

# Six most important math numbers 0, 1, $\pi$ , e, $\gamma$ , i.

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## The number e 2.718281828

The first number we will look at is the number “e” which very few people seem to know much about even though it affects our life every day. Even though “e” and “ $\pi$ ” are used all around us every day of our lives they are not needed or used directly by most of us. The effects of these numbers interacts with us from the car we drive and most of the things we touch or use around us, like a bridge we drive over and the building we work in. This number is used in banking interest rates, growth or decay of human’s, bacteria and other naturally occurring things. One of the most interesting equations is  $e^{i\pi} + 1 = 0$ , this equation uses 5 of the above 6 numbers, yes we could move the one to the other side of the equal sign and lose the 0 like the originally equation the 1 was on the right side and then moved to the left side, they most likely did it on purpose just to gain the 0 so please do not move the 1 although there is nothing wrong with the equation.

Roger Cotes in 1714 published 13 digits with all 13 published digits were correct. With 12 decimal digits after the decimal point which is the normal way to count numbers like PI or e, he must have including the first 2 to the left of the decimal point as part of his count. If he had calculated 15 digits using 17 terms which has 9 units error in the last digit with the last 2 digits in error and if he dropped the last three digits assuming they were bad which leaves the 12 digits which would have been correct, in fact with one digit to spare. Checking the calculation for 14 digits, using 16 terms which has 6 units error in the last digit with the last 3 digits in error, only 11 digits would have been correct. The 12 digits is enough accuracy for most pocket calculators in use today, they use 12 digits internally and only display 10 digits for the answer. We have had this value for past 300 years. Below are his 13 (12) published digits.

2.718281 828459

Leonhard Euler in 1748, 34 years later, he published 23 digits with all the 23 published digits were correct. If he had calculated 25 digits using 24 terms which has 12 units error in the last digit and the last 2 digits in error. If he had dropped the last two digits which leaves 23 digits, all of them would have been correct. Checking the calculation for 24 digits using 24 terms which has 13 units error in the last digit with the last 2 digits in error this would have left only 22 digits correct, this would be no correct. This is one of the problems with anyone doing a calculation is how many digits should be dropped as they are on the leading edge with no way to check how many digits are correct, all you can do is just take a guest just how many digits to drop. A quote from Leonhard Euler “For the sake of brevity, we will always represent this number 2.718281828459... by the letter e”. Below are his 23 published digits.

2.718281 828459 045235 36028

William Shanks in 1853, 105 years later, he published 137 digits with all the 137 published digits were correct. If he had done 140 digits using 90 terms which has 47 units error in the last digit, with the last 2 digits in error if he had dropped the last three digits he would have had this

correct value. By checking the calculation for the 139 digits which requires 90 terms and produces 41 unit's error in the last digit with the last 3 digits are in error. This would have only produced 136 correct digits, this would have not worked. When he calculated his 709 digits PI he was working with an alternating series which would cancel some of the accumulated error so he seemed to feel dropping only two digits while this series has only positive terms he may have felt he needed to three digits, I am only guessing at this. The bottom line is he did drop the correct number of digits see his published value below.

2.718281 828459 045235 360287 471352 662497 757247 093699 959574 966967  
627724 076630 353547 594571 382178 525166 427427 466391 932003 059921  
817413 596629 04357

William Shanks in 1871, 18 years later, he published 205 digits with 187 digits being correct and the last 18 digits were in error. Below are the 205 incorrect and correct digits with the 18 digits underlined that were in error and should have been correct. If he had calculated 210 digits using 125 terms which has units 61 error in the last digit with the last 2 digits in error and if he planned to drop the last 5 digits he may have produced all correct published digits, his efforts did not work as planned. As others have stated for his PI calculation there is a limit to how many digits a "human computer" can do.

Here is his incorrect value with the last 18 digits bold underline numbers were in error.

2.718281 828459 045235 360287 471352 662497 757247 093699 959574 966967  
627724 076630 353547 594571 382178 525166 427427 466391 932003 059921  
817413 596629 043572 900334 295260 595630 738132 328627 943490 763233  
829880 **748207 076730 493949 2+**

Here are the correct digits with the bold underlined digits that he should have produced.

2.718281 828459 045235 360287 471352 662497 757247 093699 959574 966967  
627724 076630 353547 594571 382178 525166 427427 466391 932003 059921  
817413 596629 043572 900334 295260 595630 738132 328627 943490 763233  
829880 **753195 251019 011573 8**

J. Marcus Boorman in 1884, 13 years later, he published 346 digits with 223 correct and 123 in errors. If he had calculated 350 digits using 189 terms which has 95 units error in the last digit with the last 3 digits in error and if he planned to drop the last 4 digits he would have been good, which did not work to well for him also. In his document he stated he had 187 terms, but he started with the first two terms of 1 each he must have not counted which would have been the same as my value 189 terms. He noted that William Shanks only the first 187 digits agreed with his, and he noted there was an error in the last 18 digits. He did his calculation by combined 2 terms and then did the math in his mind it reduced the amount of math calculation needed to do. So much for making the math simpler he still had a large number of digits in error. His hand calculation still stands as the record as there seems to be no more hand calculations. Below is a direct quote from him.

“My compute agrees with the value above to 187 decimal places, and there can be no reasonable doubt that the value of e is correctly determined to that number of places; but beyond that point one of us is wrong—which one! As my value has been obtained by a double compute it would seem that there is little chance of error in it—especially as, after many trials. I am unable to obtain Mr., Shanks' 188 to 205 decimals, where we differ,—so at his can hardly be true.

My compute is preserved, and is at the service of any computer who may desire it for the purpose of comparison or verification.”

Little did he realize when he referred to the term “computer” he of course meant another person a “human computer” and not a machine called ENIAC 65 years in the future which was used to published 2010 correct digits. Back before 1946 people who did mathematically calculations was referred to as a computer just like today we call the machine as people no longer do mental math we are so depend on calculators to do the work for us.

Here is his incorrect value with the last 123 digits in bold and underline that were in error.

2.718281 828459 045235 360287 471352 662497 757247 093699 959574 966967  
627724 076630 353547 594571 382178 525166 427427 466391 932003 059921  
817413 596629 043572 900334 295260 595630 738132 328627 943490 763233  
829880 753195 251019 011573 834187 930702 154089 **126949 379940 534631**  
**938198 725090 567362 515008 237715 275090 358667 692050 471557 585091**  
**929064 574886 005842 999346 594757 593710 043526 4800+**

Here are the 346 correct digits with the 123 bold and underline digits that he was to have.

2.718281 828459 045235 360287 471352 662497 757247 093699 959574 966967  
627724 076630 353547 594571 382178 525166 427427 466391 932003 059921  
817413 596629 043572 900334 295260 595630 738132 328627 943490 763233  
829880 753195 251019 011573 834187 930702 154089 **149934 884167 509244**  
**761460 668082 264800 168477 411853 742345 442437 107539 077744 992069**  
**551702 761838 606261 331384 583000 752044 933826 5602**

After this point the computers took over, ENIAC used this calculation of the number “e” as a dry run for the latter calculation using 2040 digits for the number PI. They did published 2010 correct digits for the number “e” from an unknown number of calculated digits, the minimum would have to be 2013 digits with 2010 correct digits, 2015 or 2020 would most likely be picked and then they would have dropped the last five or possibility ten digits, it is also possible they did 2040 to match the number used for PI but stopped short and would have to dropped the last 30 digits, which was the same number of digits used to produce PI.

The number PI  $\pi$  3.1415926535

This number is covered very extensive in another section or my web site; see many other files at “engert.us/erwin/Miscellaneous.html”. For most students this number is first covered before

high school and they should know of this number and how it is use with circles. The last person to calculate PI by hand was William Shanks finishing his final work in 1873. This number is used in many other places in math and science. Along with the number “e” (2.718281828...) this is why these two number are needed for anything with a circle or anything that requires any stress analyses like to build cars, bridges and buildings, in reality almost everything around us. The whole field of trigonometry would not be in existence or work without the number PI  $\pi$ . This means there would not be any land surveying beyond what the Greeks and Egyptians were doing, remember even they had a value for PI. The lack of trigonometry would eliminate the type of roads and bridges like we are used to and take for granted every day. As a result we would be stuck with winding unimproved dirt roads created from walking paths just like when this country was started.

## The numbers 0 and 1

The numbers 0 and 1 are both found in all bases including base 10 and the most basic base 2. With the addition of the 0 the number system created the space holding position which was the problem with older numbering systems like the Roman and Babylon numbering systems. The number 1 is the next number and it is found in all bases, 1 is used to increment to the next number like 3 and then 4 like in base 10, the number 2 is written as 10 in base 2.

## The number $\gamma$ 0.5772156649

The next time you think that all infinity's are the same well here is a major example they are not. First series start with the sum of  $1 + 1/2 + 1/3 + 1/4 + 1/5 + 1/6 + 1/7 + 1/8 \dots$  which is greater than the simpler version  $1 + 1/2 + 1/4 + 1/4 + 1/8 + 1/8 + 1/8 + 1/8 \dots$  which can be simplified to  $1 + 1/2 + 1/2 + 1/2 \dots$  which is the same as an infinite number of 1/2 which is infinity so the first series is also infinite in size. The second part is the natural log sometimes written as “ln” and  $\ln(\text{infinity})$  is infinity so by logic the difference between the two infinity values by subtracting the  $\ln(\text{infinity})$  from the first sum infinity's should be 0: well no it is not rather the value is this a small number called gamma the Greek letter  $\gamma$  0.5772156649. I have taken the sum of the first 1,000,000 terms which has a sum a little over 14.392726 and has a  $\gamma$  value of .57721**61649** while 1,000,000,000 produces about 21.300481 and has a  $\gamma$  value of .57721566**55**, as you can see the sum has not gotten very far. This number is used extensively in number theory and calculus. Well so much for infinity logic, when it come to infinity most work with this number all logic go out the window. There is very little known about this number  $\gamma$  like is it irrational, the presently proof which has been contested as a bad proof and this number possibly may also be transcendental. William shanks also calculated this number and came up with in 1869 the following value he thought that 65 digits might be correct 0.57721 56649 01532 86060 65120 90082 40243 10421 59335 9399**5** 35988 05772 **02455 61942 00508 15825** the first 58 digits of 80 published digits were correct; the 5 must be a typo error should have been a 2. If you have not figured out William Shanks did not use the brute force method for his calculation but a more extensive method with a small portion of the series is required. He did calculate to 100 digits accuracy for the first 1000 reciprocals and he did have the natural logarithms for 2, 3, and 5 and from which he was able to produce the value for 10, from which

he could also produce the value for 1000.

The correct 110 digits are 0.57721 56649 01532 86060 65120 90082 40243 10421 59335 93992  
35988 05767 23488 48677 26777 66467 09369 47063 29174 67495 14631 44724. In November  
23, 1871 he expanded the results to 101 digits. His value was 0.57721 56649 01532 86060  
65120 90082 40243 10421 59335 93992 35988 05767 23488 48677 26777 66467 09369 47063  
29174 67495 11141 14421. You can find his work at  
“rspl.royalsocietypublishing.org/content/20/130-138/27.full.pdf+html”.

J. C. Adams in December 6, 1877 published 264 and 265 digits of which 261 digits were correct  
not the normal published number of 263 digits that he though were correct. The last block of  
digits were for the first 500 reciprocals was 5697 which was only 8 units in the last digit. The  
last digits based on the first 1000 reciprocals was 56961 while the correct digits should have  
been 57057. He did a very unbelievable job, this is the first time there was a double calculation  
to do a check, his comment this was a check for the logarithm also. Here is his direct quote  
from him “It will be seen that the two values found for E agree to 263 places of decimals, which  
supplies another independent verification of the value obtained for log 2.” This seems to be the  
end of the hand calculation for this number. Below are the correct first 300 digits with the error  
underlined and bold. See the next two lines for his last digits that were in error they are bold and  
underlined. His work can be found at “rspl.royalsocietypublishing.org/content/27/185-  
189/88.full.pdf+html”. If you want the main window, from here you can get to every book from  
1800 up to 1905, see “rspl.royalsocietypublishing.org/content/by/year”

Euler's Constant to 300 digits the bold and underlined portion is the bad part of his two  
calculations.

.57721 56649 01532 86060 65120 90082 40243 10421 59335 93992  
35988 05767 23488 48677 26777 66467 09369 47063 29174 67495  
14631 44724 98070 82480 96050 40144 86542 83622 41739 97644  
92353 62535 00333 74293 73377 37673 94279 25952 58247 09491  
60087 35203 94816 56708 53233 15177 66115 28621 19950 15079  
84793 74508 57057 40029 92135 47861 46694 02960 43254 21519

These are the last digits of his two you can see how he though the “569” were correct and he  
thought that he had 263 correct digits. This is just another example how many digits are correct  
even though two calculations agree they may not be correct. This was the first example of a  
double calculation as a check on the work on calculation of a number, the next one I have found  
was in 1946. His only fault was he assumed the numbers that matched were correct but they  
were not.

84793 74508 5697 the last 14 digits for his 500 reciprocals  
84793 74508 56961 the last 15 digits for his 1000 reciprocals

The number  $i$  square root of  $-1$

This number is not the normal concept of a number like 1, 2 or 3. It is more of a concept, there is a problem that you cannot take the square root of a negative number. To fix this problem a new number was introduced “i” is set to the square root of -1. You first must extract the -1 from the number and then take the square root of the positive number, and use the new definition the letter “i”. As an example to take the square root of -4 first convert it to  $4 * -1$  and then take the square root of each part like this the square root of 4 times the square root of -1 which is written as  $2i$ , this is an imaginary number. By adding a normal number like 3 which is called a real number the two number together forms the next type of number called a complex number like this  $3 + 2i$ . Any of you who remember the quadratic equation from High School and tried to solve your own equations, not the ones from the book which made sure you would never run in to this type of problem well here is the solution the missing numbers. One problem using i was what is the value  $i^i$  (i raised to the i power) it turns out the value is  $e^{-\pi/2} = 0.20787957635\dots$ , this value is one of those special numbers which we know very little about like is it irrational and possibly may also be transcendental.

## About other numbers and extra side notes

How do you figure number of digits are dropped from a calculation, as an example for 1575 digits of “e” requiring 659 terms producing 341 units error in the last digit which has caused the last 7 digits to be in error, last digits are 1999772 and should have been 2000113. This is a very good sample of what I am talking about, just how many digits do you need to have to calculate extra to produce the desired correct answer, it is not until more digits are known can the correct digits be known. A very good example is ENIAC's calculation of PI they calculated 2040 digits but only published 2035 digits, later after NORC calculated 3093 digits, it was found that the correct digits turned out to be 2037 digits which is the normal value published as the “calculated value”, which is a wrong terminology, rather than the correct number of digits, not as the calculate number of digits which still stands as 2040 digits. It is this domino effect, in this case with the number “e” there were three 0 in a row, in the number PI at the 768 digits position there are six 9's which caused an 8 digits in error this also produced a similar effect.

Although PI has been around for thousands of years and “e” has only a 300+ year history, the number “e” was first to be proved irrational in 1737 and latter in 1873 it was proved to be transcendental, while PI was proved irrational in 1761 and “e” was the bases to prove pi was transcendental in 1882. So much for being first on the scene for being the first to prove what kind of number it is like irrational or transcendental.

As a side note; that with the end of the 1800's the “hand calculations” seems to come to an end, I have not found any efforts to do a hand calculation in the 1900's. In 1940 the calculation of PI started up using a desk calculator and finally in 1949 the computers took over. For the fun of it, with a purpose in mind I have calculated 100 digits of PI by hand, it took 108 pages. I used the results to figure out how many sheets of paper it may have taken William Shanks for his 709 digits calculation. I have also done 10, 15, 20 and 40 digits by hand, based on the results from these calculations he may have taken about 5400 pieces of papers. Remember this was only one of his projects over a 20 year period; it must have cost him lots money just for paper and the

publication of his 1853 book. Of course I am making assumptions that he used paper my size and packed his digits to the same density no matter what there was a large expense. The “comptometer” was the first commercially successful key-driven mechanical calculator, patented in the USA by Dorr E. Felt in 1887, this was a large improvement over the 1851 “Arithmometer“. If you note the “comptometer” coincides with the end of the hand calculations. The calculation of the number PI was place on the back burner until 1940 and the answer was published in 1946 which showed William Shanks error. The next calculation for the number “e” had to wait until 1949 for ENIAC calculation. In 1963 I met a “human computer” he could add a column of number just by sliding his finger down the column and writing the correct answer at the bottom. After his demonstration I asked him if he has always been this fast, he told me that he started to use an adding machine and he noticed that he was starting to slow down. About this same time I bought my first paper tape mechanical calculator, yes it was not an electronic calculator like most people are use today with the four basic math functions, rather a plug in mechanical adding machine could only do addition and subtraction, multiplication was done by repeating add with a shift to do the next step of the multiplication, you can find them on eBay. The only thing about it electrical was the electrical motor which was use to mechanically add and print on the paper tape.

One of the things I noted in 1973 while playing with my new HP 35 pocket calculator that  $e^{\pi}$  and  $\pi^e$  values were very close to each other. The values of the two numbers are 23.14069263 and 22.45915771 you can see how close these two numbers are. A new value to me is the relation someone else has found is  $e^{\pi} - \pi = 19.999099979$ , not bad for a number close to 20, I never saw the almost PI value sitting in the one number.

Here is my own collection of similar values. Some of these are as accurate as the one above. This was a search up to powers of 1 to 20 on both values and looking at all four math operations. I am sure by expanding the search there are many other values that can produce some similar results.

A larger expanded search with at least 5 0's or 5 9's for most lines except for the first few.

**Powers of PI and e which produces near integers results.**

$10 * e^8 / \pi^9 =$	1.0000161205
$100 * e^{16} / \pi^{18} =$	1.0000322412
$9 * e^{31} / \pi^{29} =$	1.0000578894
$90 * e^{39} / \pi^{38} =$	1.0000740108
$\pi^{18} / (e^{16} * 50) =$	1.9999355196
$\pi^9 / (e^8 * 5) =$	1.9999677596
$20 * e^8 / \pi^9 =$	2.0000322410
$30 * e^8 / \pi^9 =$	3.0000483614
$40 * e^8 / \pi^9 =$	4.0000644819
$\pi^9 / (e^8 * 2) =$	4.9999193989
$50 * e^8 / \pi^9 =$	5.0000806024
$60 * e^8 / \pi^9 =$	6.0000967229
$59 * \pi^6 / e^9 =$	7.0000462698
$71 * \pi^{22} / e^{24} =$	231.9999986223
$\pi^4 + 21 * \pi^4 =$	2143.0000027481
$23 * \pi^4 - \pi^4 =$	2143.0000027481

pi^4+43*PI^4=	4286.0000054961
45*PI^4-pi^4=	4286.0000054961
pi^4+65*PI^4=	6429.0000082442
67*PI^4-pi^4=	6429.0000082442
18*e^6-e=	7259.0000010408
e^9-21*e=	8046.0000091777
e^11-58*PI^5=	42124.9999976515
pi^13+81*e^10=	4687820.9999926274
85*e^12-pi^13=	10930480.0000020499
e^22-10*e^5=	3584911362.0000005359
pi^21+73*e^9=	27552223368.0000020733
pi^22+84*e^6=	86556038079.9999949123
51*PI^24/e^5=	293558534695.0000015648
15*PI^21-pi^9=	413274447834.0000026072
pi^24+13*e^3=	854273520175.0000021883
pi^25+42*e^8=	2683779539518.0000047625
46*PI^22-e^11=	3981576132956.9999948377
e^27+99*e^25=	7660533275002.9999965757
e^30+11*e^8=	10686474614315.0000044495
pi^28-78*PI^15=	83211771733843.9999967584
59*e^33/PI^4=	130008103688684.0000070472
e^33+30*PI^19=	214727326704403.9999912565
e^4+8*e^31=	232390797322033.9999987186
pi^28+6*e^33=	1371075485784726.0000064243
PI^18*e^10*80=	1565786392569306.9999946922
pi^31+98*e^5=	2580156526879502.9999960898
pi^31+63*PI^18=	2580212507556351.9999970196
e^36+43*PI^11=	4311231559765967.9999907180
e^36+6*e^30=	4375350394604341.9999953651
44*e^33-e^24=	9444291021458176.9999968074
e^38-75*PI^2=	31855931757113015.9999985900
64*e^34-e^20=	37341551036591916.9999954970
e^39+95*e^18=	86593406661690815.0000054909
pi^15+51*PI^31=	131587982898771029.9999939029
pi^37-90*PI^23=	2480510129527140355.0000053018
pi^38-14*PI^23=	7792825477762426345.0000075550
24*PI^36-e^22=	18949888485564715499.9999943492
pi^37+97*e^40=	25312905485851699365.0000021327
46*PI^36-e^3=	36320619604203454310.0000027394
21*PI^39-e^28=	514119798414719784856.0000057154
PI^39*e^9*81=	16068686993106767942399022.9999969953

Side note there are many other math and science numbers not covered by this document, where does one cut off. The one number I had wanted to add was the golden ratio 1.6180339887 which is known as phi or  $\Phi$ , the only calculation I could find was by Michael Maestlin in 1597 and it does not state how many digits it was for, it may have been "0.6180340 ". This number does some neat things like  $1/\Phi = \Phi - 1 = 0.6180339887$  this is why sometime you will find either one of these two numbers and will be called by the same name also  $\Phi * \Phi = \Phi + 1 = 2.6180339887$ . Note the algebraic equation is of the form  $X * X - X - 1 = 0$  which has the roots  $1/\Phi$  and  $\Phi$  replace the numerical in the equation. Note how the decimal part is the same in all three numbers. This number much like PI has been around for thousands of years. The Greeks used it by mechanical method to construct the length and not using numbers. If you know much about art you should be familiar with this number, little things like the Great pyramids and the Parthenon and artist like Michelangelo, Rembrandt, and many more, there work is involved with this number.



## Hand calculation e from 5 through 500 or 2050 digits

The following pages are a sample of the results calculating using a program to simulate hand calculation with the results in the number and units of error affecting the last number and the number of last digits in error. One thing to note is the unit digits of error keeps increasing with more digits of calculation. The equation used is  $1/0! + 1/1! + 1/2! + 1/3! + 1/4! \dots$  where  $4!$  factorial which equals  $1 * 2 * 3 * 4$  which equals 24. By the way the  $0!$  is by definition set to 1 just like  $1!$  is also 1. Because the expansion series just does addition, all the errors just keep adding to make the units of error increase in the last digit. The error is very closely related to one half of the number of terms. Looking at 500 digits, there are 253 terms, producing 128 units error in the last digit, while 1000 digits there are 449 terms producing 238 units error in the last digit. Increasing to 2000 digits there are 807 terms, producing 411 units error in the last digit, note the numbers 807 and 411 is very close to one half as stated before, each term produces a half digit rounded down the next digit fraction, if you look at the following calculations. This is a small sample up to a max of 2050 digits and must be explored out further. Most of what I have written above would not be possible without the use of my program that allows me to calculate values of "e" just like a person doing it by hand.

