190128082171672608855208370595917807718370454502963564825173063245799441215439277010289517148388	104
91	37	0.00420139011917513942854309344003838276441124546104003374841927249754641397975014240447146852110371399439781378657736044589	104
91	38	-0.0219144854503544287527675243317516335389571603101825357108205596745201874799742163285579729941181244927087059186728936209	104
91	40	-0.0142851245996462570282611845456031575828364987576338976655289979062118693708768282523301377347896551808064421046963899553	104
91	41	0.00423727608268679785589837322112375111759489140329110751118587051264294043706875294854762761430033467776943101521070152866	104
91	43	-0.00362000566700274213015541293274849309738105905023118207344413196895533518839965428652348457799529719904304343465956949801	104
91	44	-0.0212720171973232807957754309472547397311069364636143111335469504292217256423335836206040481868310132480154235392651183196	104
91	45	-0.0189204374831008569997456144609334952012302978546104644519189893449605448149311611588542695068106070536589756951101802566	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 91$  IS IN THE NEXT PAGE

91	46	-0.0188201170594959033410439815183481273773970016125756241243508993366362055641427472837534637979550972052002200988349129884	104
91	47	0.000274672189671477598010164891513824286991598878594759668286908060537560266739059860611646347207219187242458558899327769094	104
91	48	-0.0164223782290448839710332158916770074042972045215686041834475474554739239995642689402945713515311017599960519080927010951	104
91	50	-0.0263943266369471080949520619855342956443546175865359150864457652993162435663553615662450710107991929348952447607092095325	104
91	51	-0.0226325663051341213774766103147826515645335840552174885481286429592857664926419055742667163757567388164932043587092190544	104
91	53	-0.00641535176411695058290587761327328166477084445370849126798945810714017395545168768556392889635821961055873313041693687916	104
91	54	-0.0233047380920355346519171277635878059953133787248937665090038542568869940540273830468700465370015393531437335057484100417	104
91	55	-0.0226795307672351893511009510998992228096670003390103593008049695624646322176255881472174618822339179238374624820170143774	104
91	57	-0.0200264447800569631282140386317113858860301426064216424992639217947388434575051799491490001555110244719721996908065097837	104
91	58	-0.0155650363750231151912984338351090956899775104286585052177116762471840467023932217815466011875541124473969230974933920168	104
91	59	-0.0034478447882964953983541249907243555482123824192511682567533019489831356449315565645502335053587714150756323618688194261	104
91	60	-0.0200340481724969613960143323415300764355181009781115727928161850080642494179198712333126925525704914007953922620810327854	104
91	61	-0.00746960946167710831022320478378004546873305211207822383808925764450498396641484193235360922120436066114074022498637054616	104
91	62	-0.0251569060525680167174936964732163881645435671153136419029851707991821594745571722636620726004344414152901880823725420097	104
91	64	-0.0220818752617607857309835108206118320347174899372481834260425866566540513141201701550455485473994006217738378069492108315	104
91	66	-0.0186564638626028109529955324830891253499995429798059940798728506120413751768585359974054006110000493809722340283205156664	104
91	67	-0.00704556541497463294093927967328945443097468748945511059404365025654143437784595081264109771225073259458435716150142595076	104
91	68	-0.0233298953610710537138988019625133654918000719718797278041645301171984537131389940441294851558130372674114549136681106196	104
91	69	-0.0199243738699824170906839703884929896290457701962308556347140722847220594361115652307189917919300050852704277632648422444	104
91	71	-0.0114182590923179262705738555892730705726617033143102532004868013885508504709287773305856498466718492310414908707377212574	104
91	72	-0.0194306786527625409153327716433070558300409341136728114918210221334013088318602381254265705394659664326245072250989516428	104
91	73	-0.0118446538462298158688903277724046267512639617861188513329536450001574963567105577335361409229343372990641015068702344682	104
91	74	-0.024000444557657711629102814744086519738759878892998922502199514317115858976877578892815730478182922211124268597440522675	104
91	75	-0.0211805445152862026266928844336141534265706459537880469500824794904410099846621926167727848159750450237168510833101732799	104
91	76	-0.0184890118434833863622298276205183374601519870142881611145074326282312161461079647165468708645426397629308585748418325674	104
91	79	-0.012533372099336119507978634627572178925624599940952473377628976970830306907152497615088618593004644238644616898973181642	104
91	80	-0.0248578446728737126111396721170475933871681338630336481939459321503247634955241911478259639536118004494131379544086888484	104
91	81	-0.0219498597351791056054001357103620779016551244436521607871514809293951734939868095611645052843684874632927837262426533616	104
91	82	-0.0187219960990737761189103562499840836973059173327219114391105270174666521061088047984465204556206777662267164661805657652	104
91	83	-0.0145962662697706585288654913564984634905693388473355736940759847026979221782600841953210057372705913806388244902547742367	104
91	85	-0.0230858006885787237513552918198424201177638611903103517839634184651610410990315054623405267121355225604839723592326535058	104
91	86	-0.0210113203579198934209046793338149518625870055923668475159734154150232313345387616278761235739726491320207983237728791850	104
91	87	-0.0218017556772375730280848373131319554813343245023513360105816417498722739204097648738479192464690509458855246677976658234	104
91	88	-0.020780016730720727593537563555569278212635829883624159857214789998998958295799908449592951968598050056643517155006681942	104
91	89	-0.0114100872369207280670551605733860643121869022533981699163056012684976281821844582106631113104124775426987834150951698538	104
91	90	-0.0202686928003501659364926320628910545114712695896074950442809564486221203098425839871757566088990281274983149624812699824	104

The sum of these constants is = 0.0417169930674230035356466188284760788317864284809794259722839941447047306775879899339228512144664312344116670300268627007

The error from its expected value is = -4.838051962478205807 E-136

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 9 min, 58 sec, 194 millisc

Elapsed time for the final computation: 0 min, 0 sec, 96 millisc

Total elapsed time: 9 min, 58 sec, 290 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 92$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

92	1	-0.0365469858365401415516506139707420304530176641718155111003304847229212256439973420538949785310193655554558098735957527211	104
92	3	0.293631070044969060284783676173271706379511056954079995418341664105218410856471078049538314310364864830704984922110431825	104
92	5	0.174399554032714396993681075270203339330610659568738905106559462786821483629742545222523685135442432065643572368780850129	104
92	7	0.111136960069051705814505066923830638077488436896094248768129864911046386838706931317332696220701953136348640789320351332	104
92	9	-0.0257552369831575078296689729676670077987051934889120332213924042952470636759209422106073756604282722741988979623182648515	104
92	11	0.0609276863202830991621378669903873729940676484087646520380392626844607531705712765933098038415331893961356764805067012617	104
92	13	0.0379231630307359207558039411805606835054171596705392221584522971067207526976735154662761413881564088946738707481045561166	104
92	15	-0.0236553758273744841831343194611110029306122549126357540345226898339260621877560261232731091408290610179202770890506489994	104
92	17	0.0316629767773723241946833785577292590123449330865297566685274237329878533276902749275940112626897257359498062730186082588	104
92	19	0.0144846773724790064626662662232928906331372659974833035030397243196660828391889218690342490325788367923276424605237755845	104
92	21	-0.0294187482861813332308826292299899565275035848271904643978122787528252908496565384601770260060286896705253312028357741860	104
92	25	-0.0405009133672240217149445529239405606684491186814045256021679688236232471070343135583098082922988569565723197404553141277	104
92	27	-0.0361318602693069109713951082979679066783007180613438361238867979335183784500331105470934169882461815082152722129632672020	104
92	29	-0.00466537871601507606832574791718873441891766847836325967502604150523261530677259546308136315739682367836509529846899947725	104
92	31	-0.00487016039037395832281541913232670884119214451135652394719130748664643944735260062538720272054036012805543660030506975253	104
92	33	-0.0373954598362617096745859133460940426660793238579792598250073886483994473070466741443476151137444895368914080561857733394	104
92	35	-0.0309001801535110906685724336760590975447221328562574729260968370071557357421134009243116866312814849506689869681174667544	104
92	37	-0.0117334144462280561633372503707677933720423866763385597822278117043029920450462232337083506804928176372494223242576964384	104
92	39	-0.0263740441999522797581522166902000107581962225341120738858738542780689736578239119023840693603100327598833108358692994708	104
92	41	-0.0125104616277770467358401356769136471027398981111347015811060326479414777202109881892383992794261236626911664059494249500	104
92	43	-0.0141264012851343381024518796946338856934697945922660210641618152078128685336762517699675415029509141305709266884209900738	104
92	45	-0.0326864368067268719647023845523667186616281026024194660562529761189885865142835549442809917571254232750903188793110684405	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 92$  IS IN THE NEXT PAGE