For most people who do programming and use the extended math package like the one called "GNU Multiple Precision Arithmetic Library" or others which is available with many different programming languages you cannot do the correct decimal calculation with the digits in error, try it and check your results with mine? The problem with the GNU is that it is binary and not decimal like humans use and the calculation extends beyond the required accuracy, you can not set it to say 98 digits you can print a set number of digits from more. For your information I have calculated PI to 100 digits by hand it took 108 pages and that result agreed with the results of my PI program which has the same core program as my "e" program. A good example of the problem can be seen at the web site "[mathforum.org/dr.math/faq/faq.e.html](http://mathforum.org/dr.math/faq/faq.e.html)". Note when doing hand calculation you do not round up the value as they did in the example 13 times. You just simply truncate the answer as this works to your advantage, if you want to expand your calculation in the future you do not reinvent the wheel and start all over. In the above mentioned example they did a 25 digit calculation and ended up with an answer one unit above than it should be and said it was correct. There were 13 terms that were rounded up by one unit and the extra unit also came in the last calculation which placed the total over the correct value. Their value was "2.7182818284590452353602875" and should have been one unit less at "2.7182818284590452353602874"; by the way the 26<sup>th</sup> digit is a 7 which would cause a round up only if you know the extra digit. Because the answers were round up by one unit they must have had extra digits beyond the 25 digits before the term was printed which is very common when doing extended math calculation. In the last division they had a value of 16 and it needed to be divide by 25 which should have been a 0 for 25 digits and not the incorrect answer of 1, yes if you do extra digits which allows you to do auto round up the answer would become a 1. The same effect was in the 22 digit answer which was their goal for doing the calculation; it ended up being rounded up by 1 unit in the last digit too. This is what I am talking about in a hand calculation you do not have the next digit to work with so you cannot round up and should

never do. If you create a program it needs to have the same results as a hand calculation would do. The following listing is the values they should have produced the +1 at the end of the 13 lines is where the round up should have not occurred. As a justification of my statements, when William Shanks published his 707 digits of his 709 digits calculated value of PI the last two digits that were dropped was 92 and he did not use them to round up. For his 609 digits he also dropped the last two digits which were only 08 which had no effect. In his book he listed all the terms for his 530 digit calculation of PI and he also did not round up the terms. I can think of two methods that may just work correctly if some one with extended math package would like to try it.

I did the following hand calculation for 25 digits in 3 hours; it took seven pages for the total calculation. I have placed the scanned pages on my web site for your viewing at ["engert.us/erwin/miscellaneous/Hand calculation number e.pdf"](http://engert.us/erwin/miscellaneous/Hand%20calculation%20number%20e.pdf). In a similar location my 20, 40 and 100 hand digits calculation of PI can be found at the more general location ["engert.us/erwin/miscellaneous.html"](http://engert.us/erwin/miscellaneous.html)

$1/0! = 1.00000\ 00000\ 00000\ 00000\ 00000$   
 $1/1! = 1.00000\ 00000\ 00000\ 00000\ 00000$   
 $1/2! = 0.50000\ 00000\ 00000\ 00000\ 00000$   
 $1/3! = 0.16666\ 66666\ 66666\ 66666\ 66666 + 1$   
 $1/4! = 0.04166\ 66666\ 66666\ 66666\ 66666 + 1$   
 $1/5! = 0.00833\ 33333\ 33333\ 33333\ 33333$   
 $1/6! = 0.00138\ 88888\ 88888\ 88888\ 88888 + 1$   
 $1/7! = 0.00019\ 84126\ 98412\ 69841\ 26984$   
 $1/8! = 0.00002\ 48015\ 87301\ 58730\ 15873$   
 $1/9! = 0.00000\ 27557\ 31922\ 39858\ 90652 + 1$   
 $1/10! = 0.00000\ 02755\ 73192\ 23985\ 89065$   
 $1/11! = 0.00000\ 00250\ 52108\ 38544\ 17187 + 1$   
 $1/12! = 0.00000\ 00020\ 87675\ 69878\ 68098 + 1$   
 $1/13! = 0.00000\ 00001\ 60590\ 43836\ 82161$   
 $1/14! = 0.00000\ 00000\ 11470\ 74559\ 77297$   
 $1/15! = 0.00000\ 00000\ 00764\ 71637\ 31819 + 1$   
 $1/16! = 0.00000\ 00000\ 00047\ 79477\ 33238 + 1$   
 $1/17! = 0.00000\ 00000\ 00002\ 81145\ 72543$   
 $1/18! = 0.00000\ 00000\ 00000\ 15619\ 20696 + 1$   
 $1/19! = 0.00000\ 00000\ 00000\ 00822\ 06352$   
 $1/20! = 0.00000\ 00000\ 00000\ 00041\ 10317 + 1$   
 $1/21! = 0.00000\ 00000\ 00000\ 00001\ 95729$   
 $1/22! = 0.00000\ 00000\ 00000\ 00000\ 08896 + 1$   
 $1/23! = 0.00000\ 00000\ 00000\ 00000\ 00386 + 1$   
 $1/24! = 0.00000\ 00000\ 00000\ 00000\ 00016$   
 $1/25! = 0.00000\ 00000\ 00000\ 00000\ 00000 + 1$

$e = 2.71828\ 18284\ 59045\ 23536\ 02862$

This is the correct sum that they should have produced if they were doing the work correctly

and matched these 25 digits with the 12 unit error in the last digit.

Here are the results from 5 digits up to 2050 digits with just the error number of digits. Note as the number of digits increase the units of error is half of the number of terms. One interesting value is for “e” to 1575 digits which requires 659 terms produces 341 units error, with last 7 digits in error. This is enough digits to study what ENIAC may have calculate the published 2010 digits in 1949.

e with 5 digits, 8 terms, 4 units error, with last 1 digits in error, last digits are 271824 should be 271828.  
e with 6 digits, 9 terms, 4 units error, with last 2 digits in error, last digits are 18277 should be 18281.  
e with 7 digits, 10 terms, 4 units error, with last 1 digits in error, last digits are 27182814 should be 27182818.  
e with 8 digits, 11 terms, 4 units error, with last 2 digits in error, last digits are 1828178 should be 1828182.  
e with 9 digits, 12 terms, 5 units error, with last 1 digits in error, last digits are 8281823 should be 8281828.  
e with 10 digits, 13 terms, 7 units error, with last 2 digits in error, last digits are 2818277 should be 2818284.  
e with 11 digits, 14 terms, 5 units error, with last 1 digits in error, last digits are 8182840 should be 8182845.  
e with 12 digits, 14 terms, 7 units error, with last 1 digits in error, last digits are 1828452 should be 1828459.  
e with 13 digits, 15 terms, 7 units error, with last 2 digits in error, last digits are 8284583 should be 8284590.  
e with 14 digits, 16 terms, 6 units error, with last 3 digits in error, last digits are 2845898 should be 2845904.  
e with 15 digits, 17 terms, 9 units error, with last 2 digits in error, last digits are 8459036 should be 8459045.  
e with 16 digits, 18 terms, 10 units error, with last 2 digits in error, last digits are 4590442 should be 4590452.  
e with 17 digits, 18 terms, 11 units error, with last 2 digits in error, last digits are 5904512 should be 5904523.  
e with 18 digits, 19 terms, 9 units error, with last 2 digits in error, last digits are 9045226 should be 9045235.  
e with 19 digits, 20 terms, 10 units error, with last 2 digits in error, last digits are 452343 should be 452353.  
e with 20 digits, 21 terms, 10 units error, with last 2 digits in error, last digits are 4523526 should be 4523536.  
e with 21 digits, 21 terms, 10 units error, with last 2 digits in error, last digits are 5235350 should be 5235360.  
e with 22 digits, 22 terms, 10 units error, with last 3 digits in error, last digits are 2353592 should be 2353602.  
e with 23 digits, 23 terms, 13 units error, with last 2 digits in error, last digits are 3536015 should be 3536028.  
e with 24 digits, 24 terms, 13 units error, with last 2 digits in error, last digits are 5360274 should be 5360287.  
e with 25 digits, 24 terms, 12 units error, with last 2 digits in error, last digits are 3602862 should be 3602874.  
e with 26 digits, 25 terms, 11 units error, with last 2 digits in error, last digits are 6028736 should be 6028747.  
e with 27 digits, 26 terms, 14 units error, with last 2 digits in error, last digits are 287457 should be 287471.  
e with 28 digits, 26 terms, 13 units error, with last 2 digits in error, last digits are 2874700 should be 2874713.  
e with 29 digits, 27 terms, 12 units error, with last 2 digits in error, last digits are 8747123 should be 8747135.  
e with 30 digits, 28 terms, 13 units error, with last 2 digits in error, last digits are 7471339 should be 7471352.  
e with 31 digits, 29 terms, 12 units error, with last 2 digits in error, last digits are 4713514 should be 4713526.  
e with 32 digits, 29 terms, 13 units error, with last 2 digits in error, last digits are 7135253 should be 7135266.  
e with 33 digits, 30 terms, 13 units error, with last 2 digits in error, last digits are 1352649 should be 1352662.  
e with 34 digits, 31 terms, 18 units error, with last 2 digits in error, last digits are 3526606 should be 3526624.  
e with 35 digits, 31 terms, 17 units error, with last 2 digits in error, last digits are 5266232 should be 5266249.  
e with 36 digits, 32 terms, 16 units error, with last 2 digits in error, last digits are 2662481 should be 2662497.  
e with 37 digits, 33 terms, 13 units error, with last 2 digits in error, last digits are 6624964 should be 6624977.  
e with 38 digits, 33 terms, 16 units error, with last 2 digits in error, last digits are 6249759 should be 6249775.  
e with 39 digits, 34 terms, 19 units error, with last 2 digits in error, last digits are 2497738 should be 2497757.  
e with 40 digits, 34 terms, 20 units error, with last 2 digits in error, last digits are 4977552 should be 4977572.  
e with 41 digits, 35 terms, 19 units error, with last 2 digits in error, last digits are 9775705 should be 9775724.  
e with 42 digits, 36 terms, 16 units error, with last 2 digits in error, last digits are 7757231 should be 7757247.  
e with 43 digits, 36 terms, 17 units error, with last 2 digits in error, last digits are 7572453 should be 7572470.  
e with 44 digits, 37 terms, 18 units error, with last 3 digits in error, last digits are 5724691 should be 5724709.  
e with 45 digits, 38 terms, 19 units error, with last 2 digits in error, last digits are 7247074 should be 7247093.  
e with 46 digits, 38 terms, 17 units error, with last 2 digits in error, last digits are 2470919 should be 2470936.  
e with 47 digits, 39 terms, 17 units error, with last 2 digits in error, last digits are 4709352 should be 4709369.  
e with 48 digits, 40 terms, 16 units error, with last 2 digits in error, last digits are 7093683 should be 7093699.  
e with 49 digits, 40 terms, 15 units error, with last 2 digits in error, last digits are 936984 should be 936999.

e with 50 digits, 41 terms, 17 units error, with last 2 digits in error, last digits are 9369978 should be 9369995.  
e with 51 digits, 41 terms, 19 units error, with last 2 digits in error, last digits are 3699940 should be 3699959.  
e with 52 digits, 42 terms, 21 units error, with last 2 digits in error, last digits are 6999574 should be 6999595.  
e with 53 digits, 43 terms, 21 units error, with last 2 digits in error, last digits are 9995936 should be 9995957.  
e with 54 digits, 43 terms, 20 units error, with last 2 digits in error, last digits are 9959554 should be 9959574.  
e with 55 digits, 44 terms, 20 units error, with last 2 digits in error, last digits are 9595729 should be 9595749.  
e with 56 digits, 44 terms, 21 units error, with last 2 digits in error, last digits are 5957475 should be 5957496.  
e with 57 digits, 45 terms, 22 units error, with last 2 digits in error, last digits are 9574944 should be 9574966.  
e with 58 digits, 46 terms, 23 units error, with last 2 digits in error, last digits are 5749646 should be 5749669.  
e with 59 digits, 46 terms, 23 units error, with last 2 digits in error, last digits are 7496673 should be 7496696.  
e with 60 digits, 47 terms, 24 units error, with last 2 digits in error, last digits are 4966943 should be 4966967.  
e with 61 digits, 47 terms, 24 units error, with last 2 digits in error, last digits are 9669652 should be 9669676.  
e with 62 digits, 48 terms, 22 units error, with last 2 digits in error, last digits are 6696740 should be 6696762.  
e with 63 digits, 49 terms, 26 units error, with last 2 digits in error, last digits are 6967601 should be 6967627.  
e with 64 digits, 49 terms, 23 units error, with last 2 digits in error, last digits are 9676254 should be 9676277.  
e with 65 digits, 50 terms, 25 units error, with last 2 digits in error, last digits are 6762747 should be 6762772.  
e with 66 digits, 50 terms, 25 units error, with last 3 digits in error, last digits are 7627699 should be 7627724.  
e with 67 digits, 51 terms, 20 units error, with last 2 digits in error, last digits are 6277220 should be 6277240.  
e with 68 digits, 52 terms, 21 units error, with last 3 digits in error, last digits are 2772386 should be 2772407.  
e with 69 digits, 52 terms, 26 units error, with last 2 digits in error, last digits are 7724050 should be 7724076.  
e with 70 digits, 53 terms, 27 units error, with last 2 digits in error, last digits are 7240739 should be 7240766.  
e with 71 digits, 53 terms, 31 units error, with last 2 digits in error, last digits are 2407632 should be 2407663.  
e with 72 digits, 54 terms, 29 units error, with last 2 digits in error, last digits are 4076601 should be 4076630.  
e with 73 digits, 54 terms, 26 units error, with last 3 digits in error, last digits are 7662777 should be 766303.  
e with 74 digits, 55 terms, 29 units error, with last 2 digits in error, last digits are 7663006 should be 7663035.  
e with 75 digits, 56 terms, 28 units error, with last 2 digits in error, last digits are 6630325 should be 6630353.  
e with 76 digits, 56 terms, 27 units error, with last 2 digits in error, last digits are 6303508 should be 6303535.  
e with 77 digits, 57 terms, 26 units error, with last 2 digits in error, last digits are 3035328 should be 3035354.  
e with 78 digits, 57 terms, 29 units error, with last 2 digits in error, last digits are 353518 should be 353547.  
e with 79 digits, 58 terms, 26 units error, with last 2 digits in error, last digits are 3535449 should be 3535475.  
e with 80 digits, 58 terms, 30 units error, with last 2 digits in error, last digits are 5354729 should be 5354759.  
e with 81 digits, 59 terms, 29 units error, with last 2 digits in error, last digits are 3547565 should be 3547594.  
e with 82 digits, 60 terms, 30 units error, with last 2 digits in error, last digits are 5475915 should be 5475945.  
e with 83 digits, 60 terms, 28 units error, with last 2 digits in error, last digits are 4759429 should be 4759457.  
e with 84 digits, 61 terms, 29 units error, with last 2 digits in error, last digits are 7594542 should be 7594571.  
e with 85 digits, 61 terms, 32 units error, with last 3 digits in error, last digits are 5945681 should be 5945713.  
e with 86 digits, 62 terms, 27 units error, with last 2 digits in error, last digits are 9457111 should be 9457138.  
e with 87 digits, 62 terms, 30 units error, with last 2 digits in error, last digits are 4571352 should be 4571382.  
e with 88 digits, 63 terms, 29 units error, with last 3 digits in error, last digits are 5713792 should be 5713821.  
e with 89 digits, 63 terms, 32 units error, with last 3 digits in error, last digits are 7138185 should be 7138217.  
e with 90 digits, 64 terms, 35 units error, with last 2 digits in error, last digits are 1382143 should be 1382178.  
e with 91 digits, 65 terms, 33 units error, with last 2 digits in error, last digits are 3821752 should be 3821785.  
e with 92 digits, 65 terms, 26 units error, with last 2 digits in error, last digits are 8217826 should be 8217852.  
e with 93 digits, 66 terms, 33 units error, with last 3 digits in error, last digits are 2178492 should be 2178525.  
e with 94 digits, 66 terms, 33 units error, with last 2 digits in error, last digits are 1785218 should be 1785251.  
e with 95 digits, 67 terms, 35 units error, with last 3 digits in error, last digits are 7852481 should be 7852516.  
e with 96 digits, 67 terms, 35 units error, with last 2 digits in error, last digits are 8525131 should be 8525166.  
e with 97 digits, 68 terms, 29 units error, with last 2 digits in error, last digits are 5251635 should be 5251664.  
e with 98 digits, 68 terms, 35 units error, with last 2 digits in error, last digits are 2516607 should be 2516642.  
e with 99 digits, 69 terms, 33 units error, with last 3 digits in error, last digits are 5166394 should be 5166427.  
e with 100 digits, 69 terms, 36 units error, with last 2 digits in error, last digits are 1664238 should be 1664274.  
e with 101 digits, 70 terms, 34 units error, with last 2 digits in error, last digits are 6642708 should be 6642742.  
e with 102 digits, 71 terms, 35 units error, with last 3 digits in error, last digits are 6427392 should be 6427427.  
e with 103 digits, 71 terms, 34 units error, with last 2 digits in error, last digits are 4274240 should be 4274274.  
e with 104 digits, 72 terms, 34 units error, with last 2 digits in error, last digits are 2742712 should be 2742746.  
e with 105 digits, 72 terms, 35 units error, with last 2 digits in error, last digits are 7427431 should be 7427466.

e with 106 digits, 73 terms, 34 units error, with last 2 digits in error, last digits are 4274629 should be 4274663.  
e with 107 digits, 73 terms, 38 units error, with last 2 digits in error, last digits are 2746601 should be 2746639.  
e with 108 digits, 74 terms, 34 units error, with last 2 digits in error, last digits are 7466357 should be 7466391.  
e with 109 digits, 74 terms, 38 units error, with last 3 digits in error, last digits are 4663881 should be 4663919.  
e with 110 digits, 75 terms, 37 units error, with last 2 digits in error, last digits are 6639156 should be 6639193.  
e with 111 digits, 75 terms, 35 units error, with last 3 digits in error, last digits are 6391897 should be 6391932.  
e with 112 digits, 76 terms, 39 units error, with last 3 digits in error, last digits are 3919281 should be 3919320.  
e with 113 digits, 76 terms, 37 units error, with last 3 digits in error, last digits are 9193163 should be 9193200.  
e with 114 digits, 77 terms, 39 units error, with last 4 digits in error, last digits are 1931964 should be 1932003.  
e with 115 digits, 77 terms, 38 units error, with last 5 digits in error, last digits are 9319992 should be 9320030.  
e with 116 digits, 78 terms, 38 units error, with last 3 digits in error, last digits are 3200267 should be 3200305.  
e with 117 digits, 79 terms, 43 units error, with last 2 digits in error, last digits are 2003016 should be 2003059.  
e with 118 digits, 79 terms, 41 units error, with last 2 digits in error, last digits are 30558 should be 30599.  
e with 119 digits, 80 terms, 39 units error, with last 2 digits in error, last digits are 305953 should be 305992.  
e with 120 digits, 80 terms, 39 units error, with last 3 digits in error, last digits are 3059882 should be 3059921.  
e with 121 digits, 81 terms, 37 units error, with last 3 digits in error, last digits are 599181 should be 599218.  
e with 122 digits, 81 terms, 36 units error, with last 2 digits in error, last digits are 5992145 should be 5992181.  
e with 123 digits, 82 terms, 37 units error, with last 3 digits in error, last digits are 9921780 should be 9921817.  
e with 124 digits, 82 terms, 40 units error, with last 2 digits in error, last digits are 9218134 should be 9218174.  
e with 125 digits, 83 terms, 42 units error, with last 3 digits in error, last digits are 2181699 should be 2181741.  
e with 126 digits, 83 terms, 39 units error, with last 3 digits in error, last digits are 1817374 should be 1817413.  
e with 127 digits, 84 terms, 44 units error, with last 3 digits in error, last digits are 8174091 should be 8174135.  
e with 128 digits, 84 terms, 48 units error, with last 2 digits in error, last digits are 1741311 should be 1741359.  
e with 129 digits, 85 terms, 47 units error, with last 2 digits in error, last digits are 7413549 should be 7413596.  
e with 130 digits, 85 terms, 41 units error, with last 2 digits in error, last digits are 4135925 should be 4135966.  
e with 131 digits, 86 terms, 46 units error, with last 2 digits in error, last digits are 1359616 should be 1359662.  
e with 132 digits, 86 terms, 41 units error, with last 3 digits in error, last digits are 3596588 should be 3596629.  
e with 133 digits, 87 terms, 45 units error, with last 2 digits in error, last digits are 5966245 should be 5966290.  
e with 134 digits, 87 terms, 43 units error, with last 3 digits in error, last digits are 9662861 should be 9662904.  
e with 135 digits, 88 terms, 41 units error, with last 2 digits in error, last digits are 6629002 should be 6629043.  
e with 136 digits, 88 terms, 48 units error, with last 3 digits in error, last digits are 6290387 should be 6290435.  
e with 137 digits, 89 terms, 48 units error, with last 2 digits in error, last digits are 2904309 should be 2904357.  
e with 138 digits, 89 terms, 47 units error, with last 2 digits in error, last digits are 9043525 should be 9043572.  
e with 139 digits, 90 terms, 41 units error, with last 3 digits in error, last digits are 435688 should be 435729.  
e with 140 digits, 90 terms, 47 units error, with last 2 digits in error, last digits are 4357243 should be 4357290.  
e with 141 digits, 91 terms, 48 units error, with last 3 digits in error, last digits are 3572852 should be 3572900.  
e with 142 digits, 91 terms, 52 units error, with last 4 digits in error, last digits are 5728951 should be 5729003.  
e with 143 digits, 92 terms, 43 units error, with last 5 digits in error, last digits are 7289990 should be 7290033.  
e with 144 digits, 92 terms, 46 units error, with last 3 digits in error, last digits are 2900288 should be 2900334.  
e with 145 digits, 93 terms, 43 units error, with last 3 digits in error, last digits are 9003299 should be 9003342.  
e with 146 digits, 93 terms, 46 units error, with last 3 digits in error, last digits are 33383 should be 33429.  
e with 147 digits, 94 terms, 45 units error, with last 2 digits in error, last digits are 334250 should be 334295.  
e with 148 digits, 94 terms, 49 units error, with last 2 digits in error, last digits are 3342903 should be 3342952.  
e with 149 digits, 95 terms, 46 units error, with last 3 digits in error, last digits are 3429480 should be 3429526.  
e with 150 digits, 96 terms, 48 units error, with last 2 digits in error, last digits are 4295212 should be 4295260.  
e with 151 digits, 96 terms, 45 units error, with last 3 digits in error, last digits are 2952560 should be 2952605.  
e with 152 digits, 97 terms, 46 units error, with last 2 digits in error, last digits are 9526013 should be 9526059.  
e with 153 digits, 97 terms, 48 units error, with last 2 digits in error, last digits are 5260547 should be 5260595.  
e with 154 digits, 98 terms, 56 units error, with last 2 digits in error, last digits are 2605900 should be 2605956.  
e with 155 digits, 98 terms, 50 units error, with last 2 digits in error, last digits are 6059513 should be 6059563.  
e with 156 digits, 99 terms, 47 units error, with last 3 digits in error, last digits are 595583 should be 595630.  
e with 157 digits, 99 terms, 50 units error, with last 3 digits in error, last digits are 5956257 should be 5956307.  
e with 158 digits, 100 terms, 50 units error, with last 2 digits in error, last digits are 9563023 should be 9563073.  
e with 159 digits, 100 terms, 49 units error, with last 3 digits in error, last digits are 5630689 should be 5630738.  
e with 160 digits, 101 terms, 54 units error, with last 2 digits in error, last digits are 6307327 should be 6307381.  
e with 161 digits, 101 terms, 48 units error, with last 3 digits in error, last digits are 3073765 should be 3073813.