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92 47 -0.0115357432310949321122412385341234876202337049144094825034639339552409829606418603025862108882207553691575062381137079911 104
92 49 -0.0341383628099546952709133880815475109592442890716885020117460750111826173120644793646617122363009798316385523941799335796 104
92 51 -0.0393717300202317934895369507026837755848380350627285788281512889951946946772637408368540005268997348570024927502612841883 104
92 53 -0.0218854407541088217696079167044513187988077756059361688731422513767215830651963813619300989658180944898168256314910701967 104
92 55 -0.0354711815628210888486379130009007573611157374962729734206017548192036363366561163056273252577261956831795884702199862227 104
92 57 -0.0305771332580056976696603428497018348277432175355808240656417833395855982207625983705440749152921289236786716164413713376 104
92 59 -0.0184982470701939274948254192003977852055572848602817411571796268363363830754707485606192894194158704856414463600930369899 104
92 61 -0.0217915830171756617073474232106621734750826241225840509518710510178484186776319744141006427497672786521353491045762324370 104
92 63 -0.0391199368626976499894256410617135565583862386980257383640736976567224973671800868250815574118399398569887244210809631934 104
92 65 -0.0326479329523393171052268993715843885077856633158714709613528923893534391439086362804716155522453212797337202269832906621 104
92 67 -0.0231515676671961278272024637538896756958478788272653636360611040297927965363429774014303380773415614791905289974978643420 104
92 71 -0.0184715737190979667798111426843838047957777383769512000733231068087636058519025718377724486173666005805597732959646602397 104
92 73 -0.0223972207482906523508712633326700614402203990536132207435310238487054137123362653480514300470562797289943545418078343525 104
92 75 -0.0338367344863001117710775935596472372246711782810462161778336987325361124097753514277654030857656767468061703154059489654 104
92 77 -0.0408601900178035444683452400262175890292975286246956346725315257264965644634938589903225582645831463109864314790267359168 104
92 79 -0.0241984681734682457874414161961030421317105775639312264144328537438252995592271469936374527473995905652839018964897131386 104
92 81 -0.0333620107794810749959029337470960615361931190970059713004239093957981671236964909879508695068476209362499601772104530996 104
92 83 -0.0267671937009047754388218852632639684398279349785666011885061699860553960553731329545331260915756076036711087815814532104 104
92 85 -0.0392303910196332328473945455704400431665139705942342790676502275015411234009706680313760443573086164107374508033606811362 104
92 87 -0.0319584959691256952690755242725442618782072623922732531247886415652299015869901888873542075434154869865395182098504439767 104
92 89 -0.0226244488040933774789053825978756658026055906559789010023032392599643845523337606647173825108865850741837000442654941106 104
92 91 -0.0369804910137447298914066789067998832475056852633426244030111146723316704456023886514068505098548781991447300289860045634 104

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The sum of these constants is = -0.281981048021922433635877509217391097470172482173583402503587959988118967363501355503248672913579435941890291880627700128

The error from its expected value is = 3.828371552917536769 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 5 min, 1 sec, 917 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 45 millisecc

Total elapsed time: 5 min, 1 sec, 962 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 93$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

93	1	-0.0289233389077598418658276919064174272156754696953427762691655834325391728743568133607526434915023716628934303596310015857	104
93	2	0.475249036414835593157681353988852315373643395159022528226017892808697610099005562542532184656788510625089794336191476564	104
93	4	-0.0181729451882465131741994279077161464835339151226630605724423593189883660988218223057407525106402201766341403209086837967	104
93	5	0.174968767688343509570354751968777148990119196631595415544413340126075404843999359311736971247748518636571579147703047098	104
93	7	0.120491143996455788417327952973883519871429960263775218848426422405443747271014070218621195055713385915479500012278591536	104
93	8	-0.0210734546406720081287574394571542260775057630758203955222632832846509001622809774731901776112628411391761568879465642127	104
93	10	-0.0212579494179208479865421950226390313190460463742297063380332745820516513430162744113479550406581690882297389953438693306	104
93	11	0.0686460918281788180653465630680481195129603613892868027431021938617681644405234089115329843564527640381203975962844368300	104
93	13	0.0531291038491130076988751409376464722875287081276420423096334930323776488021505836787203444989681345890754663731067361530	104
93	14	-0.0169115850803290036271029593614877198445255012036358293955757414820578455329308151895552369054295011271674316022669240254	104
93	16	-0.0212385536845049291910445146728877599860981568002537671655854297589916262071864279932698081307018490759415976046138765158	104
93	17	0.0309571257789445694168906531765908215767801222620048844484889029257859581570668157494146825207195638953275600003740901198	104
93	19	0.0225231684184971169636304930240218706097872657446021329973766530762147734842583125331640819554407775576611718691838985674	104
93	20	-0.0210222620849318490361413054503032316021697105899250090471215475063743369861674687637463205337807173488018416884054788819	104
93	22	-0.0274685426911771123190278493923896427022042070305112747731141546340415441662130664908073194162119722106315820628050770649	104
93	23	0.012119183768204393657096911302842281840125651855733088931747821643892571927445890203276579043807341552465944911705680343	104
93	25	-0.0239379736897400215891100878489897260231184076897365768899866145400494359101633028904585673379863743856392718469136203456	104
93	26	-0.0275241995936594791382764682776412774709991121936570656375368470608007159815396571774743691407502467808258631697576980471	104
93	28	-0.0284776978282995921382486648284488239567827510435337185316342207560667190127400410930979930547493154335433746194941143719	104
93	29	0.00657936926232409728319764437536758603533403930941297937876162841320577779654763593349495282491607599503315017965198677116	104
93	32	-0.0277446094297896654679816492552621895626358062848360414684569884299072331341260380600321707440770121677463761807414302320	104
93	34	-0.0197467757536207177766412583628534017823341633194034348345773625259550456113396974587095557036720868692389592531155385407	104
93	35	-0.0302381633553075208516401466178729131735071479289844435583748338294105102296568513713328805569340869193005877496132131739	104
93	37	0.00194736318617689781549160229524073360524290189959456190419768172545725008603906523639205771972389243827015984833077601836	104
93	38	-0.0192550975913066256914056580149351827707841829491904515836355921972186572390172487763752418071657061311265059603039827301	104
93	40	-0.0284862997480917240802244728373023489725605686942391918070628878330383448371952051966430602199290823281708933176296737209	104
93	41	-0.000880832828610102022141470607372306507663066824562324862895493905644712257772715855513884934728630996965958720296531255498	104
93	43	-0.00220637951427425637646591432498113712395524807687725859577351565273889574144407063296769841030349163184700963614743456306	104
93	44	-0.0215928471139953549647473062656141263681366164888679812511817739971193644969100618495791140472170435590817522580980319175	104
93	46	-0.0234466314487445137870638954182727081472052129249590852767367933615850968772890043414835595818491537325492390225472680377	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 93$  IS IN THE NEXT PAGE



93	47	-0.00311753505726198463440361113246864177610377829427345746723522454156176422301166193563478451666189651030209751157689210619	104
93	49	-0.0294624852351293385056423317068860276316651302496963221804319713813798973169619772629095144266315470744361428814619740504	104
93	50	-0.0305103137374220885999621505087753039357275483026820200674172771456062141697164165561752174791922617384341130928247171511	104
93	52	-0.0299975452077697707727797387104426150660601278843725865396407532234107450670375954054806027409438671082985469961710069518	104
93	53	-0.00855369747337595343934171046359290615208277193335248643555616506656160615926149098130679399808906564404221384740523006172	104
93	55	-0.0264720463729878274206572156192469789776286286699809462941577429132401863983129974555798187170653284367193778582983273530	104
93	56	-0.0236010881452262099874492717664170666577352012130546514351874682613474487892829434639786454641816429096832610545237091974	104
93	58	-0.0197934727391379302434372991977592496940725749238704627568140446957580659003764194111184714161191255298726046858554273614	104
93	59	-0.0107982249989587096175470471828275533237477664019844594738363753711727341071282524176567459047442682803426619855545523593	104
93	61	-0.0118511842624810666765562511976073802203166699105034436082383807579083303115418808796336977404795133294725430755702474999	104
93	64	-0.0244272141263002196197024721363446182105686279985440245937814155321312852696885278312729136144842211615339372934349835684	104
93	65	-0.0260851704719371399382159152548289497872524834162770401001344778893914800686824300113361951976613326158561596330219566921	104
93	67	-0.0137756252973785614513706164115597855813699723749026083271133383770927356341196263388866724038708046172954133234338923301	104
93	68	-0.0273627549487822793116067851821986846674468115015863655318828527563149236390876638826705549583056669453307789447565200957	104
93	70	-0.0222974033734927533385647296897811212652234288164737300239565514296749496587812344679297937743508334342700930278058262122	104
93	71	-0.0116535918991022453975988462637088456241993792020693432341808675332163611025328233490787195369435458130902314260339277136	104
93	73	-0.0175114393935940112730551542919033015036251818734196433835544021570272218392251023390280304713275127539247484982990455678	104
93	74	-0.0211774685808749124373641835477210010698231144706995477572842977949930182734599507001005746556010278321780307444665456386	104
93	76	-0.0296514414343503798389846341868708144193841907781547460128739416716168988213848487595478141431403114350665877169806778697	104
93	77	-0.0263844220777531152547111082056302590060360130731377991241395194932249383909146689207917316670611198010025020102920552721	104
93	79	-0.0174084161206325541533264516699379744305983867672791508331787462415500296961351732035741296565845296840562105972899619300	104
93	80	-0.0233701773083359861411645129895536293716335470585558031041381895701807934692817047678439647488128810662374825960986901158	104
93	82	-0.0289742351076064739796123419123477187258550303836201225212442406490027345355094509971803665554280732212784697559621651757	104
93	83	-0.0133712794436677590876007154019319277549559033485002960876931881415937159777665230226101821660172379757912542811707783322	104
93	85	-0.0227461076428705754171847664285298996438941574868272013722977444422446694320564567433075398903141419723555616288164915829	104
93	86	-0.0256501569447125570569494525481166407774929462683488646215370961699978852390878906213632900843457172364669125616104471230	104
93	88	-0.0229190873940368305774325566475090312047028156940744303244210769559576822629164127262436578438122867734657604266335420237	104
93	89	-0.017722861844517503736589923448757294488196687159318475303300039099146966396647192622016776738642884507370067703027745730	104
93	91	-0.0265885318956666087203367402533860796296147590284146417746667179435876575120320383431243028916946999864079749775245577049	104
93	92	-0.0278634210665483480401251681777595394011567463952444110914858115795014008679216432529481512943450899744649017361094387103	104