e with 162 digits, 102 terms, 48 units error, with last 3 digits in error, last digits are 738084 should be 738132.  
e with 163 digits, 102 terms, 54 units error, with last 3 digits in error, last digits are 7381269 should be 7381323.  
e with 164 digits, 103 terms, 54 units error, with last 3 digits in error, last digits are 3813178 should be 3813232.  
e with 165 digits, 103 terms, 51 units error, with last 3 digits in error, last digits are 8132277 should be 8132328.  
e with 166 digits, 103 terms, 54 units error, with last 2 digits in error, last digits are 1323232 should be 1323286.  
e with 167 digits, 104 terms, 57 units error, with last 2 digits in error, last digits are 3232805 should be 3232862.  
e with 168 digits, 104 terms, 50 units error, with last 3 digits in error, last digits are 2328577 should be 2328627.  
e with 169 digits, 105 terms, 50 units error, with last 2 digits in error, last digits are 3286229 should be 3286279.  
e with 170 digits, 105 terms, 53 units error, with last 2 digits in error, last digits are 2862741 should be 2862794.  
e with 171 digits, 106 terms, 55 units error, with last 3 digits in error, last digits are 8627888 should be 8627943.  
e with 172 digits, 106 terms, 55 units error, with last 3 digits in error, last digits are 6279379 should be 6279434.  
e with 173 digits, 107 terms, 57 units error, with last 3 digits in error, last digits are 2794292 should be 2794349.  
e with 174 digits, 107 terms, 52 units error, with last 2 digits in error, last digits are 7943438 should be 7943490.  
e with 175 digits, 108 terms, 56 units error, with last 3 digits in error, last digits are 9434851 should be 9434907.  
e with 176 digits, 108 terms, 56 units error, with last 2 digits in error, last digits are 4349020 should be 4349076.  
e with 177 digits, 109 terms, 56 units error, with last 2 digits in error, last digits are 3490707 should be 3490763.  
e with 178 digits, 109 terms, 60 units error, with last 3 digits in error, last digits are 4907572 should be 4907632.  
e with 179 digits, 110 terms, 54 units error, with last 3 digits in error, last digits are 9076269 should be 9076323.  
e with 180 digits, 110 terms, 57 units error, with last 3 digits in error, last digits are 763176 should be 763233.  
e with 181 digits, 111 terms, 58 units error, with last 3 digits in error, last digits are 7632280 should be 7632338.  
e with 182 digits, 111 terms, 55 units error, with last 2 digits in error, last digits are 6323327 should be 6323382.  
e with 183 digits, 112 terms, 53 units error, with last 3 digits in error, last digits are 3233776 should be 3233829.  
e with 184 digits, 112 terms, 52 units error, with last 2 digits in error, last digits are 2338246 should be 2338298.  
e with 185 digits, 113 terms, 57 units error, with last 2 digits in error, last digits are 3382931 should be 3382988.  
e with 186 digits, 113 terms, 53 units error, with last 2 digits in error, last digits are 3829827 should be 3829880.  
e with 187 digits, 114 terms, 56 units error, with last 3 digits in error, last digits are 8298751 should be 8298807.  
e with 188 digits, 114 terms, 52 units error, with last 2 digits in error, last digits are 2988023 should be 2988075.  
e with 189 digits, 115 terms, 49 units error, with last 2 digits in error, last digits are 9880704 should be 9880753.  
e with 190 digits, 115 terms, 54 units error, with last 3 digits in error, last digits are 8807477 should be 8807531.  
e with 191 digits, 116 terms, 58 units error, with last 3 digits in error, last digits are 8075261 should be 8075319.  
e with 192 digits, 116 terms, 52 units error, with last 2 digits in error, last digits are 753143 should be 753195.  
e with 193 digits, 117 terms, 54 units error, with last 3 digits in error, last digits are 7531898 should be 7531952.  
e with 194 digits, 117 terms, 56 units error, with last 3 digits in error, last digits are 5319469 should be 5319525.  
e with 195 digits, 118 terms, 58 units error, with last 3 digits in error, last digits are 3195193 should be 3195251.  
e with 196 digits, 118 terms, 58 units error, with last 3 digits in error, last digits are 1952452 should be 1952510.  
e with 197 digits, 119 terms, 59 units error, with last 3 digits in error, last digits are 9525042 should be 9525101.  
e with 198 digits, 119 terms, 58 units error, with last 4 digits in error, last digits are 5250961 should be 5251019.  
e with 199 digits, 120 terms, 55 units error, with last 2 digits in error, last digits are 2510135 should be 2510190.  
e with 200 digits, 120 terms, 57 units error, with last 3 digits in error, last digits are 5101844 should be 5101901.  
e with 201 digits, 121 terms, 61 units error, with last 4 digits in error, last digits are 1018950 should be 1019011.  
e with 202 digits, 121 terms, 65 units error, with last 3 digits in error, last digits are 190050 should be 190115.  
e with 203 digits, 122 terms, 56 units error, with last 2 digits in error, last digits are 1901101 should be 1901157.  
e with 204 digits, 122 terms, 58 units error, with last 2 digits in error, last digits are 9011515 should be 9011573.  
e with 205 digits, 122 terms, 62 units error, with last 3 digits in error, last digits are 115676 should be 115738.  
e with 206 digits, 123 terms, 63 units error, with last 2 digits in error, last digits are 1157320 should be 1157383.  
e with 207 digits, 123 terms, 64 units error, with last 3 digits in error, last digits are 1573770 should be 1573834.  
e with 208 digits, 124 terms, 60 units error, with last 3 digits in error, last digits are 5738281 should be 5738341.  
e with 209 digits, 124 terms, 59 units error, with last 3 digits in error, last digits are 7383359 should be 7383418.  
e with 210 digits, 125 terms, 61 units error, with last 2 digits in error, last digits are 3834126 should be 3834187.  
e with 211 digits, 125 terms, 59 units error, with last 2 digits in error, last digits are 8341820 should be 8341879.  
e with 212 digits, 126 terms, 60 units error, with last 2 digits in error, last digits are 3418733 should be 3418793.  
e with 213 digits, 126 terms, 60 units error, with last 3 digits in error, last digits are 4187870 should be 4187930.  
e with 214 digits, 127 terms, 65 units error, with last 3 digits in error, last digits are 1879242 should be 1879307.  
e with 215 digits, 127 terms, 66 units error, with last 2 digits in error, last digits are 8793004 should be 8793070.  
e with 216 digits, 128 terms, 65 units error, with last 3 digits in error, last digits are 7930637 should be 7930702.  
e with 217 digits, 128 terms, 63 units error, with last 4 digits in error, last digits are 9306958 should be 9307021.

e with 218 digits, 129 terms, 63 units error, with last 3 digits in error, last digits are 3070152 should be 3070215.  
e with 219 digits, 129 terms, 53 units error, with last 2 digits in error, last digits are 702101 should be 702154.  
e with 220 digits, 130 terms, 60 units error, with last 3 digits in error, last digits are 7021480 should be 7021540.  
e with 221 digits, 130 terms, 62 units error, with last 3 digits in error, last digits are 215346 should be 215408.  
e with 222 digits, 131 terms, 65 units error, with last 2 digits in error, last digits are 2154024 should be 2154089.  
e with 223 digits, 131 terms, 60 units error, with last 2 digits in error, last digits are 1540831 should be 1540891.  
e with 224 digits, 131 terms, 65 units error, with last 3 digits in error, last digits are 5408849 should be 5408914.  
e with 225 digits, 132 terms, 64 units error, with last 3 digits in error, last digits are 4089085 should be 4089149.  
e with 226 digits, 132 terms, 72 units error, with last 2 digits in error, last digits are 891427 should be 891499.  
e with 227 digits, 133 terms, 63 units error, with last 2 digits in error, last digits are 8914930 should be 8914993.  
e with 228 digits, 133 terms, 66 units error, with last 3 digits in error, last digits are 9149868 should be 9149934.  
e with 229 digits, 134 terms, 61 units error, with last 3 digits in error, last digits are 1499287 should be 1499348.  
e with 230 digits, 134 terms, 69 units error, with last 2 digits in error, last digits are 4993419 should be 4993488.  
e with 231 digits, 135 terms, 66 units error, with last 2 digits in error, last digits are 9934818 should be 9934884.  
e with 232 digits, 135 terms, 67 units error, with last 3 digits in error, last digits are 9348774 should be 9348841.  
e with 233 digits, 136 terms, 68 units error, with last 3 digits in error, last digits are 3488348 should be 3488416.  
e with 234 digits, 136 terms, 67 units error, with last 2 digits in error, last digits are 4884100 should be 4884167.  
e with 235 digits, 137 terms, 66 units error, with last 2 digits in error, last digits are 8841609 should be 8841675.  
e with 236 digits, 137 terms, 71 units error, with last 3 digits in error, last digits are 8416679 should be 8416750.  
e with 237 digits, 138 terms, 71 units error, with last 3 digits in error, last digits are 4167438 should be 4167509.  
e with 238 digits, 138 terms, 69 units error, with last 2 digits in error, last digits are 1675023 should be 1675092.  
e with 239 digits, 139 terms, 62 units error, with last 3 digits in error, last digits are 6750862 should be 6750924.  
e with 240 digits, 139 terms, 65 units error, with last 3 digits in error, last digits are 7509179 should be 7509244.  
e with 241 digits, 139 terms, 75 units error, with last 3 digits in error, last digits are 5092372 should be 5092447.  
e with 242 digits, 140 terms, 71 units error, with last 2 digits in error, last digits are 924405 should be 924476.  
e with 243 digits, 140 terms, 69 units error, with last 3 digits in error, last digits are 9244692 should be 9244761.  
e with 244 digits, 141 terms, 75 units error, with last 3 digits in error, last digits are 2447539 should be 2447614.  
e with 245 digits, 141 terms, 72 units error, with last 3 digits in error, last digits are 4476074 should be 4476146.  
e with 246 digits, 142 terms, 72 units error, with last 3 digits in error, last digits are 4761388 should be 4761460.  
e with 247 digits, 142 terms, 67 units error, with last 3 digits in error, last digits are 7614539 should be 7614606.  
e with 248 digits, 143 terms, 70 units error, with last 4 digits in error, last digits are 6145996 should be 6146066.  
e with 249 digits, 143 terms, 62 units error, with last 2 digits in error, last digits are 1460606 should be 1460668.  
e with 250 digits, 144 terms, 77 units error, with last 2 digits in error, last digits are 4606603 should be 4606680.  
e with 251 digits, 144 terms, 70 units error, with last 3 digits in error, last digits are 6066738 should be 6066808.  
e with 252 digits, 145 terms, 67 units error, with last 2 digits in error, last digits are 668015 should be 668082.  
e with 253 digits, 145 terms, 72 units error, with last 3 digits in error, last digits are 6680750 should be 6680822.  
e with 254 digits, 145 terms, 70 units error, with last 3 digits in error, last digits are 6808156 should be 6808226.  
e with 255 digits, 146 terms, 67 units error, with last 3 digits in error, last digits are 8082197 should be 8082264.  
e with 256 digits, 146 terms, 74 units error, with last 3 digits in error, last digits are 822574 should be 822648.  
e with 257 digits, 147 terms, 74 units error, with last 2 digits in error, last digits are 8226406 should be 8226480.  
e with 258 digits, 147 terms, 77 units error, with last 3 digits in error, last digits are 2264723 should be 2264800.  
e with 259 digits, 148 terms, 74 units error, with last 4 digits in error, last digits are 2647927 should be 2648001.  
e with 260 digits, 148 terms, 71 units error, with last 5 digits in error, last digits are 6479945 should be 6480016.  
e with 261 digits, 149 terms, 73 units error, with last 3 digits in error, last digits are 4800095 should be 4800168.  
e with 262 digits, 149 terms, 72 units error, with last 2 digits in error, last digits are 8001612 should be 8001684.  
e with 263 digits, 150 terms, 71 units error, with last 3 digits in error, last digits are 16776 should be 16847.  
e with 264 digits, 150 terms, 76 units error, with last 2 digits in error, last digits are 168401 should be 168477.  
e with 265 digits, 151 terms, 70 units error, with last 2 digits in error, last digits are 1684704 should be 1684774.  
e with 266 digits, 151 terms, 63 units error, with last 3 digits in error, last digits are 6847678 should be 6847741.  
e with 267 digits, 151 terms, 74 units error, with last 3 digits in error, last digits are 8477337 should be 8477411.  
e with 268 digits, 152 terms, 80 units error, with last 3 digits in error, last digits are 4774038 should be 4774118.  
e with 269 digits, 152 terms, 75 units error, with last 2 digits in error, last digits are 7741110 should be 7741185.  
e with 270 digits, 153 terms, 74 units error, with last 3 digits in error, last digits are 7411779 should be 7411853.  
e with 271 digits, 153 terms, 82 units error, with last 3 digits in error, last digits are 4118455 should be 4118537.  
e with 272 digits, 154 terms, 75 units error, with last 3 digits in error, last digits are 1185299 should be 1185374.  
e with 273 digits, 154 terms, 76 units error, with last 3 digits in error, last digits are 1853666 should be 1853742.

e with 274 digits, 155 terms, 79 units error, with last 3 digits in error, last digits are 8537344 should be 8537423.  
e with 275 digits, 155 terms, 72 units error, with last 3 digits in error, last digits are 5374162 should be 5374234.  
e with 276 digits, 156 terms, 78 units error, with last 3 digits in error, last digits are 3742267 should be 3742345.  
e with 277 digits, 156 terms, 81 units error, with last 3 digits in error, last digits are 7423373 should be 7423454.  
e with 278 digits, 156 terms, 80 units error, with last 3 digits in error, last digits are 4234464 should be 4234544.  
e with 279 digits, 157 terms, 75 units error, with last 3 digits in error, last digits are 2345367 should be 2345442.  
e with 280 digits, 157 terms, 75 units error, with last 3 digits in error, last digits are 3454349 should be 3454424.  
e with 281 digits, 158 terms, 78 units error, with last 3 digits in error, last digits are 4544165 should be 4544243.  
e with 282 digits, 158 terms, 79 units error, with last 3 digits in error, last digits are 5442358 should be 5442437.  
e with 283 digits, 159 terms, 74 units error, with last 3 digits in error, last digits are 4424297 should be 4424371.  
e with 284 digits, 159 terms, 83 units error, with last 3 digits in error, last digits are 4243627 should be 4243710.  
e with 285 digits, 160 terms, 83 units error, with last 3 digits in error, last digits are 2437024 should be 2437107.  
e with 286 digits, 160 terms, 79 units error, with last 4 digits in error, last digits are 4370996 should be 4371075.  
e with 287 digits, 161 terms, 84 units error, with last 3 digits in error, last digits are 3710669 should be 3710753.  
e with 288 digits, 161 terms, 76 units error, with last 3 digits in error, last digits are 7107463 should be 7107539.  
e with 289 digits, 161 terms, 79 units error, with last 2 digits in error, last digits are 1075311 should be 1075390.  
e with 290 digits, 162 terms, 82 units error, with last 3 digits in error, last digits are 753825 should be 753907.  
e with 291 digits, 162 terms, 77 units error, with last 2 digits in error, last digits are 7539000 should be 7539077.  
e with 292 digits, 163 terms, 83 units error, with last 3 digits in error, last digits are 5390694 should be 5390777.  
e with 293 digits, 163 terms, 79 units error, with last 3 digits in error, last digits are 3907695 should be 3907774.  
e with 294 digits, 164 terms, 78 units error, with last 3 digits in error, last digits are 9077666 should be 9077744.  
e with 295 digits, 164 terms, 80 units error, with last 3 digits in error, last digits are 777369 should be 777449.  
e with 296 digits, 165 terms, 78 units error, with last 2 digits in error, last digits are 7774421 should be 7774499.  
e with 297 digits, 165 terms, 84 units error, with last 2 digits in error, last digits are 7744908 should be 7744992.  
e with 298 digits, 166 terms, 87 units error, with last 3 digits in error, last digits are 7449833 should be 7449920.  
e with 299 digits, 166 terms, 82 units error, with last 3 digits in error, last digits are 4499124 should be 4499206.  
e with 300 digits, 166 terms, 88 units error, with last 4 digits in error, last digits are 4991981 should be 4992069.  
e with 301 digits, 167 terms, 81 units error, with last 2 digits in error, last digits are 9920614 should be 9920695.  
e with 302 digits, 167 terms, 86 units error, with last 3 digits in error, last digits are 9206869 should be 9206955.  
e with 303 digits, 168 terms, 73 units error, with last 3 digits in error, last digits are 2069478 should be 2069551.  
e with 304 digits, 168 terms, 85 units error, with last 3 digits in error, last digits are 695432 should be 695517.  
e with 305 digits, 169 terms, 85 units error, with last 3 digits in error, last digits are 6955085 should be 6955170.  
e with 306 digits, 169 terms, 86 units error, with last 3 digits in error, last digits are 9551616 should be 9551702.  
e with 307 digits, 170 terms, 77 units error, with last 4 digits in error, last digits are 5516950 should be 5517027.  
e with 308 digits, 170 terms, 81 units error, with last 3 digits in error, last digits are 5170195 should be 5170276.  
e with 309 digits, 170 terms, 78 units error, with last 3 digits in error, last digits are 1702683 should be 1702761.  
e with 310 digits, 171 terms, 87 units error, with last 3 digits in error, last digits are 7027531 should be 7027618.  
e with 311 digits, 171 terms, 80 units error, with last 2 digits in error, last digits are 276103 should be 276183.  
e with 312 digits, 172 terms, 78 units error, with last 3 digits in error, last digits are 2761760 should be 2761838.  
e with 313 digits, 172 terms, 84 units error, with last 2 digits in error, last digits are 7618302 should be 7618386.  
e with 314 digits, 173 terms, 77 units error, with last 3 digits in error, last digits are 6183783 should be 6183860.  
e with 315 digits, 173 terms, 82 units error, with last 3 digits in error, last digits are 1838524 should be 1838606.  
e with 316 digits, 174 terms, 94 units error, with last 4 digits in error, last digits are 8385968 should be 8386062.  
e with 317 digits, 174 terms, 93 units error, with last 3 digits in error, last digits are 3860533 should be 3860626.  
e with 318 digits, 174 terms, 84 units error, with last 3 digits in error, last digits are 8606177 should be 8606261.  
e with 319 digits, 175 terms, 83 units error, with last 3 digits in error, last digits are 6062530 should be 6062613.  
e with 320 digits, 175 terms, 92 units error, with last 3 digits in error, last digits are 626041 should be 626133.  
e with 321 digits, 176 terms, 92 units error, with last 3 digits in error, last digits are 6261239 should be 6261331.  
e with 322 digits, 176 terms, 89 units error, with last 3 digits in error, last digits are 2613224 should be 2613313.  
e with 323 digits, 177 terms, 91 units error, with last 3 digits in error, last digits are 6133047 should be 6133138.  
e with 324 digits, 177 terms, 89 units error, with last 3 digits in error, last digits are 1331295 should be 1331384.  
e with 325 digits, 178 terms, 90 units error, with last 3 digits in error, last digits are 3313755 should be 3313845.  
e with 326 digits, 178 terms, 91 units error, with last 3 digits in error, last digits are 3138367 should be 3138458.  
e with 327 digits, 178 terms, 94 units error, with last 3 digits in error, last digits are 1384489 should be 1384583.  
e with 328 digits, 179 terms, 91 units error, with last 3 digits in error, last digits are 3845739 should be 3845830.  
e with 329 digits, 179 terms, 88 units error, with last 3 digits in error, last digits are 8458212 should be 8458300.