The sum of these constants is = -0.104094185001819581835971010853669732346282814104392191657398151666473338564997381683706830931344746834830918341590766981

The error from its expected value is = 9.468015668505736095 E-136

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 7 min, 31 sec, 931 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 69 millisecc

Total elapsed time: 7 min, 32 sec, 0 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 94$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

94	1	-0.0349255469870738957139230357601332748110956389787713080214955558105942411775767487708431805810347231746391695398216456309	104
94	3	0.310748644609182286214774547731455675797722473321723515809766323298637318974162100342683694393687884674314985170808524273	104
94	5	0.166917674110251243475303810076905360187337629969064462967874230120639683453333908788106206575478798871845473445790025999	104
94	7	0.117064664390914560910070182892270033633111058899887949140084758968571003217116202363328347757379798121399770954721566055	104
94	9	-0.0252820750543983696623527268116723308726810191188936777131308412666542814853569486360414343031459545879094153427074092703	104
94	11	0.0579212395183440856928601998001579438457694330413741764285870618969010263084803185837219224173074454588594020291882702110	104
94	13	0.0499495619865152470844144350592381568873852452871434673871663153160737918975649120202572615184236422938625789794955616990	104
94	15	-0.0302811857735460630603702043263001121809979274123332929255964545763814542886035143630874433275500045399061369863648581505	104
94	17	0.0212496974559292876343936642148230419124400229413430261060336135082807307743489139881770836467510343623773757086455473206	104
94	19	0.0202586181181924187386046306553811491987815458821349393583992050485670123640488217367073300110772045458281770142812193121	104
94	21	-0.0369613710395166051854027649365696188342452780932679235378956550641666288357467753929210783946520115944647175485486162289	104
94	23	0.00872448005808695581431825843169590369971567568595710312703700256179394782520376413593121341370837013020156694779041731726	104
94	25	-0.0355183389568826767428483980845922955500811188354606183143373874585041864075287197412230471836554246401510026679064330566	104
94	27	-0.0403496215591503677549820176687190156722989958766639508734325849733779266723907769944505160241843991433171366726812363513	104
94	29	0.000159314859312884913877467719752612209659536210699579306907328206248594997688436683665857873425416343497379730350541133893	104
94	31	-0.00527922728690819323040785203650266665574440549446247097101423908978981593081641709174187110274943568334660749101387491641	104
94	33	-0.0292932115000980785158537033542162940884976919083669868930123983943531091424519711634821138169632986270015476060242476263	104
94	35	-0.0317445836744101320411987529377619738870865115287334248975927652798839733119735056546784205081233881407472723241772142856	104
94	37	-0.00388532429928706713461528514503098247812121051120806653226506796873848472619613490972706900508587207609069909981021186559	104
94	39	-0.0363225919251680596655489115843000071647272878965242246673939057066031832707287998618263666811977859515448605111236916858	104
94	41	-0.0118963258936323080460361354377201816195778372065797535066297680085481119709662374020780836346007204158207252978372366098	104
94	43	-0.00513958593004719202683673682827728722378100620575677384133115116969666154302344421061083575025942148301302835069488575734	104
94	45	-0.0269522243210401005183731562252763297860224919810593644500470748482303951389246060692339321010511730079860222994881685324	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 94$  IS IN THE NEXT PAGE

94	49	-0.0381599966900080480896310778134275317665083266402357053855576641862232542808912340787572176642032101058993048898385052629	104
94	51	-0.0348444730856003784152763480115117540573471604105306718132752870698409256580155394069852331319311801099563543404429231483	104
94	53	-0.0149461794738645466841860531800428071660425491397152971471425660095005164439027127783449798621584162592955998921072148565	104
94	55	-0.0278555472085499462544215761313949147871627637889722477240085275761525822294351423198753466121850138704875648891433690900	104
94	57	-0.0306229018326726343766941669519626067098930349104258050527842637885447387755486486286600058825051016779759608441637000210	104
94	59	-0.0229474908686210638578070136566821094226401742825302242144497216973091525906199813053198632697547594948502739582184068074	104
94	61	-0.0222924557846060856370002855458020977134155169838422600500732227800174040812365940714632478112079322564400154884898657590	104
94	63	-0.0298956086263589571008628425985663629945418332000950909815207811002512286480819168100481133186058465311210826002664111848	104
94	65	-0.0379615424555931595293219385142549656890394664839356251067039636776550826083192779916508105901884694720506653190420975030	104
94	67	-0.0206130044500999053264456630068250490029762276561050793827955062494958696660263697405175621678412150908533355038474672099	104
94	69	-0.0279901878765323389097379330870914134601889100402204157124284357801946717686596020564004854486476449334343905340283661893	104
94	71	-0.0230160712129899593426637310765372874358584916783725922721610361300921344870724141139631229039504576725038761331306748459	104
94	73	-0.0185028755788315842826019681794498356280866278770838203756256285240691707640292490332034996578208425252530503309494439399	104
94	75	-0.0347526468377501151623940314137242735005809523968307452931745334001725356891668127742432808015277981190275010732482479504	104
94	77	-0.0355285039262149737261674545688370258491200957834537365847600994808736693459104431592468992782990643625733609841011125441	104
94	79	-0.0206749934011537530983677178847953033403466409263768264111460316441423429134707935041455288638561188316466743545614228426	104
94	81	-0.0347349501071108937091180390132176740206435403132605287550107322110112565848477140885797768980236924369049582734617476355	104
94	83	-0.0237369989665539578971093005048137656842352028336774087629818733636188780072973494515655716127405109742734050214722645453	104
94	85	-0.0289001553458269499702435386842568974257372780405914384651373307486883889382849022637906803611407230745598802731002348784	104
94	87	-0.0330492510293304103211034809902388649015107122264219650588193034444519361857156161545850930159236500808707468033192774785	104
94	89	-0.0261584301313359267460681785555442286128698180979950085881931763896480054666998233086159314967409695481401617450167479987	104
94	91	-0.0370658862630970480222606239128144322478381874953861644921336053094831533827099943275183501578205644687976053194126668076	104
94	93	-0.0346919126499052920287875007881629992703034024261161782392015699302122252197566926181592291218789147821479609323409902450	104

The sum of these constants is = -0.259779382897038067308402948625346694139922713440928453382403871181458467826036045605006304735966114942815361260831215391

The error from its expected value is = 1.1240750517077022854 E-134

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 4 min, 22 sec, 136 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 46 millisecc

Total elapsed time: 4 min, 22 sec, 182 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 95$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