e with 330 digits, 180 terms, 94 units error, with last 4 digits in error, last digits are 4582906 should be 4583000.  
e with 331 digits, 180 terms, 97 units error, with last 5 digits in error, last digits are 5829910 should be 5830007.  
e with 332 digits, 181 terms, 89 units error, with last 6 digits in error, last digits are 8299986 should be 8300075.  
e with 333 digits, 181 terms, 89 units error, with last 3 digits in error, last digits are 3000663 should be 3000752.  
e with 334 digits, 182 terms, 94 units error, with last 3 digits in error, last digits are 7426 should be 7520.  
e with 335 digits, 182 terms, 93 units error, with last 3 digits in error, last digits are 75111 should be 75204.  
e with 336 digits, 182 terms, 85 units error, with last 4 digits in error, last digits are 751959 should be 752044.  
e with 337 digits, 183 terms, 80 units error, with last 3 digits in error, last digits are 7520369 should be 7520449.  
e with 338 digits, 183 terms, 85 units error, with last 2 digits in error, last digits are 5204408 should be 5204493.  
e with 339 digits, 184 terms, 90 units error, with last 3 digits in error, last digits are 2044843 should be 2044933.  
e with 340 digits, 184 terms, 94 units error, with last 3 digits in error, last digits are 449244 should be 449338.  
e with 341 digits, 185 terms, 99 units error, with last 3 digits in error, last digits are 4493283 should be 4493382.  
e with 342 digits, 185 terms, 91 units error, with last 3 digits in error, last digits are 4933735 should be 4933826.  
e with 343 digits, 186 terms, 90 units error, with last 3 digits in error, last digits are 9338175 should be 9338265.  
e with 344 digits, 186 terms, 94 units error, with last 3 digits in error, last digits are 3382562 should be 3382656.  
e with 345 digits, 186 terms, 89 units error, with last 3 digits in error, last digits are 3826471 should be 3826560.  
e with 346 digits, 187 terms, 94 units error, with last 3 digits in error, last digits are 8265508 should be 8265602.  
e with 347 digits, 187 terms, 90 units error, with last 4 digits in error, last digits are 2655939 should be 2656029.  
e with 348 digits, 188 terms, 94 units error, with last 2 digits in error, last digits are 6560203 should be 6560297.  
e with 349 digits, 188 terms, 93 units error, with last 3 digits in error, last digits are 5602883 should be 5602976.  
e with 350 digits, 189 terms, 95 units error, with last 3 digits in error, last digits are 6029665 should be 6029760.  
e with 351 digits, 189 terms, 100 units error, with last 3 digits in error, last digits are 297506 should be 297606.  
e with 352 digits, 190 terms, 99 units error, with last 4 digits in error, last digits are 2975968 should be 2976067.  
e with 353 digits, 190 terms, 94 units error, with last 3 digits in error, last digits are 9760579 should be 9760673.  
e with 354 digits, 190 terms, 87 units error, with last 3 digits in error, last digits are 7606650 should be 7606737.  
e with 355 digits, 191 terms, 91 units error, with last 3 digits in error, last digits are 6067280 should be 6067371.  
e with 356 digits, 191 terms, 96 units error, with last 3 digits in error, last digits are 673615 should be 673711.  
e with 357 digits, 192 terms, 98 units error, with last 3 digits in error, last digits are 6737015 should be 6737113.  
e with 358 digits, 192 terms, 95 units error, with last 3 digits in error, last digits are 7371037 should be 7371132.  
e with 359 digits, 193 terms, 93 units error, with last 3 digits in error, last digits are 3711227 should be 3711320.  
e with 360 digits, 193 terms, 91 units error, with last 3 digits in error, last digits are 7113109 should be 7113200.  
e with 361 digits, 193 terms, 97 units error, with last 4 digits in error, last digits are 1131910 should be 1132007.  
e with 362 digits, 194 terms, 98 units error, with last 5 digits in error, last digits are 1319972 should be 1320070.  
e with 363 digits, 194 terms, 96 units error, with last 3 digits in error, last digits are 3200613 should be 3200709.  
e with 364 digits, 195 terms, 95 units error, with last 4 digits in error, last digits are 2006998 should be 2007093.  
e with 365 digits, 195 terms, 97 units error, with last 3 digits in error, last digits are 70835 should be 70932.  
e with 366 digits, 196 terms, 100 units error, with last 3 digits in error, last digits are 709228 should be 709328.  
e with 367 digits, 196 terms, 100 units error, with last 3 digits in error, last digits are 7093187 should be 7093287.  
e with 368 digits, 196 terms, 96 units error, with last 3 digits in error, last digits are 932774 should be 932870.  
e with 369 digits, 197 terms, 92 units error, with last 3 digits in error, last digits are 9328617 should be 9328709.  
e with 370 digits, 197 terms, 96 units error, with last 4 digits in error, last digits are 3286995 should be 3287091.  
e with 371 digits, 198 terms, 108 units error, with last 3 digits in error, last digits are 2870804 should be 2870912.  
e with 372 digits, 198 terms, 91 units error, with last 3 digits in error, last digits are 8709036 should be 8709127.  
e with 373 digits, 199 terms, 92 units error, with last 3 digits in error, last digits are 7091182 should be 7091274.  
e with 374 digits, 199 terms, 98 units error, with last 3 digits in error, last digits are 912646 should be 912744.  
e with 375 digits, 200 terms, 99 units error, with last 3 digits in error, last digits are 9127344 should be 9127443.  
e with 376 digits, 200 terms, 95 units error, with last 3 digits in error, last digits are 1274342 should be 1274437.  
e with 377 digits, 200 terms, 97 units error, with last 3 digits in error, last digits are 2744277 should be 2744374.  
e with 378 digits, 201 terms, 99 units error, with last 3 digits in error, last digits are 7443648 should be 7443747.  
e with 379 digits, 201 terms, 99 units error, with last 3 digits in error, last digits are 4437371 should be 4437470.  
e with 380 digits, 202 terms, 100 units error, with last 3 digits in error, last digits are 4374604 should be 4374704.  
e with 381 digits, 202 terms, 92 units error, with last 4 digits in error, last digits are 3746955 should be 3747047.  
e with 382 digits, 203 terms, 97 units error, with last 3 digits in error, last digits are 7470375 should be 7470472.  
e with 383 digits, 203 terms, 106 units error, with last 3 digits in error, last digits are 4704617 should be 4704723.  
e with 384 digits, 203 terms, 105 units error, with last 3 digits in error, last digits are 7047125 should be 7047230.  
e with 385 digits, 204 terms, 99 units error, with last 3 digits in error, last digits are 472207 should be 472306.

e with 386 digits, 204 terms, 97 units error, with last 4 digits in error, last digits are 4722972 should be 4723069.  
e with 387 digits, 205 terms, 104 units error, with last 3 digits in error, last digits are 7230592 should be 7230696.  
e with 388 digits, 205 terms, 101 units error, with last 3 digits in error, last digits are 2306868 should be 2306969.  
e with 389 digits, 206 terms, 95 units error, with last 2 digits in error, last digits are 3069602 should be 3069697.  
e with 390 digits, 206 terms, 98 units error, with last 3 digits in error, last digits are 696879 should be 696977.  
e with 391 digits, 206 terms, 99 units error, with last 3 digits in error, last digits are 6969673 should be 6969772.  
e with 392 digits, 207 terms, 99 units error, with last 3 digits in error, last digits are 9697621 should be 9697720.  
e with 393 digits, 207 terms, 101 units error, with last 3 digits in error, last digits are 6977108 should be 6977209.  
e with 394 digits, 208 terms, 101 units error, with last 4 digits in error, last digits are 9771992 should be 9772093.  
e with 395 digits, 208 terms, 99 units error, with last 3 digits in error, last digits are 7720832 should be 7720931.  
e with 396 digits, 209 terms, 99 units error, with last 3 digits in error, last digits are 7209211 should be 7209310.  
e with 397 digits, 209 terms, 100 units error, with last 3 digits in error, last digits are 2093001 should be 2093101.  
e with 398 digits, 209 terms, 102 units error, with last 4 digits in error, last digits are 930912 should be 931014.  
e with 399 digits, 210 terms, 107 units error, with last 3 digits in error, last digits are 9310034 should be 9310141.  
e with 400 digits, 210 terms, 108 units error, with last 3 digits in error, last digits are 3101308 should be 3101416.  
e with 401 digits, 211 terms, 106 units error, with last 3 digits in error, last digits are 1014063 should be 1014169.  
e with 402 digits, 211 terms, 103 units error, with last 3 digits in error, last digits are 141589 should be 141692.  
e with 403 digits, 212 terms, 108 units error, with last 3 digits in error, last digits are 1416820 should be 1416928.  
e with 404 digits, 212 terms, 104 units error, with last 3 digits in error, last digits are 4169179 should be 4169283.  
e with 405 digits, 212 terms, 108 units error, with last 3 digits in error, last digits are 1692728 should be 1692836.  
e with 406 digits, 213 terms, 106 units error, with last 3 digits in error, last digits are 6928262 should be 6928368.  
e with 407 digits, 213 terms, 107 units error, with last 3 digits in error, last digits are 9283574 should be 9283681.  
e with 408 digits, 214 terms, 107 units error, with last 3 digits in error, last digits are 2836712 should be 2836819.  
e with 409 digits, 214 terms, 105 units error, with last 3 digits in error, last digits are 8368085 should be 8368190.  
e with 410 digits, 215 terms, 109 units error, with last 3 digits in error, last digits are 3681793 should be 3681902.  
e with 411 digits, 215 terms, 107 units error, with last 4 digits in error, last digits are 6818918 should be 6819025.  
e with 412 digits, 215 terms, 116 units error, with last 3 digits in error, last digits are 8190139 should be 8190255.  
e with 413 digits, 216 terms, 116 units error, with last 3 digits in error, last digits are 1902435 should be 1902551.  
e with 414 digits, 216 terms, 107 units error, with last 3 digits in error, last digits are 9025408 should be 9025515.  
e with 415 digits, 217 terms, 106 units error, with last 3 digits in error, last digits are 255045 should be 255151.  
e with 416 digits, 217 terms, 110 units error, with last 3 digits in error, last digits are 2551400 should be 2551510.  
e with 417 digits, 218 terms, 106 units error, with last 3 digits in error, last digits are 5515002 should be 5515108.  
e with 418 digits, 218 terms, 112 units error, with last 4 digits in error, last digits are 5150974 should be 5151086.  
e with 419 digits, 218 terms, 110 units error, with last 3 digits in error, last digits are 1510755 should be 1510865.  
e with 420 digits, 219 terms, 106 units error, with last 3 digits in error, last digits are 5108551 should be 5108657.  
e with 421 digits, 219 terms, 104 units error, with last 3 digits in error, last digits are 1086470 should be 1086574.  
e with 422 digits, 220 terms, 117 units error, with last 3 digits in error, last digits are 865629 should be 865746.  
e with 423 digits, 220 terms, 108 units error, with last 3 digits in error, last digits are 8657355 should be 8657463.  
e with 424 digits, 221 terms, 115 units error, with last 3 digits in error, last digits are 6574522 should be 6574637.  
e with 425 digits, 221 terms, 111 units error, with last 3 digits in error, last digits are 5746266 should be 5746377.  
e with 426 digits, 221 terms, 114 units error, with last 3 digits in error, last digits are 7463658 should be 7463772.  
e with 427 digits, 222 terms, 107 units error, with last 3 digits in error, last digits are 4637614 should be 4637721.  
e with 428 digits, 222 terms, 109 units error, with last 3 digits in error, last digits are 6377102 should be 6377211.  
e with 429 digits, 223 terms, 110 units error, with last 3 digits in error, last digits are 3772001 should be 3772111.  
e with 430 digits, 223 terms, 113 units error, with last 4 digits in error, last digits are 7720999 should be 7721112.  
e with 431 digits, 224 terms, 107 units error, with last 3 digits in error, last digits are 7211018 should be 7211125.  
e with 432 digits, 224 terms, 107 units error, with last 3 digits in error, last digits are 2111145 should be 2111252.  
e with 433 digits, 224 terms, 101 units error, with last 3 digits in error, last digits are 1112422 should be 1112523.  
e with 434 digits, 225 terms, 109 units error, with last 3 digits in error, last digits are 1125129 should be 1125238.  
e with 435 digits, 225 terms, 115 units error, with last 3 digits in error, last digits are 1252274 should be 1252389.  
e with 436 digits, 226 terms, 109 units error, with last 3 digits in error, last digits are 2523788 should be 2523897.  
e with 437 digits, 226 terms, 109 units error, with last 3 digits in error, last digits are 5238869 should be 5238978.  
e with 438 digits, 227 terms, 107 units error, with last 3 digits in error, last digits are 2389677 should be 2389784.  
e with 439 digits, 227 terms, 110 units error, with last 3 digits in error, last digits are 3897734 should be 3897844.  
e with 440 digits, 227 terms, 111 units error, with last 3 digits in error, last digits are 8978331 should be 8978442.  
e with 441 digits, 228 terms, 112 units error, with last 3 digits in error, last digits are 9784313 should be 9784425.

e with 442 digits, 228 terms, 114 units error, with last 3 digits in error, last digits are 7844136 should be 7844250.  
e with 443 digits, 229 terms, 111 units error, with last 3 digits in error, last digits are 8442394 should be 8442505.  
e with 444 digits, 229 terms, 114 units error, with last 4 digits in error, last digits are 4424942 should be 4425056.  
e with 445 digits, 230 terms, 115 units error, with last 3 digits in error, last digits are 4250454 should be 4250569.  
e with 446 digits, 230 terms, 109 units error, with last 3 digits in error, last digits are 2505586 should be 2505695.  
e with 447 digits, 230 terms, 111 units error, with last 3 digits in error, last digits are 5056842 should be 5056953.  
e with 448 digits, 231 terms, 116 units error, with last 3 digits in error, last digits are 569420 should be 569536.  
e with 449 digits, 231 terms, 115 units error, with last 3 digits in error, last digits are 5695254 should be 5695369.  
e with 450 digits, 232 terms, 110 units error, with last 3 digits in error, last digits are 6953586 should be 6953696.  
e with 451 digits, 232 terms, 112 units error, with last 3 digits in error, last digits are 9536855 should be 9536967.  
e with 452 digits, 233 terms, 110 units error, with last 3 digits in error, last digits are 5369567 should be 5369677.  
e with 453 digits, 233 terms, 107 units error, with last 3 digits in error, last digits are 3696663 should be 3696770.  
e with 454 digits, 233 terms, 112 units error, with last 3 digits in error, last digits are 6967595 should be 6967707.  
e with 455 digits, 234 terms, 122 units error, with last 4 digits in error, last digits are 9676956 should be 9677078.  
e with 456 digits, 234 terms, 118 units error, with last 3 digits in error, last digits are 6770667 should be 6770785.  
e with 457 digits, 235 terms, 117 units error, with last 3 digits in error, last digits are 7707737 should be 7707854.  
e with 458 digits, 235 terms, 114 units error, with last 3 digits in error, last digits are 7078430 should be 7078544.  
e with 459 digits, 235 terms, 124 units error, with last 3 digits in error, last digits are 785325 should be 785449.  
e with 460 digits, 236 terms, 124 units error, with last 3 digits in error, last digits are 7854375 should be 7854499.  
e with 461 digits, 236 terms, 121 units error, with last 3 digits in error, last digits are 8544875 should be 8544996.  
e with 462 digits, 237 terms, 114 units error, with last 3 digits in error, last digits are 5449855 should be 5449969.  
e with 463 digits, 237 terms, 117 units error, with last 3 digits in error, last digits are 4499582 should be 4499699.  
e with 464 digits, 238 terms, 113 units error, with last 3 digits in error, last digits are 4996883 should be 4996996.  
e with 465 digits, 238 terms, 127 units error, with last 3 digits in error, last digits are 9969840 should be 9969967.  
e with 466 digits, 238 terms, 117 units error, with last 3 digits in error, last digits are 9699562 should be 9699679.  
e with 467 digits, 239 terms, 117 units error, with last 3 digits in error, last digits are 6996677 should be 6996794.  
e with 468 digits, 239 terms, 123 units error, with last 3 digits in error, last digits are 9967823 should be 9967946.  
e with 469 digits, 240 terms, 114 units error, with last 3 digits in error, last digits are 9679354 should be 9679468.  
e with 470 digits, 240 terms, 116 units error, with last 3 digits in error, last digits are 6794570 should be 6794686.  
e with 471 digits, 241 terms, 125 units error, with last 3 digits in error, last digits are 7946739 should be 7946864.  
e with 472 digits, 241 terms, 122 units error, with last 3 digits in error, last digits are 9468522 should be 9468644.  
e with 473 digits, 241 terms, 123 units error, with last 3 digits in error, last digits are 4686322 should be 4686445.  
e with 474 digits, 242 terms, 128 units error, with last 3 digits in error, last digits are 6864326 should be 6864454.  
e with 475 digits, 242 terms, 122 units error, with last 3 digits in error, last digits are 8644427 should be 8644549.  
e with 476 digits, 243 terms, 113 units error, with last 3 digits in error, last digits are 6445377 should be 6445490.  
e with 477 digits, 243 terms, 120 units error, with last 3 digits in error, last digits are 4454785 should be 4454905.  
e with 478 digits, 243 terms, 120 units error, with last 4 digits in error, last digits are 4548939 should be 4549059.  
e with 479 digits, 244 terms, 119 units error, with last 3 digits in error, last digits are 5490479 should be 5490598.  
e with 480 digits, 244 terms, 126 units error, with last 3 digits in error, last digits are 4905861 should be 4905987.  
e with 481 digits, 245 terms, 118 units error, with last 3 digits in error, last digits are 9059761 should be 9059879.  
e with 482 digits, 245 terms, 121 units error, with last 3 digits in error, last digits are 598672 should be 598793.  
e with 483 digits, 246 terms, 114 units error, with last 3 digits in error, last digits are 5987817 should be 5987931.  
e with 484 digits, 246 terms, 122 units error, with last 3 digits in error, last digits are 9879194 should be 9879316.  
e with 485 digits, 246 terms, 122 units error, with last 3 digits in error, last digits are 8793041 should be 8793163.  
e with 486 digits, 247 terms, 121 units error, with last 3 digits in error, last digits are 7931515 should be 7931636.  
e with 487 digits, 247 terms, 122 units error, with last 3 digits in error, last digits are 9316246 should be 9316368.  
e with 488 digits, 248 terms, 117 units error, with last 3 digits in error, last digits are 3163571 should be 3163688.  
e with 489 digits, 248 terms, 121 units error, with last 3 digits in error, last digits are 1636768 should be 1636889.  
e with 490 digits, 248 terms, 119 units error, with last 3 digits in error, last digits are 6368773 should be 6368892.  
e with 491 digits, 249 terms, 122 units error, with last 3 digits in error, last digits are 3688801 should be 3688923.  
e with 492 digits, 249 terms, 123 units error, with last 3 digits in error, last digits are 6889107 should be 6889230.  
e with 493 digits, 250 terms, 122 units error, with last 3 digits in error, last digits are 8892178 should be 8892300.  
e with 494 digits, 250 terms, 124 units error, with last 4 digits in error, last digits are 8922885 should be 8923009.  
e with 495 digits, 251 terms, 123 units error, with last 5 digits in error, last digits are 9229975 should be 9230098.  
e with 496 digits, 251 terms, 129 units error, with last 3 digits in error, last digits are 2300858 should be 2300987.  
e with 497 digits, 251 terms, 119 units error, with last 3 digits in error, last digits are 3009760 should be 3009879.

e with 498 digits, 252 terms, 124 units error, with last 3 digits in error, last digits are 98669 should be 98793.  
e with 499 digits, 252 terms, 128 units error, with last 3 digits in error, last digits are 987803 should be 987931.  
e with 500 digits, 253 terms, 128 units error, with last 3 digits in error, last digits are 9879184 should be 9879312.  
e with 501 digits, 253 terms, 134 units error, with last 4 digits in error, last digits are 8792993 should be 8793127.  
e with 502 digits, 253 terms, 132 units error, with last 3 digits in error, last digits are 7931145 should be 7931277.  
e with 503 digits, 254 terms, 136 units error, with last 3 digits in error, last digits are 9312637 should be 9312773.  
e with 504 digits, 254 terms, 126 units error, with last 3 digits in error, last digits are 3127610 should be 3127736.  
e with 505 digits, 255 terms, 128 units error, with last 3 digits in error, last digits are 1277233 should be 1277361.  
e with 506 digits, 255 terms, 126 units error, with last 3 digits in error, last digits are 2773491 should be 2773617.  
e with 507 digits, 256 terms, 124 units error, with last 3 digits in error, last digits are 7736054 should be 7736178.  
e with 508 digits, 256 terms, 130 units error, with last 3 digits in error, last digits are 7361652 should be 7361782.  
e with 509 digits, 256 terms, 130 units error, with last 3 digits in error, last digits are 3617691 should be 3617821.  
e with 510 digits, 257 terms, 124 units error, with last 3 digits in error, last digits are 6178091 should be 6178215.  
e with 511 digits, 257 terms, 127 units error, with last 3 digits in error, last digits are 1782027 should be 1782154.  
e with 512 digits, 258 terms, 122 units error, with last 3 digits in error, last digits are 7821420 should be 7821542.  
e with 513 digits, 258 terms, 125 units error, with last 3 digits in error, last digits are 8215299 should be 8215424.  
e with 514 digits, 258 terms, 125 units error, with last 3 digits in error, last digits are 2154124 should be 2154249.  
e with 515 digits, 259 terms, 125 units error, with last 3 digits in error, last digits are 1542374 should be 1542499.  
e with 516 digits, 259 terms, 130 units error, with last 3 digits in error, last digits are 5424869 should be 5424999.  
e with 517 digits, 260 terms, 132 units error, with last 3 digits in error, last digits are 4249860 should be 4249992.  
e with 518 digits, 260 terms, 130 units error, with last 3 digits in error, last digits are 2499792 should be 2499922.  
e with 519 digits, 261 terms, 132 units error, with last 3 digits in error, last digits are 4999097 should be 4999229.  
e with 520 digits, 261 terms, 123 units error, with last 3 digits in error, last digits are 9992172 should be 9992295.  
e with 521 digits, 261 terms, 128 units error, with last 3 digits in error, last digits are 9922829 should be 9922957.  
e with 522 digits, 262 terms, 129 units error, with last 3 digits in error, last digits are 9229447 should be 9229576.  
e with 523 digits, 262 terms, 133 units error, with last 3 digits in error, last digits are 2295630 should be 2295763.  
e with 524 digits, 263 terms, 128 units error, with last 3 digits in error, last digits are 2957507 should be 2957635.  
e with 525 digits, 263 terms, 131 units error, with last 3 digits in error, last digits are 9576220 should be 9576351.  
e with 526 digits, 263 terms, 130 units error, with last 3 digits in error, last digits are 5763384 should be 5763514.  
e with 527 digits, 264 terms, 132 units error, with last 3 digits in error, last digits are 7635016 should be 7635148.  
e with 528 digits, 264 terms, 135 units error, with last 3 digits in error, last digits are 6351347 should be 6351482.  
e with 529 digits, 265 terms, 140 units error, with last 3 digits in error, last digits are 3514682 should be 3514822.  
e with 530 digits, 265 terms, 128 units error, with last 3 digits in error, last digits are 5148092 should be 5148220.  
e with 531 digits, 265 terms, 134 units error, with last 3 digits in error, last digits are 1482074 should be 1482208.  
e with 532 digits, 266 terms, 137 units error, with last 4 digits in error, last digits are 4821945 should be 4822082.  
e with 533 digits, 266 terms, 124 units error, with last 3 digits in error, last digits are 8220702 should be 8220826.  
e with 534 digits, 267 terms, 136 units error, with last 3 digits in error, last digits are 2208133 should be 2208269.  
e with 535 digits, 267 terms, 126 units error, with last 3 digits in error, last digits are 2082572 should be 2082698.  
e with 536 digits, 268 terms, 134 units error, with last 3 digits in error, last digits are 826855 should be 826989.  
e with 537 digits, 268 terms, 137 units error, with last 3 digits in error, last digits are 8269758 should be 8269895.  
e with 538 digits, 268 terms, 127 units error, with last 3 digits in error, last digits are 2698824 should be 2698951.  
e with 539 digits, 269 terms, 134 units error, with last 3 digits in error, last digits are 6989385 should be 6989519.  
e with 540 digits, 269 terms, 135 units error, with last 3 digits in error, last digits are 9895058 should be 9895193.  
e with 541 digits, 270 terms, 131 units error, with last 3 digits in error, last digits are 8951805 should be 8951936.  
e with 542 digits, 270 terms, 132 units error, with last 3 digits in error, last digits are 9519234 should be 9519366.  
e with 543 digits, 270 terms, 132 units error, with last 3 digits in error, last digits are 5193536 should be 5193668.  
e with 544 digits, 271 terms, 131 units error, with last 3 digits in error, last digits are 1936549 should be 1936680.  
e with 545 digits, 271 terms, 140 units error, with last 3 digits in error, last digits are 9366663 should be 9366803.  
e with 546 digits, 272 terms, 137 units error, with last 4 digits in error, last digits are 3667896 should be 3668033.  
e with 547 digits, 272 terms, 121 units error, with last 3 digits in error, last digits are 6680210 should be 6680331.  
e with 548 digits, 272 terms, 142 units error, with last 3 digits in error, last digits are 6803176 should be 6803318.  
e with 549 digits, 273 terms, 137 units error, with last 3 digits in error, last digits are 8033045 should be 8033182.  
e with 550 digits, 273 terms, 137 units error, with last 3 digits in error, last digits are 331688 should be 331825.  
e with 551 digits, 274 terms, 135 units error, with last 3 digits in error, last digits are 3318117 should be 3318252.  
e with 552 digits, 274 terms, 132 units error, with last 3 digits in error, last digits are 3182396 should be 3182528.  
e with 553 digits, 274 terms, 132 units error, with last 3 digits in error, last digits are 1825156 should be 1825288.