95	1	-0.0198135461814668874185619724662311280547144061925952294724852923378911567510023063013721104194346879691913754718545235901	104
95	2	0.485245909648186036815491227151325208536643025347286115546437821073337543547039297302965304825044363596514898653746913805	104
95	3	0.314799623437068117022386815659586154131131255473703050638010532032809251071365010400564436996733564502482016479285396886	104
95	4	-0.0230515254275502521578360999142972839445495974312741997005295227278210318535056805691707274307377754150920555820331009583	104
95	6	-0.0168241648637502454063896947375558292402796309351672342735537048858488391388130112884727411864015386107301010073074551015	104
95	7	0.122174795924354590907458896827174139885156938254993417289734217967245874687753027146499232199266048481219806300268398163	104
95	8	-0.0116925265572924342187561508977760568501359927359026447799334222792132210908848431933078979512043388950289834882296189051	104
95	9	-0.0195598173770782794714266801884012568767279727280111013151949007650138667053152045454343060969753044769923839255347367876	104
95	11	0.0642877261121825305381581114861124929488129735006833898153484947416247059417328015824222017744985850481556028381817788298	104
95	12	-0.0150931647694536357803106182732274962262606252868442261171029655085979769669675791286876478482089068653575972567825549621	104
95	13	0.0517548474492192105914121016044587222978127463008222273839351836970960804301099870886315784965730089135451062787477551025	104
95	14	-0.0176049799880506650336343350965497677604024517405966736567630984566511640957540393022944931132191935737424195945167820362	104
95	16	-0.0254440213727481596016802554744695715629099562774962289592232485404256575835335306999236551983300263234710995053412302417	104
95	17	0.0358476858438841332481997665749823314653280513146658182278125743488126224572667583885476511682677760004118359637387227370	104
95	18	-0.0158754673060944002552211494831333656258133713998831060646600052807372298558051573796215562334297419793044776754278234513	104
95	21	-0.0193437885580691636554497875421197394997868211881616492360221109979590567434876553692158745813616536780202402559241709921	104
95	22	-0.0217020207057420825196950359139427244124671865867454229894792754599925441730739431337018360851841609769391300592731443769	104
95	23	0.0194193936991622957259197309550091292757056720810050011537687751693373756836469594828342329107866296149122823566687985197	104
95	24	-0.0243093582082771108696205956760542820635382537214245066207939914804719056457230425031680730200243420702014562081864369309	104
95	26	-0.0209557962706122659823625380883732910782281221672370915291974385146700811367056599038846282374400754839370656658139721642	104
95	27	-0.0257426694802004027226887192756504266723240107563740685374386813096045951013237221446420548250340570545135080582340498397	104
95	28	-0.0210912929731242948229126971184388227364644995699361964232502294445950892857842367515051491420544178678101224054598471369	104
95	29	0.0113348068951620448765863869004059182055764872545251832216944696556017878188448514698399452595305407802098655950034228157	104
95	31	0.00797950751989427367520660125378035648290260520980842070501268649977819258939713645049971299333354727078619911724512385973	104
95	32	-0.0159511607023865304468408515206277340607098895797189396283212291929014678240236520198199922626758346710988857853516355853	104
95	33	-0.0214924028413369228735282920755510788599748280172843681368507849612570691283310676040213169746318546665632249572118159323	104
95	34	-0.0247324031874291883151625692732568214373185829072123589618189130059295055316675469598227206696960091463945241395787868503	104
95	36	-0.0183156512406996642883476088449647535763468366812440883485003136572512569411838789957782563770726945648826928167674217746	104
95	37	0.00749948934196429144816791739748885600046366330259307133431618472458180341490612644428037987277378847270180845257947433098	104
95	39	-0.0207112794805409811925915633419696926223505060790144645887589934482895516533819830110552394177452560658699663681013481759	104
95	41	0.000100102794375744899489350670644608146544377468435651020723626644411718673048944290355492118944718278170305031412489938636	104
95	42	-0.0179500956119097594281345727400204804670433893634267388273081352576885624631241817720352483813978910318411213509776583279	104
95	43	0.00178168783865870779497115983193879858370822041678195402220117075759703248650161652660320912265321174997409230416161712905	104
95	44	-0.0191670565756558507827949434714246937486757552619170282958200515157824891846719599587637252720724842662830844603901556614	104
95	46	-0.0222343463607779235334735825904024291443376641194065538963810000644918891053245445389080415653685516570296972910451271105	104
95	47	-0.00294375960041479566527368830140016392183921733638410182266410391008087220404814147808741688115114176435269523153167456740	104
95	48	-0.0234344572624763502256816363183127999889646022424363020973976936039775308930922876644922250264564369125537686548801858574	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 95$  IS IN THE NEXT PAGE

95	49	-0.0201842426959549696531759706521629933896355220282684447913096009804415122652127609764970491016495685291815023904137668664	104
95	51	-0.0183182270350637910661514632007936258182301389017285827442654687052322099487451262766502168965496041389023887569183276546	104
95	52	-0.0226125983043194712800648463453982950648012271154902281096116674508103837037921685582810335417772650895766888617018312163	104
95	53	-0.00579995979635061859478517778486157116661892998224246488313269923808155968628595351605728279976262001806507951577315439094	104
95	54	-0.0189560528389340441642640324679162534764688969752603029979584302705426573593912129651792914729192594630243866348797893671	104
95	56	-0.0184870737582260961512108931677816570829379214102152241704281746905364987566817430572223466052530382390571880839421703163	104
95	58	-0.0270048313802884576043629989621044850528062287118714922574974381379335243149275281372522960977818947585487868513969097411	104
95	59	-0.00737282635514123552521201051631321666651911708918241651756378356974006641889995333204876354040268433327058604988951142127	104
95	61	-0.00442785448941753759692768465451202821617491923350174071266588178094584515582630289940531556744215366557098356977672396744	104
95	62	-0.0160799398639228604047910167482495351927360718368975163684228980956424100465993837729128711449793478098408631652464953752	104
95	63	-0.022988911573418565717750195792134941594675154492582465017154293019655532701999353663619066688556263664966726329496307377	104
95	64	-0.0230395490238853778121082414045371880989516386553663280842019911813077343107847151859268468487639354927689481722610751228	104
95	66	-0.0246994661259635570708496965471720512348366162338362021692637000896526268216449102195556161565468657850400156577140751089	104
95	67	-0.00741925118788580098419276299851509068105262674774339806165969102480251006690327301051236386651643095453226948941300420846	104
95	68	-0.0156971667257567583794269376820220428590733724899901841676103356446264548271629233983393784722867561694428963498021896801	104
95	69	-0.0234878845154638765574112528513158422268154581940828755805846942650401314221465040675066426057777625416233550050782097045	104
95	71	-0.0108933582626794174574223130409019845695156592862160504667914311514581660130162415295157715578106067252483864615285198998	104
95	72	-0.0190287565545880097277580493303850056445518286900528201138394910536740424101843602602298146498509508882743373990677493071	104
95	73	-0.00827929905164611346521445196825637932613456740321443330522343141021935907609213445269857485253457349001685059485874847614	104
95	74	-0.0219731279928502828385527471054642830819156088887735553716363735488426929426956367621781428786022714258291153169548532198	104
95	77	-0.0224385655690946243082325038441696593795080112964081016284308750227064264411194752612453940398199939103183858697254361324	104
95	78	-0.0196512388272890666201962889491492610126382410368532058795655023994838653519931658616178044074731107675004251252965233593	104
95	79	-0.00865459848310806530647974756772841205810602203031123288133255856013983239159304444074484914216186513453863537254065258859	104
95	81	-0.0202820087733671526195838009072599403154690567127605205894892495855779437597095047624908715853983475058623612057417182356	104
95	82	-0.0215116670825443240219818015137689767138198981456073726328270357275002801079570114625713171542768290235047545665319200443	104
95	83	-0.0110998452147402450592184703444060610922433422818768903694069211987463713374944934211486844903214330481535028848167372218	104
95	84	-0.0197205844079507767389297096535067079606529510673971810525037044477562953152128080883942794401284043797792779620692472270	104
95	86	-0.0192436343841930482123228162282723276758772425519891699608019990608506517525311373735360043931820374338467555825239743216	104
95	87	-0.0218546396049109864218482967236465093422691364126328949660667331739158302309030292082292349151338379454382050263075885761	104
95	88	-0.0227750375117193721568738540705987891972881799594679186593126968114962192517415512632266840230938949410843988263473666825	104
95	89	-0.0127371493789467510005749626292842073810443497156361506130875261575734517112119461633155080662596822157206028302797384042	104
95	91	-0.0219188487366766221914878995937626314934955836240190514953494340837582675806081026611172741952683806909142988832610492044	104
95	92	-0.0243431153690405505454622161226989893408908145851371401128933560179965047269988733766235573367065269697867050250181698716	104
95	93	-0.0222227113607979712942578778428293846675450259735828619612499914223431450661243621096901028706882773696914289356738131890	104
95	94	-0.0231191674645629696231941788155472594533874165455815722469749367485032640579557563917991417735064974341680769024084604261	104

The sum of these constants is = 0.0088656339002743627027952596613274379989350693138307851394326349775560898447366307667742103816150720672630261971755035335

The error from its expected value is = -4.634344511426491878 E-136

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 10 min, 40 sec, 676 millisc

Elapsed time for the final computation: 0 min, 0 sec, 97 millisc

Total elapsed time: 10 min, 40 sec, 773 millisc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 96$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