e with 554 digits, 275 terms, 141 units error, with last 3 digits in error, last digits are 8252745 should be 8252886.  
e with 555 digits, 275 terms, 143 units error, with last 3 digits in error, last digits are 2528726 should be 2528869.  
e with 556 digits, 276 terms, 140 units error, with last 3 digits in error, last digits are 5288553 should be 5288693.  
e with 557 digits, 276 terms, 137 units error, with last 3 digits in error, last digits are 2886802 should be 2886939.  
e with 558 digits, 277 terms, 144 units error, with last 3 digits in error, last digits are 8869254 should be 8869398.  
e with 559 digits, 277 terms, 140 units error, with last 3 digits in error, last digits are 8693844 should be 8693984.  
e with 560 digits, 277 terms, 136 units error, with last 3 digits in error, last digits are 6939713 should be 6939849.  
e with 561 digits, 278 terms, 140 units error, with last 3 digits in error, last digits are 9398356 should be 9398496.  
e with 562 digits, 278 terms, 137 units error, with last 3 digits in error, last digits are 3984827 should be 3984964.  
e with 563 digits, 279 terms, 145 units error, with last 3 digits in error, last digits are 9849501 should be 9849646.  
e with 564 digits, 279 terms, 142 units error, with last 3 digits in error, last digits are 8496323 should be 8496465.  
e with 565 digits, 279 terms, 150 units error, with last 3 digits in error, last digits are 4964501 should be 4964651.  
e with 566 digits, 280 terms, 136 units error, with last 3 digits in error, last digits are 9646374 should be 9646510.  
e with 567 digits, 280 terms, 130 units error, with last 4 digits in error, last digits are 6464975 should be 6465105.  
e with 568 digits, 281 terms, 142 units error, with last 4 digits in error, last digits are 4650916 should be 4651058.  
e with 569 digits, 281 terms, 134 units error, with last 3 digits in error, last digits are 6510448 should be 6510582.  
e with 570 digits, 281 terms, 130 units error, with last 3 digits in error, last digits are 5105690 should be 5105820.  
e with 571 digits, 282 terms, 134 units error, with last 3 digits in error, last digits are 1058075 should be 1058209.  
e with 572 digits, 282 terms, 139 units error, with last 4 digits in error, last digits are 581954 should be 582093.  
e with 573 digits, 283 terms, 139 units error, with last 3 digits in error, last digits are 5820800 should be 5820939.  
e with 574 digits, 283 terms, 147 units error, with last 3 digits in error, last digits are 8209245 should be 8209392.  
e with 575 digits, 283 terms, 145 units error, with last 3 digits in error, last digits are 2093778 should be 2093923.  
e with 576 digits, 284 terms, 137 units error, with last 3 digits in error, last digits are 939102 should be 939239.  
e with 577 digits, 284 terms, 150 units error, with last 3 digits in error, last digits are 9392248 should be 9392398.  
e with 578 digits, 285 terms, 142 units error, with last 3 digits in error, last digits are 3923840 should be 3923982.  
e with 579 digits, 285 terms, 150 units error, with last 3 digits in error, last digits are 9239679 should be 9239829.  
e with 580 digits, 286 terms, 141 units error, with last 3 digits in error, last digits are 2398153 should be 2398294.  
e with 581 digits, 286 terms, 146 units error, with last 3 digits in error, last digits are 3982802 should be 3982948.  
e with 582 digits, 286 terms, 140 units error, with last 3 digits in error, last digits are 9829348 should be 9829488.  
e with 583 digits, 287 terms, 144 units error, with last 3 digits in error, last digits are 8294743 should be 8294887.  
e with 584 digits, 287 terms, 144 units error, with last 3 digits in error, last digits are 2948735 should be 2948879.  
e with 585 digits, 288 terms, 142 units error, with last 3 digits in error, last digits are 9488651 should be 9488793.  
e with 586 digits, 288 terms, 146 units error, with last 3 digits in error, last digits are 4887787 should be 4887933.  
e with 587 digits, 288 terms, 153 units error, with last 3 digits in error, last digits are 8879179 should be 8879332.  
e with 588 digits, 289 terms, 145 units error, with last 3 digits in error, last digits are 8793175 should be 8793320.  
e with 589 digits, 289 terms, 137 units error, with last 3 digits in error, last digits are 7933066 should be 7933203.  
e with 590 digits, 290 terms, 134 units error, with last 4 digits in error, last digits are 9331902 should be 9332036.  
e with 591 digits, 290 terms, 140 units error, with last 3 digits in error, last digits are 3320222 should be 3320362.  
e with 592 digits, 290 terms, 147 units error, with last 3 digits in error, last digits are 3203478 should be 3203625.  
e with 593 digits, 291 terms, 151 units error, with last 3 digits in error, last digits are 2036099 should be 2036250.  
e with 594 digits, 291 terms, 148 units error, with last 3 digits in error, last digits are 362361 should be 362509.  
e with 595 digits, 292 terms, 148 units error, with last 4 digits in error, last digits are 3624946 should be 3625094.  
e with 596 digits, 292 terms, 146 units error, with last 3 digits in error, last digits are 6250798 should be 6250944.  
e with 597 digits, 292 terms, 141 units error, with last 3 digits in error, last digits are 2509302 should be 2509443.  
e with 598 digits, 293 terms, 144 units error, with last 3 digits in error, last digits are 5094287 should be 5094431.  
e with 599 digits, 293 terms, 145 units error, with last 3 digits in error, last digits are 944166 should be 944311.  
e with 600 digits, 294 terms, 145 units error, with last 4 digits in error, last digits are 9442972 should be 9443117.  
e with 601 digits, 294 terms, 151 units error, with last 3 digits in error, last digits are 4431022 should be 4431173.  
e with 602 digits, 294 terms, 153 units error, with last 3 digits in error, last digits are 4311577 should be 4311730.  
e with 603 digits, 295 terms, 152 units error, with last 3 digits in error, last digits are 3117149 should be 3117301.  
e with 604 digits, 295 terms, 151 units error, with last 4 digits in error, last digits are 1172861 should be 1173012.  
e with 605 digits, 296 terms, 148 units error, with last 5 digits in error, last digits are 1729975 should be 1730123.  
e with 606 digits, 296 terms, 144 units error, with last 3 digits in error, last digits are 7301094 should be 7301238.  
e with 607 digits, 296 terms, 135 units error, with last 3 digits in error, last digits are 3012246 should be 3012381.  
e with 608 digits, 297 terms, 144 units error, with last 3 digits in error, last digits are 123675 should be 123819.  
e with 609 digits, 297 terms, 141 units error, with last 3 digits in error, last digits are 1238056 should be 1238197.

e with 610 digits, 298 terms, 150 units error, with last 3 digits in error, last digits are 2381820 should be 2381970.  
e with 611 digits, 298 terms, 153 units error, with last 3 digits in error, last digits are 3819553 should be 3819706.  
e with 612 digits, 298 terms, 145 units error, with last 4 digits in error, last digits are 8196923 should be 8197068.  
e with 613 digits, 299 terms, 147 units error, with last 3 digits in error, last digits are 1970537 should be 1970684.  
e with 614 digits, 299 terms, 150 units error, with last 3 digits in error, last digits are 9706691 should be 9706841.  
e with 615 digits, 300 terms, 146 units error, with last 3 digits in error, last digits are 7068270 should be 7068416.  
e with 616 digits, 300 terms, 144 units error, with last 3 digits in error, last digits are 684017 should be 684161.  
e with 617 digits, 301 terms, 151 units error, with last 3 digits in error, last digits are 6841463 should be 6841614.  
e with 618 digits, 301 terms, 150 units error, with last 4 digits in error, last digits are 8415990 should be 8416140.  
e with 619 digits, 301 terms, 151 units error, with last 3 digits in error, last digits are 4161252 should be 4161403.  
e with 620 digits, 302 terms, 150 units error, with last 4 digits in error, last digits are 1613889 should be 1614039.  
e with 621 digits, 302 terms, 149 units error, with last 3 digits in error, last digits are 6140248 should be 6140397.  
e with 622 digits, 303 terms, 151 units error, with last 3 digits in error, last digits are 1403819 should be 1403970.  
e with 623 digits, 303 terms, 154 units error, with last 3 digits in error, last digits are 4039547 should be 4039701.  
e with 624 digits, 303 terms, 145 units error, with last 4 digits in error, last digits are 396874 should be 397019.  
e with 625 digits, 304 terms, 148 units error, with last 3 digits in error, last digits are 3970050 should be 3970198.  
e with 626 digits, 304 terms, 147 units error, with last 3 digits in error, last digits are 9701836 should be 9701983.  
e with 627 digits, 305 terms, 143 units error, with last 3 digits in error, last digits are 7019694 should be 7019837.  
e with 628 digits, 305 terms, 154 units error, with last 3 digits in error, last digits are 198222 should be 198376.  
e with 629 digits, 305 terms, 159 units error, with last 3 digits in error, last digits are 1983608 should be 1983767.  
e with 630 digits, 306 terms, 155 units error, with last 3 digits in error, last digits are 9837524 should be 9837679.  
e with 631 digits, 306 terms, 149 units error, with last 3 digits in error, last digits are 8376644 should be 8376793.  
e with 632 digits, 307 terms, 149 units error, with last 3 digits in error, last digits are 3767783 should be 3767932.  
e with 633 digits, 307 terms, 156 units error, with last 3 digits in error, last digits are 7679164 should be 7679320.  
e with 634 digits, 307 terms, 151 units error, with last 3 digits in error, last digits are 6793055 should be 6793206.  
e with 635 digits, 308 terms, 154 units error, with last 4 digits in error, last digits are 7931914 should be 7932068.  
e with 636 digits, 308 terms, 155 units error, with last 3 digits in error, last digits are 9320528 should be 9320683.  
e with 637 digits, 309 terms, 152 units error, with last 3 digits in error, last digits are 3206680 should be 3206832.  
e with 638 digits, 309 terms, 159 units error, with last 3 digits in error, last digits are 2068169 should be 2068328.  
e with 639 digits, 309 terms, 154 units error, with last 3 digits in error, last digits are 683128 should be 683282.  
e with 640 digits, 310 terms, 151 units error, with last 3 digits in error, last digits are 6832672 should be 6832823.  
e with 641 digits, 310 terms, 151 units error, with last 3 digits in error, last digits are 8328086 should be 8328237.  
e with 642 digits, 311 terms, 151 units error, with last 3 digits in error, last digits are 3282225 should be 3282376.  
e with 643 digits, 311 terms, 144 units error, with last 3 digits in error, last digits are 2823620 should be 2823764.  
e with 644 digits, 311 terms, 153 units error, with last 3 digits in error, last digits are 8237493 should be 8237646.  
e with 645 digits, 312 terms, 153 units error, with last 3 digits in error, last digits are 2376311 should be 2376464.  
e with 646 digits, 312 terms, 162 units error, with last 3 digits in error, last digits are 3764486 should be 3764648.  
e with 647 digits, 313 terms, 155 units error, with last 3 digits in error, last digits are 7646325 should be 7646480.  
e with 648 digits, 313 terms, 150 units error, with last 3 digits in error, last digits are 6464654 should be 6464804.  
e with 649 digits, 313 terms, 161 units error, with last 4 digits in error, last digits are 4647881 should be 4648042.  
e with 650 digits, 314 terms, 155 units error, with last 3 digits in error, last digits are 6480274 should be 6480429.  
e with 651 digits, 314 terms, 153 units error, with last 3 digits in error, last digits are 4804142 should be 4804295.  
e with 652 digits, 315 terms, 161 units error, with last 3 digits in error, last digits are 8042792 should be 8042953.  
e with 653 digits, 315 terms, 158 units error, with last 3 digits in error, last digits are 429373 should be 429531.  
e with 654 digits, 315 terms, 166 units error, with last 3 digits in error, last digits are 4295145 should be 4295311.  
e with 655 digits, 316 terms, 153 units error, with last 4 digits in error, last digits are 2952965 should be 2953118.  
e with 656 digits, 316 terms, 161 units error, with last 3 digits in error, last digits are 9531019 should be 9531180.  
e with 657 digits, 317 terms, 162 units error, with last 3 digits in error, last digits are 5311640 should be 5311802.  
e with 658 digits, 317 terms, 155 units error, with last 4 digits in error, last digits are 3117868 should be 3118023.  
e with 659 digits, 317 terms, 163 units error, with last 3 digits in error, last digits are 1180069 should be 1180232.  
e with 660 digits, 318 terms, 155 units error, with last 3 digits in error, last digits are 1802173 should be 1802328.  
e with 661 digits, 318 terms, 157 units error, with last 3 digits in error, last digits are 8023130 should be 8023287.  
e with 662 digits, 319 terms, 165 units error, with last 3 digits in error, last digits are 232713 should be 232878.  
e with 663 digits, 319 terms, 161 units error, with last 3 digits in error, last digits are 2328621 should be 2328782.  
e with 664 digits, 319 terms, 169 units error, with last 3 digits in error, last digits are 3287656 should be 3287825.  
e with 665 digits, 320 terms, 158 units error, with last 3 digits in error, last digits are 2878092 should be 2878250.

e with 666 digits, 320 terms, 168 units error, with last 3 digits in error, last digits are 8782341 should be 8782509.  
e with 667 digits, 321 terms, 155 units error, with last 4 digits in error, last digits are 7824943 should be 7825098.  
e with 668 digits, 321 terms, 156 units error, with last 3 digits in error, last digits are 8250825 should be 8250981.  
e with 669 digits, 321 terms, 164 units error, with last 3 digits in error, last digits are 2509655 should be 2509819.  
e with 670 digits, 322 terms, 154 units error, with last 3 digits in error, last digits are 5098040 should be 5098194.  
e with 671 digits, 322 terms, 159 units error, with last 3 digits in error, last digits are 981786 should be 981945.  
e with 672 digits, 323 terms, 147 units error, with last 3 digits in error, last digits are 9819308 should be 9819455.  
e with 673 digits, 323 terms, 169 units error, with last 3 digits in error, last digits are 8194389 should be 8194558.  
e with 674 digits, 323 terms, 156 units error, with last 3 digits in error, last digits are 1945425 should be 1945581.  
e with 675 digits, 324 terms, 167 units error, with last 3 digits in error, last digits are 9455648 should be 9455815.  
e with 676 digits, 324 terms, 167 units error, with last 4 digits in error, last digits are 4557986 should be 4558153.  
e with 677 digits, 325 terms, 165 units error, with last 3 digits in error, last digits are 5581365 should be 5581530.  
e with 678 digits, 325 terms, 169 units error, with last 3 digits in error, last digits are 5815132 should be 5815301.  
e with 679 digits, 325 terms, 156 units error, with last 4 digits in error, last digits are 8152861 should be 8153017.  
e with 680 digits, 326 terms, 169 units error, with last 3 digits in error, last digits are 1530006 should be 1530175.  
e with 681 digits, 326 terms, 164 units error, with last 3 digits in error, last digits are 5301592 should be 5301756.  
e with 682 digits, 327 terms, 167 units error, with last 3 digits in error, last digits are 3017400 should be 3017567.  
e with 683 digits, 327 terms, 154 units error, with last 3 digits in error, last digits are 175517 should be 175671.  
e with 684 digits, 327 terms, 157 units error, with last 3 digits in error, last digits are 1756560 should be 1756717.  
e with 685 digits, 328 terms, 163 units error, with last 3 digits in error, last digits are 7567010 should be 7567173.  
e with 686 digits, 328 terms, 168 units error, with last 3 digits in error, last digits are 5671568 should be 5671736.  
e with 687 digits, 329 terms, 169 units error, with last 3 digits in error, last digits are 6717192 should be 6717361.  
e with 688 digits, 329 terms, 169 units error, with last 3 digits in error, last digits are 7173444 should be 7173613.  
e with 689 digits, 329 terms, 160 units error, with last 4 digits in error, last digits are 1735973 should be 1736133.  
e with 690 digits, 330 terms, 169 units error, with last 3 digits in error, last digits are 7361163 should be 7361332.  
e with 691 digits, 330 terms, 159 units error, with last 3 digits in error, last digits are 3613161 should be 3613320.  
e with 692 digits, 331 terms, 167 units error, with last 3 digits in error, last digits are 6133039 should be 6133206.  
e with 693 digits, 331 terms, 162 units error, with last 4 digits in error, last digits are 1331907 should be 1332069.  
e with 694 digits, 331 terms, 164 units error, with last 3 digits in error, last digits are 3320534 should be 3320698.  
e with 695 digits, 332 terms, 157 units error, with last 3 digits in error, last digits are 3206824 should be 3206981.  
e with 696 digits, 332 terms, 163 units error, with last 3 digits in error, last digits are 2069648 should be 2069811.  
e with 697 digits, 332 terms, 164 units error, with last 4 digits in error, last digits are 697948 should be 698112.  
e with 698 digits, 333 terms, 169 units error, with last 4 digits in error, last digits are 6980956 should be 6981125.  
e with 699 digits, 333 terms, 163 units error, with last 3 digits in error, last digits are 9811087 should be 9811250.  
e with 700 digits, 334 terms, 172 units error, with last 3 digits in error, last digits are 8112337 should be 8112509.  
e with 701 digits, 334 terms, 176 units error, with last 4 digits in error, last digits are 1124923 should be 1125099.  
e with 702 digits, 334 terms, 165 units error, with last 3 digits in error, last digits are 1250831 should be 1250996.  
e with 703 digits, 335 terms, 176 units error, with last 3 digits in error, last digits are 2509785 should be 2509961.  
e with 704 digits, 335 terms, 173 units error, with last 3 digits in error, last digits are 5099445 should be 5099618.  
e with 705 digits, 336 terms, 170 units error, with last 3 digits in error, last digits are 996011 should be 996181.  
e with 706 digits, 336 terms, 168 units error, with last 3 digits in error, last digits are 9961650 should be 9961818.  
e with 707 digits, 336 terms, 168 units error, with last 3 digits in error, last digits are 9618020 should be 9618188.  
e with 708 digits, 337 terms, 164 units error, with last 3 digits in error, last digits are 6181717 should be 6181881.  
e with 709 digits, 337 terms, 162 units error, with last 3 digits in error, last digits are 1818653 should be 1818815.  
e with 710 digits, 338 terms, 174 units error, with last 4 digits in error, last digits are 8187985 should be 8188159.  
e with 711 digits, 338 terms, 171 units error, with last 3 digits in error, last digits are 1881422 should be 1881593.  
e with 712 digits, 338 terms, 172 units error, with last 3 digits in error, last digits are 8815758 should be 8815930.  
e with 713 digits, 339 terms, 168 units error, with last 3 digits in error, last digits are 8159136 should be 8159304.  
e with 714 digits, 339 terms, 170 units error, with last 4 digits in error, last digits are 1592871 should be 1593041.  
e with 715 digits, 340 terms, 170 units error, with last 3 digits in error, last digits are 5930246 should be 5930416.  
e with 716 digits, 340 terms, 169 units error, with last 3 digits in error, last digits are 9304000 should be 9304169.  
e with 717 digits, 340 terms, 169 units error, with last 3 digits in error, last digits are 3041521 should be 3041690.  
e with 718 digits, 341 terms, 175 units error, with last 3 digits in error, last digits are 416728 should be 416903.  
e with 719 digits, 341 terms, 169 units error, with last 4 digits in error, last digits are 4168866 should be 4169035.  
e with 720 digits, 342 terms, 174 units error, with last 3 digits in error, last digits are 1690177 should be 1690351.  
e with 721 digits, 342 terms, 182 units error, with last 3 digits in error, last digits are 6903333 should be 6903515.

e with 722 digits, 342 terms, 169 units error, with last 4 digits in error, last digits are 9034990 should be 9035159.  
e with 723 digits, 343 terms, 167 units error, with last 3 digits in error, last digits are 351431 should be 351598.  
e with 724 digits, 343 terms, 157 units error, with last 3 digits in error, last digits are 3515831 should be 3515988.  
e with 725 digits, 344 terms, 166 units error, with last 3 digits in error, last digits are 5159722 should be 5159888.  
e with 726 digits, 344 terms, 167 units error, with last 3 digits in error, last digits are 1598721 should be 1598888.  
e with 727 digits, 344 terms, 164 units error, with last 3 digits in error, last digits are 5988721 should be 5988885.  
e with 728 digits, 345 terms, 169 units error, with last 3 digits in error, last digits are 9888682 should be 9888851.  
e with 729 digits, 345 terms, 174 units error, with last 3 digits in error, last digits are 8888345 should be 8888519.  
e with 730 digits, 346 terms, 171 units error, with last 3 digits in error, last digits are 8885022 should be 8885193.  
e with 731 digits, 346 terms, 171 units error, with last 3 digits in error, last digits are 8851763 should be 8851934.  
e with 732 digits, 346 terms, 169 units error, with last 3 digits in error, last digits are 8519176 should be 8519345.  
e with 733 digits, 347 terms, 168 units error, with last 3 digits in error, last digits are 5193290 should be 5193458.  
e with 734 digits, 347 terms, 172 units error, with last 3 digits in error, last digits are 1934408 should be 1934580.  
e with 735 digits, 347 terms, 173 units error, with last 3 digits in error, last digits are 9345634 should be 9345807.  
e with 736 digits, 348 terms, 176 units error, with last 4 digits in error, last digits are 3457896 should be 3458072.  
e with 737 digits, 348 terms, 171 units error, with last 3 digits in error, last digits are 4580556 should be 4580727.  
e with 738 digits, 349 terms, 176 units error, with last 3 digits in error, last digits are 5807097 should be 5807273.  
e with 739 digits, 349 terms, 173 units error, with last 3 digits in error, last digits are 8072565 should be 8072738.  
e with 740 digits, 349 terms, 175 units error, with last 3 digits in error, last digits are 727211 should be 727386.  
e with 741 digits, 350 terms, 178 units error, with last 3 digits in error, last digits are 7273688 should be 7273866.  
e with 742 digits, 350 terms, 171 units error, with last 3 digits in error, last digits are 2738496 should be 2738667.  
e with 743 digits, 351 terms, 174 units error, with last 3 digits in error, last digits are 7386499 should be 7386673.  
e with 744 digits, 351 terms, 170 units error, with last 3 digits in error, last digits are 3866568 should be 3866738.  
e with 745 digits, 351 terms, 173 units error, with last 3 digits in error, last digits are 8667212 should be 8667385.  
e with 746 digits, 352 terms, 172 units error, with last 3 digits in error, last digits are 6673686 should be 6673858.  
e with 747 digits, 352 terms, 176 units error, with last 3 digits in error, last digits are 6738413 should be 6738589.  
e with 748 digits, 353 terms, 176 units error, with last 3 digits in error, last digits are 7385718 should be 7385894.  
e with 749 digits, 353 terms, 175 units error, with last 3 digits in error, last digits are 3858767 should be 3858942.  
e with 750 digits, 353 terms, 173 units error, with last 3 digits in error, last digits are 8589249 should be 8589422.  
e with 751 digits, 354 terms, 170 units error, with last 3 digits in error, last digits are 5894058 should be 5894228.  
e with 752 digits, 354 terms, 183 units error, with last 3 digits in error, last digits are 8942104 should be 8942287.  
e with 753 digits, 355 terms, 170 units error, with last 3 digits in error, last digits are 9422709 should be 9422879.  
e with 754 digits, 355 terms, 182 units error, with last 3 digits in error, last digits are 4228610 should be 4228792.  
e with 755 digits, 355 terms, 177 units error, with last 3 digits in error, last digits are 2287745 should be 2287922.  
e with 756 digits, 356 terms, 171 units error, with last 3 digits in error, last digits are 2879057 should be 2879228.  
e with 757 digits, 356 terms, 174 units error, with last 3 digits in error, last digits are 8792110 should be 8792284.  
e with 758 digits, 357 terms, 178 units error, with last 3 digits in error, last digits are 7922671 should be 7922849.  
e with 759 digits, 357 terms, 173 units error, with last 3 digits in error, last digits are 9228326 should be 9228499.  
e with 760 digits, 357 terms, 169 units error, with last 3 digits in error, last digits are 2284829 should be 2284998.  
e with 761 digits, 358 terms, 180 units error, with last 3 digits in error, last digits are 2849809 should be 2849989.  
e with 762 digits, 358 terms, 176 units error, with last 3 digits in error, last digits are 8499716 should be 8499892.  
e with 763 digits, 358 terms, 174 units error, with last 3 digits in error, last digits are 4998746 should be 4998920.  
e with 764 digits, 359 terms, 169 units error, with last 3 digits in error, last digits are 9989039 should be 9989208.  
e with 765 digits, 359 terms, 178 units error, with last 4 digits in error, last digits are 9891908 should be 9892086.  
e with 766 digits, 360 terms, 181 units error, with last 3 digits in error, last digits are 8920687 should be 8920868.  
e with 767 digits, 360 terms, 180 units error, with last 3 digits in error, last digits are 9208500 should be 9208680.  
e with 768 digits, 360 terms, 181 units error, with last 3 digits in error, last digits are 2086624 should be 2086805.  
e with 769 digits, 361 terms, 190 units error, with last 4 digits in error, last digits are 867868 should be 868058.  
e with 770 digits, 361 terms, 191 units error, with last 3 digits in error, last digits are 8680391 should be 8680582.  
e with 771 digits, 362 terms, 179 units error, with last 3 digits in error, last digits are 6805646 should be 6805825.  
e with 772 digits, 362 terms, 183 units error, with last 3 digits in error, last digits are 8058074 should be 8058257.  
e with 773 digits, 362 terms, 189 units error, with last 3 digits in error, last digits are 582385 should be 582574.  
e with 774 digits, 363 terms, 176 units error, with last 3 digits in error, last digits are 5825573 should be 5825749.  
e with 775 digits, 363 terms, 179 units error, with last 3 digits in error, last digits are 8257313 should be 8257492.  
e with 776 digits, 364 terms, 178 units error, with last 3 digits in error, last digits are 2574749 should be 2574927.  
e with 777 digits, 364 terms, 180 units error, with last 3 digits in error, last digits are 5749099 should be 5749279.



e with 778 digits, 364 terms, 178 units error, with last 3 digits in error, last digits are 7492618 should be 7492796.  
e with 779 digits, 365 terms, 185 units error, with last 3 digits in error, last digits are 4927776 should be 4927961.  
e with 780 digits, 365 terms, 183 units error, with last 3 digits in error, last digits are 9279427 should be 9279610.  
e with 781 digits, 366 terms, 177 units error, with last 4 digits in error, last digits are 2795927 should be 2796104.  
e with 782 digits, 366 terms, 175 units error, with last 4 digits in error, last digits are 7960873 should be 7961048.  
e with 783 digits, 366 terms, 184 units error, with last 3 digits in error, last digits are 9610300 should be 9610484.  
e with 784 digits, 367 terms, 181 units error, with last 3 digits in error, last digits are 6104660 should be 6104841.  
e with 785 digits, 367 terms, 182 units error, with last 3 digits in error, last digits are 1048237 should be 1048419.  
e with 786 digits, 367 terms, 177 units error, with last 3 digits in error, last digits are 484021 should be 484198.  
e with 787 digits, 368 terms, 181 units error, with last 3 digits in error, last digits are 4841803 should be 4841984.  
e with 788 digits, 368 terms, 187 units error, with last 3 digits in error, last digits are 8419657 should be 8419844.  
e with 789 digits, 369 terms, 181 units error, with last 3 digits in error, last digits are 4198263 should be 4198444.  
e with 790 digits, 369 terms, 195 units error, with last 3 digits in error, last digits are 1984248 should be 1984443.  
e with 791 digits, 369 terms, 180 units error, with last 3 digits in error, last digits are 9844256 should be 9844436.  
e with 792 digits, 370 terms, 190 units error, with last 3 digits in error, last digits are 8444173 should be 8444363.  
e with 793 digits, 370 terms, 177 units error, with last 3 digits in error, last digits are 4443457 should be 4443634.  
e with 794 digits, 371 terms, 180 units error, with last 3 digits in error, last digits are 4436166 should be 4436346.  
e with 795 digits, 371 terms, 186 units error, with last 3 digits in error, last digits are 4363277 should be 4363463.  
e with 796 digits, 371 terms, 191 units error, with last 3 digits in error, last digits are 3634441 should be 3634632.  
e with 797 digits, 372 terms, 187 units error, with last 3 digits in error, last digits are 6346137 should be 6346324.  
e with 798 digits, 372 terms, 185 units error, with last 3 digits in error, last digits are 3463059 should be 3463244.  
e with 799 digits, 373 terms, 182 units error, with last 3 digits in error, last digits are 4632267 should be 4632449.  
e with 800 digits, 373 terms, 192 units error, with last 3 digits in error, last digits are 6324304 should be 6324496.  
e with 801 digits, 373 terms, 179 units error, with last 3 digits in error, last digits are 3244789 should be 3244968.  
e with 802 digits, 374 terms, 180 units error, with last 3 digits in error, last digits are 2449504 should be 2449684.  
e with 803 digits, 374 terms, 184 units error, with last 3 digits in error, last digits are 4496664 should be 4496848.  
e with 804 digits, 374 terms, 192 units error, with last 3 digits in error, last digits are 4968295 should be 4968487.  
e with 805 digits, 375 terms, 192 units error, with last 3 digits in error, last digits are 9684683 should be 9684875.  
e with 806 digits, 375 terms, 185 units error, with last 3 digits in error, last digits are 6848571 should be 6848756.  
e with 807 digits, 376 terms, 190 units error, with last 3 digits in error, last digits are 8487370 should be 8487560.  
e with 808 digits, 376 terms, 185 units error, with last 3 digits in error, last digits are 4875417 should be 4875602.  
e with 809 digits, 376 terms, 185 units error, with last 4 digits in error, last digits are 8755838 should be 8756023.  
e with 810 digits, 377 terms, 188 units error, with last 3 digits in error, last digits are 7560045 should be 7560233.  
e with 811 digits, 377 terms, 191 units error, with last 3 digits in error, last digits are 5602145 should be 5602336.  
e with 812 digits, 378 terms, 188 units error, with last 3 digits in error, last digits are 6023174 should be 6023362.  
e with 813 digits, 378 terms, 186 units error, with last 3 digits in error, last digits are 233438 should be 233624.  
e with 814 digits, 378 terms, 186 units error, with last 3 digits in error, last digits are 2336062 should be 2336248.  
e with 815 digits, 379 terms, 181 units error, with last 3 digits in error, last digits are 3362301 should be 3362482.  
e with 816 digits, 379 terms, 181 units error, with last 3 digits in error, last digits are 3624646 should be 3624827.  
e with 817 digits, 380 terms, 185 units error, with last 3 digits in error, last digits are 6248085 should be 6248270.  
e with 818 digits, 380 terms, 183 units error, with last 3 digits in error, last digits are 2482521 should be 2482704.  
e with 819 digits, 380 terms, 186 units error, with last 4 digits in error, last digits are 4826855 should be 4827041.  
e with 820 digits, 381 terms, 188 units error, with last 3 digits in error, last digits are 8270231 should be 8270419.  
e with 821 digits, 381 terms, 191 units error, with last 3 digits in error, last digits are 2704006 should be 2704197.  
e with 822 digits, 381 terms, 195 units error, with last 3 digits in error, last digits are 7041783 should be 7041978.  
e with 823 digits, 382 terms, 183 units error, with last 3 digits in error, last digits are 419603 should be 419786.  
e with 824 digits, 382 terms, 187 units error, with last 3 digits in error, last digits are 4197675 should be 4197862.  
e with 825 digits, 383 terms, 195 units error, with last 3 digits in error, last digits are 1978428 should be 1978623.  
e with 826 digits, 383 terms, 207 units error, with last 3 digits in error, last digits are 9786025 should be 9786232.  
e with 827 digits, 383 terms, 188 units error, with last 3 digits in error, last digits are 7862132 should be 7862320.  
e with 828 digits, 384 terms, 194 units error, with last 3 digits in error, last digits are 8623015 should be 8623209.  
e with 829 digits, 384 terms, 198 units error, with last 4 digits in error, last digits are 6231892 should be 6232090.  
e with 830 digits, 385 terms, 195 units error, with last 3 digits in error, last digits are 2320705 should be 2320900.  
e with 831 digits, 385 terms, 200 units error, with last 4 digits in error, last digits are 3208802 should be 3209002.  
e with 832 digits, 385 terms, 191 units error, with last 5 digits in error, last digits are 2089830 should be 2090021.  
e with 833 digits, 386 terms, 194 units error, with last 3 digits in error, last digits are 900022 should be 900216.

e with 834 digits, 386 terms, 194 units error, with last 4 digits in error, last digits are 9001966 should be 9002160.  
e with 835 digits, 386 terms, 187 units error, with last 3 digits in error, last digits are 21422 should be 21609.  
e with 836 digits, 387 terms, 187 units error, with last 4 digits in error, last digits are 215912 should be 216099.  
e with 837 digits, 387 terms, 183 units error, with last 3 digits in error, last digits are 2160807 should be 2160990.  
e with 838 digits, 388 terms, 196 units error, with last 3 digits in error, last digits are 1609706 should be 1609902.  
e with 839 digits, 388 terms, 182 units error, with last 4 digits in error, last digits are 6098841 should be 6099023.  
e with 840 digits, 388 terms, 186 units error, with last 3 digits in error, last digits are 990049 should be 990235.  
e with 841 digits, 389 terms, 183 units error, with last 3 digits in error, last digits are 9902170 should be 9902353.  
e with 842 digits, 389 terms, 186 units error, with last 3 digits in error, last digits are 9023344 should be 9023530.  
e with 843 digits, 390 terms, 184 units error, with last 3 digits in error, last digits are 235120 should be 235304.  
e with 844 digits, 390 terms, 188 units error, with last 4 digits in error, last digits are 2352855 should be 2353043.  
e with 845 digits, 390 terms, 195 units error, with last 3 digits in error, last digits are 3530241 should be 3530436.  
e with 846 digits, 391 terms, 191 units error, with last 3 digits in error, last digits are 5304178 should be 5304369.  
e with 847 digits, 391 terms, 195 units error, with last 3 digits in error, last digits are 3043504 should be 3043699.  
e with 848 digits, 391 terms, 205 units error, with last 3 digits in error, last digits are 436789 should be 436994.  
e with 849 digits, 392 terms, 200 units error, with last 3 digits in error, last digits are 4369741 should be 4369941.  
e with 850 digits, 392 terms, 195 units error, with last 3 digits in error, last digits are 3699223 should be 3699418.  
e with 851 digits, 393 terms, 197 units error, with last 4 digits in error, last digits are 6993987 should be 6994184.  
e with 852 digits, 393 terms, 205 units error, with last 3 digits in error, last digits are 9941644 should be 9941849.  
e with 853 digits, 393 terms, 194 units error, with last 3 digits in error, last digits are 9418297 should be 9418491.  
e with 854 digits, 394 terms, 193 units error, with last 3 digits in error, last digits are 4184721 should be 4184914.  
e with 855 digits, 394 terms, 194 units error, with last 4 digits in error, last digits are 1848952 should be 1849146.  
e with 856 digits, 395 terms, 197 units error, with last 3 digits in error, last digits are 8491266 should be 8491463.  
e with 857 digits, 395 terms, 201 units error, with last 3 digits in error, last digits are 4914430 should be 4914631.  
e with 858 digits, 395 terms, 197 units error, with last 3 digits in error, last digits are 9146117 should be 9146314.  
e with 859 digits, 396 terms, 205 units error, with last 4 digits in error, last digits are 1462935 should be 1463140.  
e with 860 digits, 396 terms, 208 units error, with last 3 digits in error, last digits are 4631201 should be 4631409.  
e with 861 digits, 396 terms, 202 units error, with last 4 digits in error, last digits are 6313891 should be 6314093.  
e with 862 digits, 397 terms, 198 units error, with last 3 digits in error, last digits are 3140736 should be 3140934.  
e with 863 digits, 397 terms, 194 units error, with last 3 digits in error, last digits are 1409149 should be 1409343.  
e with 864 digits, 398 terms, 197 units error, with last 3 digits in error, last digits are 4093234 should be 4093431.  
e with 865 digits, 398 terms, 203 units error, with last 3 digits in error, last digits are 934114 should be 934317.  
e with 866 digits, 398 terms, 198 units error, with last 4 digits in error, last digits are 9342975 should be 9343173.  
e with 867 digits, 399 terms, 199 units error, with last 3 digits in error, last digits are 3431539 should be 3431738.  
e with 868 digits, 399 terms, 210 units error, with last 3 digits in error, last digits are 4317171 should be 4317381.  
e with 869 digits, 400 terms, 200 units error, with last 3 digits in error, last digits are 3173614 should be 3173814.  
e with 870 digits, 400 terms, 195 units error, with last 4 digits in error, last digits are 1737948 should be 1738143.  
e with 871 digits, 400 terms, 208 units error, with last 3 digits in error, last digits are 7381228 should be 7381436.  
e with 872 digits, 401 terms, 208 units error, with last 3 digits in error, last digits are 3814156 should be 3814364.  
e with 873 digits, 401 terms, 197 units error, with last 3 digits in error, last digits are 8143443 should be 8143640.  
e with 874 digits, 401 terms, 204 units error, with last 3 digits in error, last digits are 1436201 should be 1436405.  
e with 875 digits, 402 terms, 208 units error, with last 4 digits in error, last digits are 4363846 should be 4364054.  
e with 876 digits, 402 terms, 191 units error, with last 3 digits in error, last digits are 3640355 should be 3640546.  
e with 877 digits, 403 terms, 202 units error, with last 3 digits in error, last digits are 6405260 should be 6405462.  
e with 878 digits, 403 terms, 206 units error, with last 3 digits in error, last digits are 4054419 should be 4054625.  
e with 879 digits, 403 terms, 206 units error, with last 3 digits in error, last digits are 546047 should be 546253.  
e with 880 digits, 404 terms, 194 units error, with last 3 digits in error, last digits are 5462337 should be 5462531.  
e with 881 digits, 404 terms, 200 units error, with last 3 digits in error, last digits are 4625115 should be 4625315.  
e with 882 digits, 405 terms, 205 units error, with last 4 digits in error, last digits are 6252947 should be 6253152.  
e with 883 digits, 405 terms, 202 units error, with last 3 digits in error, last digits are 2531318 should be 2531520.  
e with 884 digits, 405 terms, 206 units error, with last 3 digits in error, last digits are 5315003 should be 5315209.  
e with 885 digits, 406 terms, 209 units error, with last 4 digits in error, last digits are 3151887 should be 3152096.  
e with 886 digits, 406 terms, 204 units error, with last 3 digits in error, last digits are 1520757 should be 1520961.  
e with 887 digits, 406 terms, 206 units error, with last 3 digits in error, last digits are 5209412 should be 5209618.  
e with 888 digits, 407 terms, 210 units error, with last 4 digits in error, last digits are 2095973 should be 2096183.  
e with 889 digits, 407 terms, 201 units error, with last 3 digits in error, last digits are 961635 should be 961836.

e with 890 digits, 408 terms, 201 units error, with last 3 digits in error, last digits are 9618168 should be 9618369.  
e with 891 digits, 408 terms, 212 units error, with last 3 digits in error, last digits are 6183478 should be 6183690.  
e with 892 digits, 408 terms, 204 units error, with last 3 digits in error, last digits are 1836704 should be 1836908.  
e with 893 digits, 409 terms, 202 units error, with last 4 digits in error, last digits are 8368886 should be 8369088.  
e with 894 digits, 409 terms, 202 units error, with last 3 digits in error, last digits are 3690686 should be 3690888.  
e with 895 digits, 410 terms, 200 units error, with last 3 digits in error, last digits are 6908687 should be 6908887.  
e with 896 digits, 410 terms, 200 units error, with last 3 digits in error, last digits are 9088670 should be 9088870.  
e with 897 digits, 410 terms, 195 units error, with last 3 digits in error, last digits are 888512 should be 888707.  
e with 898 digits, 411 terms, 202 units error, with last 4 digits in error, last digits are 8886868 should be 8887070.  
e with 899 digits, 411 terms, 193 units error, with last 3 digits in error, last digits are 8870508 should be 8870701.  
e with 900 digits, 411 terms, 198 units error, with last 4 digits in error, last digits are 8706818 should be 8707016.  
e with 901 digits, 412 terms, 201 units error, with last 5 digits in error, last digits are 7069966 should be 7070167.  
e with 902 digits, 412 terms, 199 units error, with last 3 digits in error, last digits are 701477 should be 701676.  
e with 903 digits, 413 terms, 198 units error, with last 3 digits in error, last digits are 7016570 should be 7016768.  
e with 904 digits, 413 terms, 204 units error, with last 3 digits in error, last digits are 167479 should be 167683.  
e with 905 digits, 413 terms, 206 units error, with last 3 digits in error, last digits are 1676633 should be 1676839.  
e with 906 digits, 414 terms, 208 units error, with last 3 digits in error, last digits are 6768188 should be 6768396.  
e with 907 digits, 414 terms, 213 units error, with last 3 digits in error, last digits are 7683751 should be 7683964.  
e with 908 digits, 415 terms, 209 units error, with last 3 digits in error, last digits are 6839433 should be 6839642.  
e with 909 digits, 415 terms, 209 units error, with last 3 digits in error, last digits are 8396215 should be 8396424.  
e with 910 digits, 415 terms, 207 units error, with last 3 digits in error, last digits are 3964036 should be 3964243.  
e with 911 digits, 416 terms, 205 units error, with last 3 digits in error, last digits are 9642232 should be 9642437.  
e with 912 digits, 416 terms, 202 units error, with last 3 digits in error, last digits are 6424176 should be 6424378.  
e with 913 digits, 416 terms, 210 units error, with last 3 digits in error, last digits are 4243571 should be 4243781.  
e with 914 digits, 417 terms, 208 units error, with last 3 digits in error, last digits are 2437606 should be 2437814.  
e with 915 digits, 417 terms, 204 units error, with last 4 digits in error, last digits are 4377936 should be 4378140.  
e with 916 digits, 418 terms, 209 units error, with last 3 digits in error, last digits are 3781196 should be 3781405.  
e with 917 digits, 418 terms, 223 units error, with last 4 digits in error, last digits are 7813836 should be 7814059.  
e with 918 digits, 418 terms, 212 units error, with last 3 digits in error, last digits are 8140380 should be 8140592.  
e with 919 digits, 419 terms, 205 units error, with last 3 digits in error, last digits are 1405722 should be 1405927.  
e with 920 digits, 419 terms, 200 units error, with last 3 digits in error, last digits are 4059071 should be 4059271.  
e with 921 digits, 419 terms, 207 units error, with last 3 digits in error, last digits are 592507 should be 592714.  
e with 922 digits, 420 terms, 215 units error, with last 4 digits in error, last digits are 5926930 should be 5927145.  
e with 923 digits, 420 terms, 228 units error, with last 3 digits in error, last digits are 9271228 should be 9271456.  
e with 924 digits, 421 terms, 207 units error, with last 3 digits in error, last digits are 2714356 should be 2714563.  
e with 925 digits, 421 terms, 210 units error, with last 3 digits in error, last digits are 7145425 should be 7145635.  
e with 926 digits, 421 terms, 207 units error, with last 3 digits in error, last digits are 1456147 should be 1456354.  
e with 927 digits, 422 terms, 216 units error, with last 3 digits in error, last digits are 4563333 should be 4563549.  
e with 928 digits, 422 terms, 219 units error, with last 3 digits in error, last digits are 5635271 should be 5635490.  
e with 929 digits, 423 terms, 213 units error, with last 3 digits in error, last digits are 6354693 should be 6354906.  
e with 930 digits, 423 terms, 205 units error, with last 4 digits in error, last digits are 3548856 should be 3549061.  
e with 931 digits, 423 terms, 209 units error, with last 3 digits in error, last digits are 5490404 should be 5490613.  
e with 932 digits, 424 terms, 202 units error, with last 4 digits in error, last digits are 4905928 should be 4906130.  
e with 933 digits, 424 terms, 213 units error, with last 3 digits in error, last digits are 9061090 should be 9061303.  
e with 934 digits, 424 terms, 213 units error, with last 4 digits in error, last digits are 612818 should be 613031.  
e with 935 digits, 425 terms, 223 units error, with last 3 digits in error, last digits are 6130087 should be 6130310.  
e with 936 digits, 425 terms, 223 units error, with last 4 digits in error, last digits are 1302884 should be 1303107.  
e with 937 digits, 426 terms, 221 units error, with last 4 digits in error, last digits are 3030851 should be 3031072.  
e with 938 digits, 426 terms, 222 units error, with last 3 digits in error, last digits are 310498 should be 310720.  
e with 939 digits, 426 terms, 211 units error, with last 4 digits in error, last digits are 3106997 should be 3107208.  
e with 940 digits, 427 terms, 212 units error, with last 4 digits in error, last digits are 1071873 should be 1072085.  
e with 941 digits, 427 terms, 204 units error, with last 3 digits in error, last digits are 720647 should be 720851.  
e with 942 digits, 427 terms, 215 units error, with last 3 digits in error, last digits are 7208295 should be 7208510.  
e with 943 digits, 428 terms, 216 units error, with last 4 digits in error, last digits are 2084887 should be 2085103.  
e with 944 digits, 428 terms, 207 units error, with last 4 digits in error, last digits are 850831 should be 851038.  
e with 945 digits, 429 terms, 226 units error, with last 3 digits in error, last digits are 8510157 should be 8510383.