96	1	-0.0417876211784385611805875757154664828304198644582356390676020043696166229176204353081265465041804146432236063891126080092	104
96	5	0.162056141033836913555110710074052842260685122980051330448874983688862251210134263139504514359747153726391971373343189805	104
96	7	0.100803509499900111521769942946862347699445426702881147150809425497820474197921086790514644899528171059884018555867366319	104
96	11	0.0459736420039055350161738004940095976328657043577216640625446919651395087710082130282230563410788151890018015082118830929	104
96	13	0.0293169619341097711701447916332192510831327450836296628914004136591994937385983901994532652386992845277036817675085197578	104
96	17	0.0121164708791075744096628087487451315458587723766529108005922368661289484717578716440515575756978738238958515204628069460	104
96	19	0.00491089095607894644025297896760540189431173831540259671191043837139065044112181735391142602368268563703127657925803988420	104
96	23	-0.00900988738094202746551689696811022637041860446067350218394819540459485473355450529925921089046828731690586046084768641632	104
96	25	-0.0550132437834271797066984941115314047309788483089835830635499064248542758702893227946700963008945182462897682672359541938	104
96	29	-0.0174275375810142477325509735903703791817800553720727409734176418773226911765403705346301865028563269427510127226749059377	104
96	31	-0.0123485046867313552514516179244383930525006466408383331644605418345943096459368182243299239099119351354994409044047447815	104
96	35	-0.0448584546240277698297576825244875125459999844255441656791370746395424633144702319652988445760592121981662581605891445732	104
96	37	-0.0226818691588990355899024458322097331397256649275104830591042620003837857056070317157354375168180004837542187273999254153	104
96	41	-0.0195553508191631917562427489245212827446364947693893284259680511794135657494814340391375962960270992664523813133462637952	104
96	43	-0.0220633814123108494730196124661708706531948367803980454733119329118668563849594766197715466545195073121458772328861977626	104
96	47	-0.0295380434869938828655942727557908546511452596212822663640996999743051783799803237009946550969152335842417131544441812559	104
96	49	-0.0507817453745676018418390674691338913665697960174151269605030153637931306540570273806266932935612096715347700429381224268	104
96	53	-0.0318121648008241597420840395046998949076207675426625878316377220212273680098807814555970258686964911099359155115976224581	104
96	55	-0.0476016462371453059914321352204607282936233036493259164227133857344609995352255305335799252822196527850881466201428212469	104
96	59	-0.0333986532925614415457900554854115641042613644021220042664850705310831142557408142915000660766973954436367674348120889197	104
96	61	-0.0294569322487464695984491405663348621853081255886899076977805270328426460029449421224222085478809377007116411634030316217	104
96	65	-0.0483069321024502058347961637154661924604346243030125107735485677131998517966610455461780621510846471458756054678831104124	104
96	67	-0.0353897721515559936040843198889202271474203835610658267924803393627642590153816894944281877572564713811535974606799162796	104
96	71	-0.0295695474981004052903347113369481649730773983475943863443032144791670243921236142654312611402486135158476129048794153536	104
96	73	-0.0422890480134961933825687212350137076282559940088198651587356409751866331777291009775528766979580771862511301081653940881	104
96	77	-0.0449866490381073496174455596207967300107380730360111313694288790958054794513877709764879709290699080295914831126236655983	104
96	79	-0.0369558566130168543650025824794955190110907704645955693623295146331615706001634610114194565484428498623239599753515853915	104
96	83	-0.0359642993470930683065700527876950311107046737388432218542394867109676092546692594035194150689614391032906246573279523191	104
96	85	-0.0453322662444409959750378583508559167836300784251798479616058795726292834567743704889256077067757110636752118662110666742	104
96	89	-0.0408002697296542658306606632590406042837826199292900727559637190480645256387748420982975286561193177768722963415399967346	104
96	91	-0.0502199547967555622917437095108411593327604618148671535946633095823272979743032662809732603638374838501254875664263247219	104
96	95	-0.0498641051921654276218604263449207128979875002940502226063837269837747521722492992459555760000599255272660998212543302705	104

The sum of these constants is = -0.571836120485690549577906494724637474281766685072134127141269119408408822435965123619190701899086682318701886083526250852

The error from its expected value is = 5.503284107318959105 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 2 min, 13 sec, 278 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 28 millisecc

Total elapsed time: 2 min, 13 sec, 306 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 97$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

97	1	-0.0167792481789000665487918849594657600607175819075223546363591226999878098153335807330307467443270126863311193283346039673	104
97	2	0.485062039743571156509137102509350127961588414546655949904839019282935939183968136232767520336486821348180942349896622607	104
97	3	0.317999458663231737908996060857620341259321233784323323987262954133523896581971411372121700076733713201283137513284139595	104
97	4	-0.00811467760513915996451790560557933138473104172180481861069854452219760999203946379636021010494658342665357261856046607837	104
97	5	0.185750738632071457987059119308677937487847365133474006016549075028287462498934843866718331882270073613818298922429901768	104
97	6	-0.00919354251402462092591001931805349663049413216185857558071660300273392542094142602875247002872305264615148978422432599850	104
97	7	0.125168093406467582238646562047927866029223300107441449887346412461900945841075331051385612521573230583217678090851889170	104
97	8	-0.0193529326995485225598793906531020108520506899879593923134236925522841507036139433082105695646691758156133790390347504916	104
97	9	-0.0173062732498768163978890505659761539931548726507545055616854876908280188854580069579445835583937337010105108936100034100	104
97	10	-0.0111809309558898716921743032606816896211572076453555498138535887156790656675871834422534354860431652081018151748827557140	104
97	11	0.0730977129239950380968465744211339437134622455904980721493015834358977347593164669441494090682829601423504392242932514991	104
97	12	-0.00945680080746082757968528683661796734529389495083361266271781819681746341837240425397936809443428071151808259452302816490	104
97	13	0.0594992827580373224499799762097440652451786153451796276510711589904478006219883595777250943593950947848401641440591097125	104
97	14	-0.0182633295788138943906097946702820091522328919569773083428449046766550517881014991808964434505428366135342029734595179778	104
97	15	-0.019469180439974124267577791212844775361451167095931105110548668718730806241509162368426775469041428775350050722720362603	104
97	16	-0.00740719680341564825017002927267719584929675340636153625072896052737152690977296635601902785870492286498275887002629467015	104
97	17	0.0451801522281923696240929849936897178764931985279186508904087398349273371933193441098738971889001089319718992504810777506	104
97	18	-0.0175092023824870564715004790717868471672442306843804148221753373633001393590483419435024499609785449380844027304442070617	104
97	19	0.0340502769895742762221384007117328484063431509351804513167051705081762910938567439279187718244370864041142889212506615666	104
97	20	-0.0158685827674169283255980946970472002089573360711575772611844717010833632533907154165740550347693466963451177503785758076	104
97	21	-0.0162501010974559799869347282640602515748616699571805845474902035173963280957204702925962330539114921355671950676090259803	104
97	22	-0.0158222994675722673376473639056719762829196514318459972632235997769830120526913163070794082517540090777667564719777885682	104
97	23	0.0235930520325322729553458689871721263247542523859062985735811814145309273238821225395177567713262805712500458817358756040	104
97	24	-0.0180379504568240129387124104752584732737751334933952686949861355214998858625857126581247836546069543240464703065946807561	104
97	25	-0.0194180196917608714807817051442111846391049957812519441899626235162847533818708225427526011371075263942161171116335559025	104
97	26	-0.0162640490032245861603950868675943416990497477022558962707432302563028427938747597166888756017485177425243848211311629250	104
97	27	-0.0197453004404295935951179355295976856039677549964427915501336551257037502397435611006486721416379400315995624506894045114	104
97	28	-0.0192387904528263434644576171801457294102439617144855257940239360225259969794113732982543021501600515550278892635294095498	104
97	29	0.0191596597055182493612459758039628262598404951196019690968174798714757771586112498858365949546095179300302977338502117027	104
97	30	-0.00947342022076669906890334148837654246590521038814418825373378041073021236597885840713519378396268623648737344164901590284	104
97	31	0.0159840715007544205272113707268007587337887250097882769075768500942385029885041854070688485721333482593389910964184203463	104
97	32	-0.0207205614453834631768141367915536466069886480643502116734174500899696250467973818930872159883556447009367031781407659885	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 97$  IS IN THE NEXT PAGE

97	33	-0.0123088014227157112054797578808529444981473271340643712131482761104468958976789479743837176467179585982991430198497399272	104
97	34	-0.0114378196307316597704811161635909108829135750816785681410036496580332146351406189491533812532572387502336427975877754415	104
97	35	-0.0144975273052607965600576792284877893659410957639624829729105987455306750394044838270164551095041986467564100481970003449	104
97	36	-0.0176038851905608740378024032016412815995612508612513753111908472778597836917386828677956056830778541449206040068633998660	104
97	37	0.00885844043908226932764977271432348136166608397420675447906858028176814822065515088924160589221878894184328010324325398959	104
97	38	-0.0168845956925094650626224560886739876960742688553024091147972856611948468858444925672588816356832040092334532134462162256	104
97	39	-0.0155444452775571379775669373993661270532306783991078212090183119874220520519078775691781662415845076770279054087294630862	104
97	40	-0.00839231642522389994556945765200333693911750773581023127329561983831813267493996932615175686961112171322690556519137556190	104
97	41	0.00397951154363044207249891899935079542116360320676981741282213516646807057567368455713123500671368918529150939840000915641	104
97	42	-0.0120898393090111356229942863757934010618495558138552561621339379725139580952710903461717783834402478465566804904932841382	104
97	43	0.00598964441758892691705323073477217474267041713640664865230276217413354481738058368732255224682201566781942277460708939100	104
97	44	-0.0193474972063320027476204573268072300797910140743676346186488583128784528806394037417175142478717021393649367182153808641	104
97	45	-0.0128240231157712114680306049207163618373104543109981546173882492329965243105185039381435525654400578056137245533385870321	104
97	46	-0.0159439493117566481408866491141108755225282871542185453178139497483275433468988065521486933051370343670001369962136137524	104
97	47	0.00588843355697131711263019482599154918094344224238102111903561102188455243027684558470371283389367969301894444355726756500	104
97	48	-0.0189416749196469325265227172298781496464144032302405435455131517370748245609269370607967296744509862583035080491991302680	104
97	49	-0.0173014768846736276933289485534598240710104552073635465665106601529663034601494950520024950308831523591613546618924557213	104
97	50	-0.0194109859359611392003014525734551830271828346261802752892604531311675084477088837288049140030713224226295755976093049016	104
97	51	-0.0164799494179638376852977811960557016165115218929138372909857811468146694214257248265956197480399800552708941250256558536	104
97	52	-0.0138756578438499779487824400557820340089141117143783885744081554173139535271083083329541705901989362252294054542820054644	104
97	53	0.0000850690658805699948390996016803658680542512539260890908932585790909645664499054635804119153761759089168297496792455105250	104
97	54	-0.0134680440881446232831594371195932124997713884989735220910453184904506930246405525651568453637756777935634704051648160315	104
97	55	-0.0173258981475708761472548084237066822482649036786624119321692794062877516204905278468912431357573957954918282047624542983	104
97	56	-0.0137356657351595709481664665438734417665972214035168074710736240089296465987830686209411978561308677251953444862970119403	104
97	57	-0.0166813912281417281023513286269514420001071301228982203548458572396586652549104852554513121823574098936968560742928138648	104
97	58	-0.0172814805721051884839190828876328905915884708681064608882884647533657849217412959460113794730903057871700125985208900746	104
97	59	-0.00116899055866933121303760788909014389785691735941252982388382971666631232386047208303852819200088902064035007814763584974	104
97	60	-0.0124871412109648198622638644486598529203884560954768643842592585023710347523903942742108506727893828415177316328161135373	104
97	61	0.000909291490515308026847666083315387617122013814257793559919891778668548479209438421605505602045831844358524068414213913628	104
97	62	-0.0149776468060042081402401914099817815436269493082634459833305320894981522866749029570926403728315468241334359994060846149	104
97	63	-0.0146396442127116675356535689182863846487157780886953703535850237138828026502402599042360230591531319030735577478532220212	104
97	64	-0.0185918844875061845175402870582736213203938213069419146311210783705321580014990628247971431315651249899352734542842740851	104

THE THIRD PART OF THE CONSTANTS FOR  $q = 97$  IS IN THE NEXT PAGE



97	65	-0.0173154036234407726496863863649261447877945372305930671014364330592510004407187768525557414008820006228465943838980754281	104
97	66	-0.014559500122159758719899688939495626179260938553099239879244782720185806627678558041977982712077403535100724897008290719	104
97	67	-0.00558676522950850218091579718838664824091170131249935639693173960861116051824932177656084909390106594451104634063985928002	104
97	68	-0.017004418111269939161780866151119527336693080354409209467719249273755118349173572985890250531973033888613112326816330814	104
97	69	-0.0127349177580264896551912091931203037023708410037295811038061046667575732278090089590639658095090605799333807911318972096	104
97	70	-0.0139018877829157269875474226766924378804523745280411352489952660769828269419594064786390499274129817520897970421902075248	104
97	71	-0.00474586897640945895664401306007012557024018558859864313432295945764323230879294221524882074661728900207157150908481193780	104
97	72	-0.0176737993140612619006772379180408112113275434501892055638236698157291230581411199281088052334149851903829358241562654194	104
97	73	-0.00428869111785416733856488452128298757237066099947319881680091314936751128446059758395382484110092784813111645162023445952	104
97	74	-0.0185041237150434613043351339758890452805101256639908787234880244371568897626639727310141959944225937766597424980838838737	104
97	75	-0.0139170827734662486795133766949537733752959330954190483170217753915502989184818001467120910499410863029899640493231885855	104
97	76	-0.0123939804654508788262724079334974940201331214230773546297059863270569457712634255904292241895505306793160434648996096180	104
97	77	-0.0143388686361142377740937982360755997799026513635283994848892295132919635087954792592785436358696453318302309981834589790	104
97	78	-0.0175740555968515310513170456963232075088871167886879251526396244928276354983636501253662192217055565375783041058761157705	104
97	79	-0.00430630995758847536444004763592114352305766881507333628367393074344007778793134573619882777712046912004206744475331708470	104
97	80	-0.0202046239978558535940609670126586718254599447757376101070728074967665035949120769866340507109059944102459143233427551807	104
97	81	-0.0185420938723357831775995954353345521478899040960006464225337234510470738778378969389042904022227286826835873465497552064	104
97	82	-0.0116747856459979020927136184300292590621540063111218012611275144704469188020852321031322084789270708486783662709620485870	104
97	83	-0.00420862873159037302309748246080818813141680515182550176811950200605897124317011859814093816844741002323739454983843327550	104
97	84	-0.0127740896692614379000720721426293747542218529431327091052383575526059398293344000700149280739606659242985512126806365810	104
97	85	-0.0194716667505640623861720035722590477737133943147957333230764631245583303558658159008600816787049387046449905282080541967	104
97	86	-0.0193528611016754969812257629657847194924021288658361440741514112784097525952734975023221038872765359987139731384608909555	104
97	87	-0.0149000395525903424829636604230311190654134392400971520286573008908923528063412119334971157771107016465983900809899275007	104
97	88	-0.0176527184839752414952741759024877497729653740204368457479461206497441132989852631112870100825430661089197918715831313446	104
97	89	-0.00516345352438970221721436641758993007862019377131624783835816161160575852400962406050742508250159031578239355708489222106	104
97	90	-0.0194918926021287953721036584058836154564111947194697059943501235668197013708283263057826755531826537425029559923795521422	104
97	91	-0.0168494083198907488590076550321295219346248329764247601216657526975709810289353808888317953338661540717956676616397239633	104
97	92	-0.0161305394290145219438080482718267770882040056224873679440073348766333480609786187186378280336326056255894893664092484333	104
97	93	-0.0199243261061322101888827036420518485863280719166279935134873100527376509105108132552964400463576597536772702560405673703	104
97	94	-0.0129769448753724410603475275164170468265848772843085743810917986015987421265160969141329842709628588187854181270461946135	104
97	95	-0.0181033002550745412258136724513412095950029353986116270280481617958278632585370368851316589122916265815044822756070944088	104
97	96	-0.0146888764167252053799911159361667353962994754343038474161878410800405149217980783607004749629126921405987314166777021348	104

The sum of these constants is = 0.251187934497127319837901065412819570391772833828209515470414729388842036670564086002802425248679640705353096734343164955

The error from its expected value is = 5.039476400336149923 E-134

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 20 min, 11 sec, 746 millisecc

Elapsed time for the final computation: 0 min, 0 sec, 166 millisecc

Total elapsed time: 20 min, 11 sec, 912 millisecc

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 98$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