e with 946 digits, 429 terms, 222 units error, with last 3 digits in error, last digits are 5103615 should be 5103837.  
e with 947 digits, 429 terms, 207 units error, with last 3 digits in error, last digits are 1038168 should be 1038375.  
e with 948 digits, 430 terms, 216 units error, with last 3 digits in error, last digits are 383534 should be 383750.  
e with 949 digits, 430 terms, 207 units error, with last 3 digits in error, last digits are 3837298 should be 3837505.  
e with 950 digits, 431 terms, 213 units error, with last 4 digits in error, last digits are 8374838 should be 8375051.  
e with 951 digits, 431 terms, 210 units error, with last 3 digits in error, last digits are 3750300 should be 3750510.  
e with 952 digits, 431 terms, 212 units error, with last 4 digits in error, last digits are 7504889 should be 7505101.  
e with 953 digits, 432 terms, 205 units error, with last 4 digits in error, last digits are 5050806 should be 5051011.  
e with 954 digits, 432 terms, 206 units error, with last 5 digits in error, last digits are 509909 should be 510115.  
e with 955 digits, 432 terms, 218 units error, with last 4 digits in error, last digits are 5100939 should be 5101157.  
e with 956 digits, 433 terms, 222 units error, with last 3 digits in error, last digits are 1011352 should be 1011574.  
e with 957 digits, 433 terms, 216 units error, with last 3 digits in error, last digits are 115531 should be 115747.  
e with 958 digits, 434 terms, 208 units error, with last 3 digits in error, last digits are 1157269 should be 1157477.  
e with 959 digits, 434 terms, 212 units error, with last 3 digits in error, last digits are 1574558 should be 1574770.  
e with 960 digits, 434 terms, 222 units error, with last 3 digits in error, last digits are 5747482 should be 5747704.  
e with 961 digits, 435 terms, 214 units error, with last 4 digits in error, last digits are 7476827 should be 7477041.  
e with 962 digits, 435 terms, 215 units error, with last 3 digits in error, last digits are 4770202 should be 4770417.  
e with 963 digits, 435 terms, 208 units error, with last 4 digits in error, last digits are 7703963 should be 7704171.  
e with 964 digits, 436 terms, 217 units error, with last 3 digits in error, last digits are 7041501 should be 7041718.  
e with 965 digits, 436 terms, 223 units error, with last 4 digits in error, last digits are 416966 should be 417189.  
e with 966 digits, 437 terms, 226 units error, with last 3 digits in error, last digits are 4171672 should be 4171898.  
e with 967 digits, 437 terms, 220 units error, with last 3 digits in error, last digits are 1718766 should be 1718986.  
e with 968 digits, 437 terms, 210 units error, with last 3 digits in error, last digits are 7189651 should be 7189861.  
e with 969 digits, 438 terms, 215 units error, with last 3 digits in error, last digits are 1898395 should be 1898610.  
e with 970 digits, 438 terms, 216 units error, with last 4 digits in error, last digits are 8985890 should be 8986106.  
e with 971 digits, 438 terms, 211 units error, with last 4 digits in error, last digits are 9860857 should be 9861068.  
e with 972 digits, 439 terms, 220 units error, with last 3 digits in error, last digits are 8610467 should be 8610687.  
e with 973 digits, 439 terms, 214 units error, with last 3 digits in error, last digits are 6106659 should be 6106873.  
e with 974 digits, 440 terms, 220 units error, with last 3 digits in error, last digits are 1068519 should be 1068739.  
e with 975 digits, 440 terms, 220 units error, with last 3 digits in error, last digits are 687176 should be 687396.  
e with 976 digits, 440 terms, 219 units error, with last 3 digits in error, last digits are 6873750 should be 6873969.  
e with 977 digits, 441 terms, 232 units error, with last 3 digits in error, last digits are 8739464 should be 8739696.  
e with 978 digits, 441 terms, 217 units error, with last 3 digits in error, last digits are 7396748 should be 7396965.  
e with 979 digits, 441 terms, 215 units error, with last 3 digits in error, last digits are 3969440 should be 3969655.  
e with 980 digits, 442 terms, 213 units error, with last 3 digits in error, last digits are 9696339 should be 9696552.  
e with 981 digits, 442 terms, 226 units error, with last 3 digits in error, last digits are 6965295 should be 6965521.  
e with 982 digits, 443 terms, 223 units error, with last 4 digits in error, last digits are 9654989 should be 9655212.  
e with 983 digits, 443 terms, 216 units error, with last 4 digits in error, last digits are 6551910 should be 6552126.  
e with 984 digits, 443 terms, 222 units error, with last 3 digits in error, last digits are 5521045 should be 5521267.  
e with 985 digits, 444 terms, 225 units error, with last 3 digits in error, last digits are 5212446 should be 5212671.  
e with 986 digits, 444 terms, 223 units error, with last 3 digits in error, last digits are 2126492 should be 2126715.  
e with 987 digits, 445 terms, 229 units error, with last 4 digits in error, last digits are 1266925 should be 1267154.  
e with 988 digits, 445 terms, 226 units error, with last 3 digits in error, last digits are 2671320 should be 2671546.  
e with 989 digits, 445 terms, 223 units error, with last 3 digits in error, last digits are 6715245 should be 6715468.  
e with 990 digits, 446 terms, 216 units error, with last 3 digits in error, last digits are 7154472 should be 7154688.  
e with 991 digits, 446 terms, 222 units error, with last 3 digits in error, last digits are 1546667 should be 1546889.  
e with 992 digits, 446 terms, 224 units error, with last 3 digits in error, last digits are 5468671 should be 5468895.  
e with 993 digits, 447 terms, 221 units error, with last 3 digits in error, last digits are 4688736 should be 4688957.  
e with 994 digits, 447 terms, 224 units error, with last 3 digits in error, last digits are 6889346 should be 6889570.  
e with 995 digits, 448 terms, 218 units error, with last 3 digits in error, last digits are 8895485 should be 8895703.  
e with 996 digits, 448 terms, 221 units error, with last 4 digits in error, last digits are 8956814 should be 8957035.  
e with 997 digits, 448 terms, 223 units error, with last 3 digits in error, last digits are 9570127 should be 9570350.  
e with 998 digits, 449 terms, 222 units error, with last 3 digits in error, last digits are 5703281 should be 5703503.  
e with 999 digits, 449 terms, 227 units error, with last 4 digits in error, last digits are 7034808 should be 7035035.  
e with 1000 digits, 449 terms, 238 units error, with last 3 digits in error, last digits are 350116 should be 350354.  
e with 1001 digits, 450 terms, 225 units error, with last 3 digits in error, last digits are 3503315 should be 3503540.

e with 1002 digits, 450 terms, 228 units error, with last 3 digits in error, last digits are 5035174 should be 5035402.  
e with 1003 digits, 451 terms, 223 units error, with last 4 digits in error, last digits are 353798 should be 354021.  
e with 1004 digits, 451 terms, 213 units error, with last 5 digits in error, last digits are 3539999 should be 3540212.  
e with 1005 digits, 451 terms, 225 units error, with last 4 digits in error, last digits are 5401898 should be 5402123.  
e with 1006 digits, 452 terms, 231 units error, with last 3 digits in error, last digits are 4021003 should be 4021234.  
e with 1007 digits, 452 terms, 231 units error, with last 3 digits in error, last digits are 212109 should be 212340.  
e with 1008 digits, 452 terms, 224 units error, with last 3 digits in error, last digits are 2123183 should be 2123407.  
e with 1009 digits, 453 terms, 226 units error, with last 4 digits in error, last digits are 1233852 should be 1234078.  
e with 1010 digits, 453 terms, 218 units error, with last 3 digits in error, last digits are 2340566 should be 2340784.  
e with 1011 digits, 454 terms, 230 units error, with last 3 digits in error, last digits are 3407619 should be 3407849.  
e with 1012 digits, 454 terms, 220 units error, with last 3 digits in error, last digits are 4078278 should be 4078498.  
e with 1013 digits, 454 terms, 229 units error, with last 3 digits in error, last digits are 784752 should be 784981.  
e with 1014 digits, 455 terms, 229 units error, with last 3 digits in error, last digits are 7849590 should be 7849819.  
e with 1015 digits, 455 terms, 226 units error, with last 4 digits in error, last digits are 8497967 should be 8498193.  
e with 1016 digits, 455 terms, 242 units error, with last 3 digits in error, last digits are 4981691 should be 4981933.  
e with 1017 digits, 456 terms, 229 units error, with last 3 digits in error, last digits are 9819105 should be 9819334.  
e with 1018 digits, 456 terms, 229 units error, with last 3 digits in error, last digits are 8193114 should be 8193343.  
e with 1019 digits, 457 terms, 225 units error, with last 3 digits in error, last digits are 1933207 should be 1933432.  
e with 1020 digits, 457 terms, 231 units error, with last 3 digits in error, last digits are 9334090 should be 9334321.  
e with 1021 digits, 457 terms, 227 units error, with last 4 digits in error, last digits are 3342983 should be 3343210.  
e with 1022 digits, 458 terms, 237 units error, with last 4 digits in error, last digits are 3431869 should be 3432106.  
e with 1023 digits, 458 terms, 226 units error, with last 4 digits in error, last digits are 4320842 should be 4321068.  
e with 1024 digits, 458 terms, 231 units error, with last 3 digits in error, last digits are 3210450 should be 3210681.  
e with 1025 digits, 459 terms, 221 units error, with last 3 digits in error, last digits are 2106596 should be 2106817.  
e with 1026 digits, 459 terms, 233 units error, with last 4 digits in error, last digits are 1067937 should be 1068170.  
e with 1027 digits, 460 terms, 229 units error, with last 3 digits in error, last digits are 681472 should be 681701.  
e with 1028 digits, 460 terms, 231 units error, with last 4 digits in error, last digits are 6816781 should be 6817012.  
e with 1029 digits, 460 terms, 215 units error, with last 5 digits in error, last digits are 8169906 should be 8170121.  
e with 1030 digits, 461 terms, 224 units error, with last 4 digits in error, last digits are 1700986 should be 1701210.  
e with 1031 digits, 461 terms, 232 units error, with last 4 digits in error, last digits are 7011868 should be 7012100.  
e with 1032 digits, 461 terms, 231 units error, with last 4 digits in error, last digits are 120774 should be 121005.  
e with 1033 digits, 462 terms, 234 units error, with last 5 digits in error, last digits are 1209822 should be 1210056.  
e with 1034 digits, 462 terms, 223 units error, with last 3 digits in error, last digits are 2100339 should be 2100562.  
e with 1035 digits, 463 terms, 225 units error, with last 3 digits in error, last digits are 1005402 should be 1005627.  
e with 1036 digits, 463 terms, 236 units error, with last 3 digits in error, last digits are 56042 should be 56278.  
e with 1037 digits, 463 terms, 240 units error, with last 3 digits in error, last digits are 562548 should be 562788.  
e with 1038 digits, 464 terms, 232 units error, with last 3 digits in error, last digits are 5627648 should be 5627880.  
e with 1039 digits, 464 terms, 227 units error, with last 3 digits in error, last digits are 6278575 should be 6278802.  
e with 1040 digits, 464 terms, 225 units error, with last 4 digits in error, last digits are 2787798 should be 2788023.  
e with 1041 digits, 465 terms, 229 units error, with last 3 digits in error, last digits are 7880006 should be 7880235.  
e with 1042 digits, 465 terms, 233 units error, with last 3 digits in error, last digits are 8802118 should be 8802351.  
e with 1043 digits, 466 terms, 224 units error, with last 3 digits in error, last digits are 8023295 should be 8023519.  
e with 1044 digits, 466 terms, 234 units error, with last 4 digits in error, last digits are 234959 should be 235193.  
e with 1045 digits, 466 terms, 237 units error, with last 3 digits in error, last digits are 2351693 should be 2351930.  
e with 1046 digits, 467 terms, 240 units error, with last 3 digits in error, last digits are 3519063 should be 3519303.  
e with 1047 digits, 467 terms, 233 units error, with last 4 digits in error, last digits are 5192800 should be 5193033.  
e with 1048 digits, 467 terms, 231 units error, with last 3 digits in error, last digits are 1930101 should be 1930332.  
e with 1049 digits, 468 terms, 246 units error, with last 3 digits in error, last digits are 9303076 should be 9303322.  
e with 1050 digits, 468 terms, 240 units error, with last 4 digits in error, last digits are 3032984 should be 3033224.  
e with 1051 digits, 469 terms, 227 units error, with last 3 digits in error, last digits are 332020 should be 332247.  
e with 1052 digits, 469 terms, 223 units error, with last 3 digits in error, last digits are 3322251 should be 3322474.  
e with 1053 digits, 469 terms, 235 units error, with last 3 digits in error, last digits are 3224510 should be 3224745.  
e with 1054 digits, 470 terms, 233 units error, with last 3 digits in error, last digits are 2247217 should be 2247450.  
e with 1055 digits, 470 terms, 227 units error, with last 3 digits in error, last digits are 2474274 should be 2474501.  
e with 1056 digits, 470 terms, 218 units error, with last 4 digits in error, last digits are 4744797 should be 4745015.  
e with 1057 digits, 471 terms, 229 units error, with last 5 digits in error, last digits are 7449929 should be 7450158.

e with 1058 digits, 471 terms, 234 units error, with last 3 digits in error, last digits are 4501351 should be 4501585.  
e with 1059 digits, 472 terms, 240 units error, with last 3 digits in error, last digits are 5015613 should be 5015853.  
e with 1060 digits, 472 terms, 233 units error, with last 3 digits in error, last digits are 158306 should be 158539.  
e with 1061 digits, 472 terms, 238 units error, with last 3 digits in error, last digits are 1585152 should be 1585390.  
e with 1062 digits, 473 terms, 240 units error, with last 3 digits in error, last digits are 5853664 should be 5853904.  
e with 1063 digits, 473 terms, 233 units error, with last 4 digits in error, last digits are 8538814 should be 8539047.  
e with 1064 digits, 473 terms, 247 units error, with last 3 digits in error, last digits are 5390226 should be 5390473.  
e with 1065 digits, 474 terms, 242 units error, with last 3 digits in error, last digits are 3904488 should be 3904730.  
e with 1066 digits, 474 terms, 243 units error, with last 3 digits in error, last digits are 9047061 should be 9047304.  
e with 1067 digits, 475 terms, 239 units error, with last 4 digits in error, last digits are 472802 should be 473041.  
e with 1068 digits, 475 terms, 230 units error, with last 3 digits in error, last digits are 4730189 should be 4730419.  
e with 1069 digits, 475 terms, 234 units error, with last 4 digits in error, last digits are 7303965 should be 7304199.  
e with 1070 digits, 476 terms, 243 units error, with last 3 digits in error, last digits are 3041752 should be 3041995.  
e with 1071 digits, 476 terms, 240 units error, with last 3 digits in error, last digits are 419717 should be 419957.  
e with 1072 digits, 476 terms, 234 units error, with last 3 digits in error, last digits are 4199343 should be 4199577.  
e with 1073 digits, 477 terms, 236 units error, with last 3 digits in error, last digits are 1995541 should be 1995777.  
e with 1074 digits, 477 terms, 229 units error, with last 3 digits in error, last digits are 9957548 should be 9957777.  
e with 1075 digits, 478 terms, 233 units error, with last 3 digits in error, last digits are 9577537 should be 9577770.  
e with 1076 digits, 478 terms, 240 units error, with last 3 digits in error, last digits are 5777469 should be 5777709.  
e with 1077 digits, 478 terms, 244 units error, with last 4 digits in error, last digits are 7776849 should be 7777093.  
e with 1078 digits, 479 terms, 233 units error, with last 3 digits in error, last digits are 7770702 should be 7770935.  
e with 1079 digits, 479 terms, 247 units error, with last 3 digits in error, last digits are 7709103 should be 7709350.  
e with 1080 digits, 479 terms, 219 units error, with last 3 digits in error, last digits are 7093284 should be 7093503.  
e with 1081 digits, 480 terms, 246 units error, with last 4 digits in error, last digits are 934790 should be 935036.  
e with 1082 digits, 480 terms, 245 units error, with last 3 digits in error, last digits are 9350121 should be 9350366.  
e with 1083 digits, 481 terms, 234 units error, with last 3 digits in error, last digits are 3503426 should be 3503660.  
e with 1084 digits, 481 terms, 234 units error, with last 3 digits in error, last digits are 5036370 should be 5036604.  
e with 1085 digits, 481 terms, 227 units error, with last 4 digits in error, last digits are 365814 should be 366041.  
e with 1086 digits, 482 terms, 250 units error, with last 3 digits in error, last digits are 3660166 should be 3660416.  
e with 1087 digits, 482 terms, 238 units error, with last 4 digits in error, last digits are 6603931 should be 6604169.  
e with 1088 digits, 482 terms, 239 units error, with last 3 digits in error, last digits are 6041460 should be 6041699.  
e with 1089 digits, 483 terms, 243 units error, with last 3 digits in error, last digits are 416754 should be 416997.  
e with 1090 digits, 483 terms, 241 units error, with last 3 digits in error, last digits are 4169732 should be 4169973.  
e with 1091 digits, 483 terms, 237 units error, with last 3 digits in error, last digits are 1699495 should be 1699732.  
e with 1092 digits, 484 terms, 244 units error, with last 3 digits in error, last digits are 6997085 should be 6997329.  
e with 1093 digits, 484 terms, 238 units error, with last 3 digits in error, last digits are 9973059 should be 9973297.  
e with 1094 digits, 485 terms, 239 units error, with last 3 digits in error, last digits are 9732733 should be 9732972.  
e with 1095 digits, 485 terms, 238 units error, with last 3 digits in error, last digits are 7329487 should be 7329725.  
e with 1096 digits, 485 terms, 242 units error, with last 3 digits in error, last digits are 3297008 should be 3297250.  
e with 1097 digits, 486 terms, 236 units error, with last 3 digits in error, last digits are 2972272 should be 2972508.  
e with 1098 digits, 486 terms, 237 units error, with last 4 digits in error, last digits are 9724851 should be 9725088.  
e with 1099 digits, 486 terms, 245 units error, with last 3 digits in error, last digits are 7250641 should be 7250886.  
e with 1100 digits, 487 terms, 235 units error, with last 3 digits in error, last digits are 2508633 should be 2508868.  
e with 1101 digits, 487 terms, 249 units error, with last 3 digits in error, last digits are 5088438 should be 5088687.  
e with 1102 digits, 488 terms, 238 units error, with last 3 digits in error, last digits are 886638 should be 886876.  
e with 1103 digits, 488 terms, 244 units error, with last 3 digits in error, last digits are 8868525 should be 8868769.  
e with 1104 digits, 488 terms, 242 units error, with last 3 digits in error, last digits are 8687454 should be 8687696.  
e with 1105 digits, 489 terms, 249 units error, with last 3 digits in error, last digits are 6876717 should be 6876966.  
e with 1106 digits, 489 terms, 237 units error, with last 3 digits in error, last digits are 8769427 should be 8769664.  
e with 1107 digits, 489 terms, 249 units error, with last 3 digits in error, last digits are 7696391 should be 7696640.  
e with 1108 digits, 490 terms, 241 units error, with last 3 digits in error, last digits are 6966162 should be 6966403.  
e with 1109 digits, 490 terms, 253 units error, with last 4 digits in error, last digits are 9663782 should be 9664035.  
e with 1110 digits, 491 terms, 256 units error, with last 3 digits in error, last digits are 6640099 should be 6640355.  
e with 1111 digits, 491 terms, 239 units error, with last 3 digits in error, last digits are 6403316 should be 6403555.  
e with 1112 digits, 491 terms, 245 units error, with last 3 digits in error, last digits are 4035312 should be 4035557.  
e with 1113 digits, 492 terms, 244 units error, with last 3 digits in error, last digits are 355326 should be 355570.