98	1	-0.0383952684863920821322161070639941810493830716229330687519584792433593255427743892122561533367628455527624859422633307946	104
98	3	0.304021056431873064196943237548805988166215778572135413521217704512345739277980337209424857718527481970663195927113856776	104
98	5	0.171023099103800028774957005677994193504761019772144551665527491236103593515036558446964536044064288640355609618646428622	104
98	9	-0.0314440963912895977385271035105656345633870461516358896528954209546609249141499023154158796870683932985103550565779869306	104
98	11	0.0577984921881582920030089629016312692692570300031558082489049046195899934537019798309506523586738561588814891674814158829	104
98	13	0.0387524773198199390322537910752743858506457633982070364068270214882840263743692925599797847042526738331110860828001948206	104
98	15	-0.0308488781234432845018936660004079864281473384050784587102812430426830431754850524401837040982544420275514053564061453110	104
98	17	0.0195986211959291459426090560288738660025511058980330880059879918031568141798480573173844586028870741635823694357478672252	104
98	19	0.0133682468991354737685431024302483931821681710440417868249463191928123619209146426688883400404916142635835643218066757608	104
98	23	0.00230466052978230098400537223575601311150427544610256409669677957438692490592254963254201234284453969966240236128327790799	104
98	25	-0.0426464147446078110078918995214961000334507782381285495825350699459539325832380496989902758444039952813918010215299272219	104
98	27	-0.0374378875833709478805721139813269166085287877925295697070585292092233564772814019069123461389898007744367047273941134714	104
98	29	0.00233308560558156280643668533115425529561442181769021022072111750936807081583430654147214501778808954199096455806589722387	104
98	31	-0.00521348098329954712333498463423418691742974598650643189539317677049369854224392356171973544384695636289363616441909235374	104
98	33	-0.0296755086999320632857781705675879732453638479682230105462677809214618084204771580905778865382697909560230482795216897812	104
98	37	-0.00907360489043747236343053725846636683525383623283732377648298382849126284556076963346219822208432822925220678461176643198	104
98	39	-0.0345717040577861492932065792031968545235578301880704067435323741527687668615120099520428281617983571327388127971224111093	104
98	41	-0.00991662798955816016947051594244991483752567109150649937090533622416492560560757100534097352280001528535557586063874436775	104
98	43	-0.0142127326094926610520991425558359744841813763198690910907753967401572442972186979449253642578125737444551599610516844148	104
98	45	-0.0401809395057864127328524719641282329191107157504950160961753871226644281056112332579712755502302285123708224278539979423	104
98	47	-0.0204916254313071702344624309848704819160855064070769526745201649012960880922094252347835723587768779601357748585676442374	104
98	51	-0.0336657131710882904921502705612458026928595576006704485268701239396936381405446995686627001277270067472737161887167916032	104
98	53	-0.0138070851162004482850782468960670654968292276080391605950922147008588370782200538858178858583909396549829532637620707362	104
98	55	-0.0357500842987016711227115835534720501728816612239732221574521663925766709526124556259074299264715560434028049471055860163	104
98	57	-0.041351055550115789400672524173224163485146753065571192824292644758579079873942723104714554342782983460233776768253461461	104
98	59	-0.0179742508654979823927358224281064470776004807815304355815890932097390060044860862763945664849012500173077948952800492396	104
98	61	-0.0259216348255906147949948042436744378134105527961459353183704599838689239758892882546070746648424230711925003967489707177	104
98	65	-0.0339681108830202597858976506536530021570536595115291237560890437677588316873954093780583760323366057016070454101966726974	104
98	67	-0.0265481914013369628386445121694166859817049961318087957034259466255316656340949668130208120066312471881133804078647854554	104
98	69	-0.0375278174796028816479828232475546116338177134272541779661245987252571660322213644220492888256645940440174950270288421113	104
98	71	-0.0271149388284457273652853503171653927728471201318686846989084140220163759701582304727281527853053887040096578323457478253	104
98	73	-0.0212037385556608160434975911033523857004832176690784539758586108569921748516705609573217645865285974111337527611974072658	104
98	75	-0.0325587682338833973069868860995917417785467097383743374006076706026698737223632170657217769408930154822899542739771099139	104
98	79	-0.0282847193283593911192816923893314828487478148409356646268883362646006696816424532409907895310456444439767573411707123374	104
98	81	-0.0349108844507019223428814007324834932895739995995886149772486590818925226560451290401721314088974136826953023911501359081	104
98	83	-0.0259500822967160058800246221023463972532897243901238063127142563500631292814587075816460520706598571750468421767738923264	104
98	85	-0.0374853545473675229116141769246628185724360760295787401469200735336970254345106876142671823416036097336101870883734996030	104
98	87	-0.0380063775434451771364991725197497923637457232162275120200580142930908400177864034974070229557085558853962948000950291907	104
98	89	-0.0294694717414985871433572985748331438234488295098035552272295466730836348323688193437199988127346808186385007861407340750	104
98	93	-0.0398506864946537418868493631593245947939136575942981867967130486075334270678305530054680315420373441189208051583030385650	104
98	95	-0.0349938794976903973663985169981207164160837852295115385472853096941745153634329654456284952291174937318364020271567745352	104
98	97	-0.0301080546724031445775127571981500791248133260556663277249660640099302288536007492959638318112659829949887772778239439592	104

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The sum of these constants is = -0.381359930009500073387430304248446998091290494595943650950792928932218346245488933143000225708610491842511409893050060376

The error from its expected value is = 9.434201326832501324 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 3 min, 22 sec, 412 millise

Elapsed time for the final computation: 0 min, 0 sec, 37 millise

Total elapsed time: 3 min, 22 sec, 449 millise

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 99$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

99	1	-0.0246902919843640067888818927471420596833987744479794073093028864687885081995726788681065418488928382278020559827007146809	104
99	2	0.478350936267692421163583582091700554949388860889648399690642552940092410214247299211614862562901596039900430997392818872	104
99	4	-0.0194656665638053976701159280490330172800081307783743811732008930077509365544142059078412875231358992456754033128390209869	104
99	5	0.172890168933907161505041576705953726667577247269651728462340723509318927733564668698045394058083984952366612495239838017	104
99	7	0.112863445425399347543158162575384400035458235233093216603283903200842359618369120239353221043315075632021904963875750734	104
99	8	-0.0196233858199501971079991495795375014783979777547155423158819534718016082950877654128412453405654254579865277573869677134	104
99	10	-0.0195280849826886898044821734203408310546058364498164254411917832663237059385337904560681888236933991303121459420139153711	104
99	13	0.0540564230788524978239282208251391918123618951615350100501950127357800384004764191776219535100547037515641587225321178182	104
99	14	-0.0171711138620687402025325768205131323774756571742890843100485956254964563314879486053289340400508670772847193855214972572	104
99	16	-0.0269356759249561894050171262410574764556141513281953623163109692094192245546325656073361267220828959386053774205449373668	104
99	17	0.0273266236466420502177204561330367493626181075056352131581665578308272868408828002918730568505574879560518734066238230533	104
99	19	0.0239219874173785825586634769051990342744605341811912171610596145510187316184432333461724279790035120692834504203924978527	104
99	20	-0.0265789674988557333941861796405953923621022774573493331243021599104234294786202913094554890050139055516618073387115535765	104
99	23	0.0156285158840372250575261782163778314980956207252966777962056131516600157852976558779250742324961842217957820090201734496	104
99	25	-0.0246141758051562468524039753062543197632858344823579238131126751607440621666024127918415040110462364189378893100151003481	104
99	26	-0.0282511807301380351430133416813913337715108555125630318455766343017038914642807038768078372230434701646331702929943680318	104
99	28	-0.0226524889907771847357372147982346555658534579247416096684281905382011738160871654305946463332440037114510229533872382780	104
99	29	0.00932912371603854001981568322241223844951498699292927759491426230283949229323975389684472719518875215430487189774973238588	104
99	31	0.00466623738561994105932530040447854103628442222332299538773124035441694159415042063522903781475538405639993659575703141790	104
99	32	-0.0244133306138999270216193091603669239356222029638759445358919201245023591426227174406239138369263565812643554344582671210	104
99	34	-0.0271675699865263942933655989992377007523078968454023739539483812719638432191453932679863178430763920693585954372036791917	104
99	35	-0.0241919489462040317378897268009240788768474637529987630096417184839545307117379697015131550230754509128013350426945094013	104
99	37	-0.00106784877695158429648696807359164680885457947030840250766411345056689493591336995378413005511297909551998263911707661718	104
99	38	-0.0245015031601785345868985385976540346771218759371979610228711226808400998051243296309543335253329570932256769987250287236	104
99	40	-0.0204474683508080943287399306084854686117176591612929624626672291518549524922914494356074443188701639283614080103037372886	104
99	41	-0.0019434373275251097221040804133500447050921183192499399571370165067173629313487731531908434679070580004518679390533948338	104
99	43	-0.00124440540983750335474195674766309911015685662623273735288023596499460097317534614116006381995673813969860570248715175356	104
99	46	-0.0287868299994146991595164859143770728551694315473365006633260151773949937947272836367943988940712870124597172352139604541	104
99	47	-0.00628846447888898696749871892107039290679636576697392392710251240517362163944761205438173751783414241312774091254246408115	104
99	49	-0.0301899198960608937043925092238553123853449831942918812265765758541873167066987764718667627467068508514739190063441477439	104

THE SECOND PART OF THE CONSTANTS FOR  $q = 99$  IS IN THE NEXT PAGE

99	50	-0.0206806133225300198071945768656250396108681459303432306843971111228782209145231704336741542566014351684404354476751578062	104
99	52	-0.0220894051269408769895199876654205425314156306690845000798847164604849412817167488135741974444242064333360353635342188627	104
99	53	-0.00613246382651906121462906570415492013166441187159927525290763832397029966818599523423639139976833899025861030331032990148	104
99	56	-0.0291433654146152211749430288528789926235008207904865845529205603700692366509611564479981994254361877275251227174378920919	104
99	58	-0.025192838310554131988833380314234253442012728377673835463901467289651237206927039309586685835602798594511664806276968091	104
99	59	-0.0102203772158131093175659448405724206800268689610936008936719356047990061537000313183377722812316070867639640446910724937	104
99	61	-0.0108310822961363883443298103755104289550309334830500646718408196321483489978862527323824527571764129689513045770302019380	104
99	62	-0.0270477632153938921315408786740947112523136766419478303694512005684320027559084446281678614974333797595158633879052344782	104
99	64	-0.0243863723939528555523741474067977696029376052419971444123354386671095025909262670646346634870988187173397492015661233738	104
99	65	-0.0243870848848332934761803263208967521541356547538667594504407742897077526732630181841243665939639149225458483740414658256	104
99	67	-0.0136385457030705411978277378858360682803934219087398195537697269220928252029711349852151226698191325318561612538093964516	104
99	68	-0.0230483690294669299460543954968592433879154123832829969397462498706795743181581228400131773240881187536425137605455716648	104
99	70	-0.0305723729631728654320896816284435983409502902076700039703838671911165635370719020106715036397792006253848022937385788468	104
99	71	-0.0111008911580067393762330205312421159274055751678714249066018643849942604362657438461411729143015579651295736771446767381	104
99	73	-0.0142447962513341840824923475867185322620842929882781673597268889896242441636341624514977186072839640748094532578960954297	104
99	74	-0.0238545587989775754629739637901731422904053942028706748381631861703382437568150264764628490536684388998117112111017447202	104
99	76	-0.0265101974738068295013072779886071660451001535689406236614605143256369697863226943170559453730366135473336082486590369951	104
99	79	-0.0149180099085924910247522804726877953710718836827943052586935697669597180065891921835174941954175062258717752372774695651	104
99	80	-0.0255217084286562935883653613408101341904524646343542190620863047947393314479561667718462290467996043824187279074001620919	104
99	82	-0.0221551331053825902050550154868634987045254088869759005395438070459740243863422491700666809202607438841483927107119185007	104
99	83	-0.0140759636197568631194001605076350140711733970820048399610509182394221343192011593126053566175785493516260004944143699010	104
99	85	-0.0274113215719789197236580636403751712393408919691611181527096226549819302128414388270312989135586529194724310848066896262	104
99	86	-0.0294448531988972832360967847612862147950315260600963308404483680800052969491300400243136363686135968633278009781425716968	104
99	89	-0.0181262356860925362810964368054123754874317604178805981643218974301886558126096785278281335084703022166966857518837003332	104
99	91	-0.0287683730753826934265821651891051465012090331934600241562993807417017475297145806335173443573008903546307452402140060073	104
99	92	-0.0223929302905424340139062694308634661828272117343737400677557708515188196644976939483191607677195356834288273541603456297	104
99	94	-0.0252041175087836973169087459150844637265169123486043779878950050763262224070262120048242415055653507224029407503777006621	104
99	95	-0.0257698885790688122023095715785904365291256928804903347865720038194682042394864816290225368756194388176683276251302990734	104
99	97	-0.0196855804562575489251123685312407954060586281003009289874463003868167486192603949131243258753038469717826414718613568030	104
99	98	-0.0254697012267489660305157600355408146506198331559234230521618352063880389085490689255855671769498628142239535668133655748	104

The sum of these constants is = -0.162745211394781458668815585633728383372675775981225036232178210317499731526874214528281610989995773227792795174435341761

The error from its expected value is = 6.670647402810859522 E-135

\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*

Elapsed time for the precomputation: 5 min, 54 sec, 779 millisec

Elapsed time for the final computation: 0 min, 0 sec, 71 millisec

Total elapsed time: 5 min, 54 sec, 850 millisec

\*\*\*\*\* END PROGRAM \*\*\*\*\*

These are the constants for  $q = 100$

The first column is the modulus  $q$ ; The second column is the class  $a$ ; The third column is the constant  $M(q,a)$ ; The fourth column is number of correct digits in  $M(q,a)$ .

100	1	-0.0327328506433100964865591320930048072116438944230580812123969878411668305666432779058159373870616632478395959626024632265	104
100	3	0.296796051280987294742970937513218999433325601239321356892232047773962084736794303587697038184312968740122251387644576983	104
100	7	0.109164660582488612007924295113635623988824110708222892563560968656152306277518563610826956502528604955282931681413376816	104
100	9	-0.0317072585110717311614975891439776768183338182503369107750009738720300343420972220122589012325102372698135642390827160896	104
100	11	0.0525392593617032986211242722948319599868308022971932509427005952209928022291289982022603850380106786555951200200232017325	104
100	13	0.0426109269250587204358452633135599416192357324245437172834703756014952013688853608925704955282478993124100000667787863524	104
100	17	0.0150314878146081597086876326404899084997994990199612843462168889064803550490083230918214280321926721778052288777608162409	104
100	19	0.0109334390998046805514799425989118847223839795741349842084312433122734160655203037595963028420462413561350101969915534498	104
100	21	-0.0417987666199882381554101070045008003381487531805600975523878180039230858196302235656253797830373191626200245136272843475	104
100	23	0.00429980733850639333208812186069401128116915699348246617141047798817040453762193285902463341836647089102649803662150178582	104
100	27	-0.0341176432026934031798118897841360406727175517993793376884864059556879259837133958935214866013236601492546099830344718150	104
100	29	-0.0068455655084566722827778030463854728375793923422527354916808650949702410907799026613193419319878989803901089344458620936	104
100	31	-0.000882019747089267191689451734045295106533287619236174773020817566409194489590899552019467854901157971555887098676618717344	104
100	33	-0.0398162557586811487218938785343754046573555818959406283146822724901401059496759353744927958293554690032968940693673982247	104
100	37	-0.0102279906317679444335912720164744293764558048990475039302884280614981794081982643974150883523589601362953281619568064078	104
100	39	-0.0321595332963616451080367909504231097305999133684914348622917500796534432626879721026712661910249376459117396961485091870	104
100	41	-0.0174449250429062421986041546085092898562048212570655213998527490583655005960687478561088743402085027536516025961156540120	104
100	43	-0.021136065822142554035568792817526210104882207383699351503859306267612949104547137611977567578819332844009022679778318428	104
100	47	-0.0204531829766119508711316300183053778265915710908097387335274555231812426195606139016419850746285688180204441318758788990	104
100	49	-0.0366254740517904877152631123883871179081152057919444361549484792898196995999374244958859644167239276694590931199995307881	104
100	51	-0.0351434786950777268987719834938725009588029958572354007673240324009063727900325636416481626443088305503018907063638571280	104
100	53	-0.0226972066993157647309792376402909270586316096081411123036241598565913796393917259322979452776305606047372149742355208529	104
100	57	-0.0325765749024211602755096901379087165722110325763499330143698983697775611640085788035090563921728599477463508305419195486	104
100	59	-0.0255972500173944737573300788977412693450547816527269774329641314670480954987063024252686826569450208303287735073466778128	104
100	61	-0.0278286463430071239161270301682991077533575587261217818741249652711993097567322510709369304053300945045659926814748737290	104
100	63	-0.0335981132403069486459144502313207373190111663759397837651621329964643563356665778936948693359647683271205772790565752452	104
100	67	-0.0215622199307553304269482499263860330611608283824490222680448081698435594665783769604302759934475971684092143748676204304	104
100	69	-0.0425884782618983166596496197101822785384127993507272767348175726565791342019871014976242480049024428726978817769417663959	104
100	71	-0.0281279461582123388760458288494394727596857103723780656130996327603893880747767454505691547630829301607088069988929335076	104
100	73	-0.0242942021393837676448545674808807411661745595581368268861597494129926328085557880202457801790921732603177226296184576596	104
100	77	-0.0403016818292845344264159233808642777486104026960193440007596505037316748622741678183780453179030018609494140614995771675	104
100	79	-0.0258608096502094405172333084018448635774209954760710635781321048885967738076186542713920725214721231738605467817621749483	104
100	81	-0.0382936433211064890956609925860194834407109213463456897416664475021448135348394117206912316011516049690399398170808941704	104
100	83	-0.0266126795143592885540643412538428925936537283459286198855340428842290207314921833082858361852329847778389689126207624491	104
100	87	-0.0412427727572622471627739267758883931022346126834504991917311844751862875105689902159660736986203532108927823831868420794	104
100	89	-0.0340854865585412017841720068124490112177507676171172246971874453810296105419947000154941366243558251168327297452977085855	104
100	91	-0.0391214327782647589416235354311767335466234788518395944921607850772238365854496509926165638950119872099039228738096899493	104
100	93	-0.0369018583285861763311254259678182751760400661597029348458943962919753530323607396697845860495980121551935908374291159713	104
100	97	-0.0276176058143249827783865174148928153613240611206033456003353665956627926716780840170735879716274742460468144070404800635	104
100	99	-0.0398788008029309226792713307672238332917897936899111754264277216948965446950603014789605305793931131160937607044495334186	104

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The sum of these constants is = -0.438502787152357216244573161391304140948433351738800793807935786075075489102631790285857368565753348985368552750192917519  
The error from its expected value is = 1.2107225036101710033 E-134  
\*\*\*\*\* COMPUTATION TIME \*\*\*\*\*  
Elapsed time for the precomputation: 3 min, 20 sec, 166 millisecc  
Elapsed time for the final computation: 0 min, 0 sec, 41 millisecc  
Total elapsed time: 3 min, 20 sec, 207 millisecc  
\*\*\*\*\* END PROGRAM \*\*\*\*\*