e with 1114 digits, 492 terms, 243 units error, with last 3 digits in error, last digits are 3555464 should be 3555707.  
e with 1115 digits, 492 terms, 240 units error, with last 4 digits in error, last digits are 5556831 should be 5557071.  
e with 1116 digits, 493 terms, 251 units error, with last 3 digits in error, last digits are 5570465 should be 5570716.  
e with 1117 digits, 493 terms, 247 units error, with last 4 digits in error, last digits are 5706915 should be 5707162.  
e with 1118 digits, 494 terms, 242 units error, with last 3 digits in error, last digits are 7071380 should be 7071622.  
e with 1119 digits, 494 terms, 249 units error, with last 4 digits in error, last digits are 715977 should be 716226.  
e with 1120 digits, 494 terms, 247 units error, with last 3 digits in error, last digits are 7162021 should be 7162268.  
e with 1121 digits, 495 terms, 246 units error, with last 3 digits in error, last digits are 1622438 should be 1622684.  
e with 1122 digits, 495 terms, 250 units error, with last 3 digits in error, last digits are 6226594 should be 6226844.  
e with 1123 digits, 495 terms, 240 units error, with last 3 digits in error, last digits are 2268207 should be 2268447.  
e with 1124 digits, 496 terms, 233 units error, with last 3 digits in error, last digits are 2684238 should be 2684471.  
e with 1125 digits, 496 terms, 241 units error, with last 3 digits in error, last digits are 6844475 should be 6844716.  
e with 1126 digits, 497 terms, 252 units error, with last 4 digits in error, last digits are 8446910 should be 8447162.  
e with 1127 digits, 497 terms, 260 units error, with last 3 digits in error, last digits are 4471365 should be 4471625.  
e with 1128 digits, 497 terms, 246 units error, with last 3 digits in error, last digits are 4716010 should be 4716256.  
e with 1129 digits, 498 terms, 241 units error, with last 3 digits in error, last digits are 7162319 should be 7162560.  
e with 1130 digits, 498 terms, 249 units error, with last 3 digits in error, last digits are 1625358 should be 1625607.  
e with 1131 digits, 498 terms, 243 units error, with last 4 digits in error, last digits are 6255836 should be 6256079.  
e with 1132 digits, 499 terms, 261 units error, with last 3 digits in error, last digits are 2560537 should be 2560798.  
e with 1133 digits, 499 terms, 256 units error, with last 3 digits in error, last digits are 5607732 should be 5607988.  
e with 1134 digits, 499 terms, 257 units error, with last 3 digits in error, last digits are 6079625 should be 6079882.  
e with 1135 digits, 500 terms, 252 units error, with last 3 digits in error, last digits are 798574 should be 798826.  
e with 1136 digits, 500 terms, 237 units error, with last 3 digits in error, last digits are 7988028 should be 7988265.  
e with 1137 digits, 501 terms, 235 units error, with last 3 digits in error, last digits are 9882416 should be 9882651.  
e with 1138 digits, 501 terms, 249 units error, with last 3 digits in error, last digits are 8826268 should be 8826517.  
e with 1139 digits, 501 terms, 245 units error, with last 4 digits in error, last digits are 8264933 should be 8265178.  
e with 1140 digits, 502 terms, 249 units error, with last 3 digits in error, last digits are 2651538 should be 2651787.  
e with 1141 digits, 502 terms, 246 units error, with last 3 digits in error, last digits are 6517625 should be 6517871.  
e with 1142 digits, 502 terms, 253 units error, with last 3 digits in error, last digits are 5178460 should be 5178713.  
e with 1143 digits, 503 terms, 258 units error, with last 4 digits in error, last digits are 1786876 should be 1787134.  
e with 1144 digits, 503 terms, 248 units error, with last 3 digits in error, last digits are 7871093 should be 7871341.  
e with 1145 digits, 504 terms, 256 units error, with last 3 digits in error, last digits are 8713163 should be 8713419.  
e with 1146 digits, 504 terms, 249 units error, with last 4 digits in error, last digits are 7133946 should be 7134195.  
e with 1147 digits, 504 terms, 246 units error, with last 3 digits in error, last digits are 1341705 should be 1341951.  
e with 1148 digits, 505 terms, 247 units error, with last 3 digits in error, last digits are 3419265 should be 3419512.  
e with 1149 digits, 505 terms, 248 units error, with last 4 digits in error, last digits are 4194876 should be 4195124.  
e with 1150 digits, 505 terms, 252 units error, with last 4 digits in error, last digits are 1950994 should be 1951246.  
e with 1151 digits, 506 terms, 250 units error, with last 3 digits in error, last digits are 9512216 should be 9512466.  
e with 1152 digits, 506 terms, 256 units error, with last 3 digits in error, last digits are 5124409 should be 5124665.  
e with 1153 digits, 506 terms, 249 units error, with last 3 digits in error, last digits are 1246403 should be 1246652.  
e with 1154 digits, 507 terms, 254 units error, with last 3 digits in error, last digits are 2466266 should be 2466520.  
e with 1155 digits, 507 terms, 249 units error, with last 4 digits in error, last digits are 4664952 should be 4665201.  
e with 1156 digits, 508 terms, 256 units error, with last 4 digits in error, last digits are 6651754 should be 6652010.  
e with 1157 digits, 508 terms, 255 units error, with last 5 digits in error, last digits are 6519848 should be 6520103.  
e with 1158 digits, 508 terms, 248 units error, with last 4 digits in error, last digits are 5200782 should be 5201030.  
e with 1159 digits, 509 terms, 248 units error, with last 3 digits in error, last digits are 2010057 should be 2010305.  
e with 1160 digits, 509 terms, 242 units error, with last 4 digits in error, last digits are 102817 should be 103059.  
e with 1161 digits, 509 terms, 256 units error, with last 3 digits in error, last digits are 1030336 should be 1030592.  
e with 1162 digits, 510 terms, 256 units error, with last 3 digits in error, last digits are 305665 should be 305921.  
e with 1163 digits, 510 terms, 250 units error, with last 4 digits in error, last digits are 3058962 should be 3059212.  
e with 1164 digits, 511 terms, 253 units error, with last 4 digits in error, last digits are 591870 should be 592123.  
e with 1165 digits, 511 terms, 246 units error, with last 4 digits in error, last digits are 5920990 should be 5921236.  
e with 1166 digits, 511 terms, 263 units error, with last 3 digits in error, last digits are 9212103 should be 9212366.  
e with 1167 digits, 512 terms, 257 units error, with last 3 digits in error, last digits are 2123410 should be 2123667.  
e with 1168 digits, 512 terms, 259 units error, with last 3 digits in error, last digits are 1236418 should be 1236677.  
e with 1169 digits, 512 terms, 258 units error, with last 3 digits in error, last digits are 2366513 should be 2366771.

e with 1170 digits, 513 terms, 260 units error, with last 3 digits in error, last digits are 3667459 should be 3667719.  
e with 1171 digits, 513 terms, 250 units error, with last 4 digits in error, last digits are 6676944 should be 6677194.  
e with 1172 digits, 514 terms, 234 units error, with last 3 digits in error, last digits are 6771709 should be 6771943.  
e with 1173 digits, 514 terms, 249 units error, with last 3 digits in error, last digits are 7719183 should be 7719432.  
e with 1174 digits, 514 terms, 262 units error, with last 3 digits in error, last digits are 7194063 should be 7194325.  
e with 1175 digits, 515 terms, 259 units error, with last 4 digits in error, last digits are 1942993 should be 1943252.  
e with 1176 digits, 515 terms, 259 units error, with last 3 digits in error, last digits are 9432268 should be 9432527.  
e with 1177 digits, 515 terms, 271 units error, with last 3 digits in error, last digits are 4325007 should be 4325278.  
e with 1178 digits, 516 terms, 257 units error, with last 3 digits in error, last digits are 3252529 should be 3252786.  
e with 1179 digits, 516 terms, 262 units error, with last 3 digits in error, last digits are 2527605 should be 2527867.  
e with 1180 digits, 516 terms, 248 units error, with last 3 digits in error, last digits are 5278427 should be 5278675.  
e with 1181 digits, 517 terms, 261 units error, with last 3 digits in error, last digits are 2786492 should be 2786753.  
e with 1182 digits, 517 terms, 260 units error, with last 3 digits in error, last digits are 7867279 should be 7867539.  
e with 1183 digits, 518 terms, 257 units error, with last 3 digits in error, last digits are 8675141 should be 8675398.  
e with 1184 digits, 518 terms, 259 units error, with last 3 digits in error, last digits are 6753726 should be 6753985.  
e with 1185 digits, 518 terms, 252 units error, with last 3 digits in error, last digits are 7539603 should be 7539855.  
e with 1186 digits, 519 terms, 265 units error, with last 3 digits in error, last digits are 5398293 should be 5398558.  
e with 1187 digits, 519 terms, 258 units error, with last 3 digits in error, last digits are 3985331 should be 3985589.  
e with 1188 digits, 519 terms, 257 units error, with last 3 digits in error, last digits are 9855637 should be 9855894.  
e with 1189 digits, 520 terms, 260 units error, with last 3 digits in error, last digits are 8558684 should be 8558944.  
e with 1190 digits, 520 terms, 265 units error, with last 3 digits in error, last digits are 5589183 should be 5589448.  
e with 1191 digits, 521 terms, 255 units error, with last 3 digits in error, last digits are 5894234 should be 5894489.  
e with 1192 digits, 521 terms, 268 units error, with last 3 digits in error, last digits are 8944628 should be 8944896.  
e with 1193 digits, 521 terms, 242 units error, with last 3 digits in error, last digits are 9448727 should be 9448969.  
e with 1194 digits, 522 terms, 256 units error, with last 3 digits in error, last digits are 4489441 should be 4489697.  
e with 1195 digits, 522 terms, 253 units error, with last 3 digits in error, last digits are 4896717 should be 4896970.  
e with 1196 digits, 522 terms, 260 units error, with last 3 digits in error, last digits are 8969449 should be 8969709.  
e with 1197 digits, 523 terms, 268 units error, with last 4 digits in error, last digits are 9696828 should be 9697096.  
e with 1198 digits, 523 terms, 251 units error, with last 3 digits in error, last digits are 6970713 should be 6970964.  
e with 1199 digits, 523 terms, 247 units error, with last 3 digits in error, last digits are 9709393 should be 9709640.  
e with 1200 digits, 524 terms, 266 units error, with last 3 digits in error, last digits are 7096143 should be 7096409.  
e with 1201 digits, 524 terms, 246 units error, with last 4 digits in error, last digits are 963851 should be 964097.  
e with 1202 digits, 525 terms, 259 units error, with last 3 digits in error, last digits are 9640716 should be 9640975.  
e with 1203 digits, 525 terms, 257 units error, with last 3 digits in error, last digits are 6409497 should be 6409754.  
e with 1204 digits, 525 terms, 259 units error, with last 3 digits in error, last digits are 4097286 should be 4097545.  
e with 1205 digits, 526 terms, 268 units error, with last 3 digits in error, last digits are 975191 should be 975459.  
e with 1206 digits, 526 terms, 262 units error, with last 3 digits in error, last digits are 9754329 should be 9754591.  
e with 1207 digits, 526 terms, 267 units error, with last 3 digits in error, last digits are 7545651 should be 7545918.  
e with 1208 digits, 527 terms, 257 units error, with last 4 digits in error, last digits are 5458928 should be 5459185.  
e with 1209 digits, 527 terms, 270 units error, with last 3 digits in error, last digits are 4591586 should be 4591856.  
e with 1210 digits, 527 terms, 257 units error, with last 3 digits in error, last digits are 5918312 should be 5918569.  
e with 1211 digits, 528 terms, 275 units error, with last 3 digits in error, last digits are 9185420 should be 9185695.  
e with 1212 digits, 528 terms, 254 units error, with last 3 digits in error, last digits are 1856702 should be 1856956.  
e with 1213 digits, 529 terms, 261 units error, with last 3 digits in error, last digits are 8569302 should be 8569563.  
e with 1214 digits, 529 terms, 269 units error, with last 3 digits in error, last digits are 5695369 should be 5695638.  
e with 1215 digits, 529 terms, 262 units error, with last 3 digits in error, last digits are 6956118 should be 6956380.  
e with 1216 digits, 530 terms, 256 units error, with last 3 digits in error, last digits are 9563546 should be 9563802.  
e with 1217 digits, 530 terms, 264 units error, with last 4 digits in error, last digits are 5637759 should be 5638023.  
e with 1218 digits, 530 terms, 265 units error, with last 5 digits in error, last digits are 6379971 should be 6380236.  
e with 1219 digits, 531 terms, 261 units error, with last 3 digits in error, last digits are 3802102 should be 3802363.  
e with 1220 digits, 531 terms, 255 units error, with last 3 digits in error, last digits are 8023382 should be 8023637.  
e with 1221 digits, 532 terms, 274 units error, with last 3 digits in error, last digits are 236096 should be 236370.  
e with 1222 digits, 532 terms, 272 units error, with last 3 digits in error, last digits are 2363429 should be 2363701.  
e with 1223 digits, 532 terms, 256 units error, with last 4 digits in error, last digits are 3636760 should be 3637016.  
e with 1224 digits, 533 terms, 259 units error, with last 5 digits in error, last digits are 6369903 should be 6370162.  
e with 1225 digits, 533 terms, 262 units error, with last 3 digits in error, last digits are 3701359 should be 3701621.



e with 1226 digits, 533 terms, 270 units error, with last 4 digits in error, last digits are 7015941 should be 7016211.  
e with 1227 digits, 534 terms, 261 units error, with last 4 digits in error, last digits are 161851 should be 162112.  
e with 1228 digits, 534 terms, 266 units error, with last 4 digits in error, last digits are 1620854 should be 1621120.  
e with 1229 digits, 534 terms, 259 units error, with last 4 digits in error, last digits are 6210945 should be 6211204.  
e with 1230 digits, 535 terms, 256 units error, with last 4 digits in error, last digits are 2111791 should be 2112047.  
e with 1231 digits, 535 terms, 261 units error, with last 3 digits in error, last digits are 1120216 should be 1120477.  
e with 1232 digits, 536 terms, 268 units error, with last 3 digits in error, last digits are 1204506 should be 1204774.  
e with 1233 digits, 536 terms, 274 units error, with last 3 digits in error, last digits are 2047468 should be 2047742.  
e with 1234 digits, 536 terms, 266 units error, with last 3 digits in error, last digits are 477161 should be 477427.  
e with 1235 digits, 537 terms, 281 units error, with last 4 digits in error, last digits are 4773991 should be 4774272.  
e with 1236 digits, 537 terms, 281 units error, with last 3 digits in error, last digits are 7742441 should be 7742722.  
e with 1237 digits, 537 terms, 261 units error, with last 4 digits in error, last digits are 7426967 should be 7427228.  
e with 1238 digits, 538 terms, 267 units error, with last 3 digits in error, last digits are 4272016 should be 4272283.  
e with 1239 digits, 538 terms, 257 units error, with last 3 digits in error, last digits are 2722579 should be 2722836.  
e with 1240 digits, 538 terms, 269 units error, with last 3 digits in error, last digits are 7228095 should be 7228364.  
e with 1241 digits, 539 terms, 267 units error, with last 3 digits in error, last digits are 2283381 should be 2283648.  
e with 1242 digits, 539 terms, 273 units error, with last 3 digits in error, last digits are 2836216 should be 2836489.  
e with 1243 digits, 540 terms, 260 units error, with last 3 digits in error, last digits are 8364636 should be 8364896.  
e with 1244 digits, 540 terms, 255 units error, with last 3 digits in error, last digits are 3648706 should be 3648961.  
e with 1245 digits, 540 terms, 275 units error, with last 3 digits in error, last digits are 6489338 should be 6489613.  
e with 1246 digits, 541 terms, 267 units error, with last 4 digits in error, last digits are 4895867 should be 4896134.  
e with 1247 digits, 541 terms, 272 units error, with last 3 digits in error, last digits are 8961070 should be 8961342.  
e with 1248 digits, 541 terms, 278 units error, with last 3 digits in error, last digits are 9613144 should be 9613422.  
e with 1249 digits, 542 terms, 285 units error, with last 4 digits in error, last digits are 6133940 should be 6134225.  
e with 1250 digits, 542 terms, 278 units error, with last 4 digits in error, last digits are 1341973 should be 1342251.  
e with 1251 digits, 543 terms, 259 units error, with last 3 digits in error, last digits are 3422257 should be 3422516.  
e with 1252 digits, 543 terms, 278 units error, with last 4 digits in error, last digits are 4224886 should be 4225164.  
e with 1253 digits, 543 terms, 287 units error, with last 3 digits in error, last digits are 2251357 should be 2251644.  
e with 1254 digits, 544 terms, 280 units error, with last 3 digits in error, last digits are 2516165 should be 2516445.  
e with 1255 digits, 544 terms, 276 units error, with last 3 digits in error, last digits are 5164174 should be 5164450.  
e with 1256 digits, 544 terms, 259 units error, with last 3 digits in error, last digits are 1644248 should be 1644507.  
e with 1257 digits, 545 terms, 265 units error, with last 4 digits in error, last digits are 6444813 should be 6445078.  
e with 1258 digits, 545 terms, 271 units error, with last 3 digits in error, last digits are 4450510 should be 4450781.  
e with 1259 digits, 545 terms, 286 units error, with last 3 digits in error, last digits are 4507532 should be 4507818.  
e with 1260 digits, 546 terms, 277 units error, with last 4 digits in error, last digits are 5077905 should be 5078182.  
e with 1261 digits, 546 terms, 272 units error, with last 3 digits in error, last digits are 781552 should be 781824.  
e with 1262 digits, 547 terms, 272 units error, with last 4 digits in error, last digits are 7817972 should be 7818244.  
e with 1263 digits, 547 terms, 280 units error, with last 3 digits in error, last digits are 8182162 should be 8182442.  
e with 1264 digits, 547 terms, 275 units error, with last 3 digits in error, last digits are 1824148 should be 1824423.  
e with 1265 digits, 548 terms, 270 units error, with last 4 digits in error, last digits are 8243965 should be 8244235.  
e with 1266 digits, 548 terms, 266 units error, with last 3 digits in error, last digits are 2442086 should be 2442352.  
e with 1267 digits, 548 terms, 260 units error, with last 3 digits in error, last digits are 4423269 should be 4423529.  
e with 1268 digits, 549 terms, 279 units error, with last 3 digits in error, last digits are 4235015 should be 4235294.  
e with 1269 digits, 549 terms, 269 units error, with last 3 digits in error, last digits are 2352679 should be 2352948.  
e with 1270 digits, 549 terms, 270 units error, with last 3 digits in error, last digits are 3529216 should be 3529486.  
e with 1271 digits, 550 terms, 263 units error, with last 3 digits in error, last digits are 5294600 should be 5294863.  
e with 1272 digits, 550 terms, 270 units error, with last 3 digits in error, last digits are 2948366 should be 2948636.  
e with 1273 digits, 551 terms, 271 units error, with last 3 digits in error, last digits are 9486092 should be 9486363.  
e with 1274 digits, 551 terms, 279 units error, with last 3 digits in error, last digits are 4863358 should be 4863637.  
e with 1275 digits, 551 terms, 284 units error, with last 3 digits in error, last digits are 8636088 should be 8636372.  
e with 1276 digits, 552 terms, 279 units error, with last 3 digits in error, last digits are 6363442 should be 6363721.  
e with 1277 digits, 552 terms, 285 units error, with last 4 digits in error, last digits are 3636929 should be 3637214.  
e with 1278 digits, 552 terms, 272 units error, with last 4 digits in error, last digits are 6371869 should be 6372141.  
e with 1279 digits, 553 terms, 272 units error, with last 3 digits in error, last digits are 3721145 should be 3721417.  
e with 1280 digits, 553 terms, 267 units error, with last 4 digits in error, last digits are 7213907 should be 7214174.  
e with 1281 digits, 553 terms, 278 units error, with last 3 digits in error, last digits are 2141462 should be 2141740.

e with 1282 digits, 554 terms, 287 units error, with last 3 digits in error, last digits are 1417115 should be 1417402.  
e with 1283 digits, 554 terms, 278 units error, with last 4 digits in error, last digits are 4173745 should be 4174023.  
e with 1284 digits, 555 terms, 275 units error, with last 5 digits in error, last digits are 1739963 should be 1740238.  
e with 1285 digits, 555 terms, 291 units error, with last 3 digits in error, last digits are 7402097 should be 7402388.  
e with 1286 digits, 555 terms, 268 units error, with last 3 digits in error, last digits are 4023621 should be 4023889.  
e with 1287 digits, 556 terms, 276 units error, with last 3 digits in error, last digits are 238617 should be 238893.  
e with 1288 digits, 556 terms, 274 units error, with last 3 digits in error, last digits are 2388660 should be 2388934.  
e with 1289 digits, 556 terms, 264 units error, with last 3 digits in error, last digits are 3889080 should be 3889344.  
e with 1290 digits, 557 terms, 275 units error, with last 3 digits in error, last digits are 8893166 should be 8893441.  
e with 1291 digits, 557 terms, 285 units error, with last 3 digits in error, last digits are 8934127 should be 8934412.  
e with 1292 digits, 557 terms, 275 units error, with last 4 digits in error, last digits are 9343849 should be 9344124.  
e with 1293 digits, 558 terms, 276 units error, with last 4 digits in error, last digits are 3440971 should be 3441247.  
e with 1294 digits, 558 terms, 288 units error, with last 3 digits in error, last digits are 4412191 should be 4412479.  
e with 1295 digits, 559 terms, 280 units error, with last 3 digits in error, last digits are 4124516 should be 4124796.  
e with 1296 digits, 559 terms, 265 units error, with last 3 digits in error, last digits are 1247698 should be 1247963.  
e with 1297 digits, 559 terms, 277 units error, with last 3 digits in error, last digits are 2479358 should be 2479635.  
e with 1298 digits, 560 terms, 287 units error, with last 3 digits in error, last digits are 4796070 should be 4796357.  
e with 1299 digits, 560 terms, 283 units error, with last 3 digits in error, last digits are 7963291 should be 7963574.  
e with 1300 digits, 560 terms, 280 units error, with last 3 digits in error, last digits are 9635463 should be 9635743.  
e with 1301 digits, 561 terms, 282 units error, with last 3 digits in error, last digits are 6357155 should be 6357437.  
e with 1302 digits, 561 terms, 281 units error, with last 3 digits in error, last digits are 3574089 should be 3574370.  
e with 1303 digits, 561 terms, 290 units error, with last 3 digits in error, last digits are 5743412 should be 5743702.  
e with 1304 digits, 562 terms, 274 units error, with last 4 digits in error, last digits are 7436752 should be 7437026.  
e with 1305 digits, 562 terms, 273 units error, with last 5 digits in error, last digits are 4369990 should be 4370263.  
e with 1306 digits, 563 terms, 282 units error, with last 3 digits in error, last digits are 3702355 should be 3702637.  
e with 1307 digits, 563 terms, 276 units error, with last 3 digits in error, last digits are 7026099 should be 7026375.  
e with 1308 digits, 563 terms, 274 units error, with last 3 digits in error, last digits are 263481 should be 263755.  
e with 1309 digits, 564 terms, 277 units error, with last 3 digits in error, last digits are 2637275 should be 2637552.  
e with 1310 digits, 564 terms, 281 units error, with last 3 digits in error, last digits are 6375248 should be 6375529.  
e with 1311 digits, 564 terms, 269 units error, with last 3 digits in error, last digits are 3755025 should be 3755294.  
e with 1312 digits, 565 terms, 278 units error, with last 3 digits in error, last digits are 7552666 should be 7552944.  
e with 1313 digits, 565 terms, 279 units error, with last 3 digits in error, last digits are 5529165 should be 5529444.  
e with 1314 digits, 565 terms, 282 units error, with last 3 digits in error, last digits are 5294166 should be 5294448.  
e with 1315 digits, 566 terms, 284 units error, with last 3 digits in error, last digits are 2944199 should be 2944483.  
e with 1316 digits, 566 terms, 283 units error, with last 3 digits in error, last digits are 9444550 should be 9444833.  
e with 1317 digits, 567 terms, 299 units error, with last 3 digits in error, last digits are 4448038 should be 4448337.  
e with 1318 digits, 567 terms, 284 units error, with last 3 digits in error, last digits are 4483095 should be 4483379.  
e with 1319 digits, 567 terms, 291 units error, with last 3 digits in error, last digits are 4833508 should be 4833799.  
e with 1320 digits, 568 terms, 269 units error, with last 3 digits in error, last digits are 8337729 should be 8337998.  
e with 1321 digits, 568 terms, 277 units error, with last 3 digits in error, last digits are 3379703 should be 3379980.  
e with 1322 digits, 568 terms, 287 units error, with last 3 digits in error, last digits are 3799514 should be 3799801.  
e with 1323 digits, 569 terms, 285 units error, with last 4 digits in error, last digits are 7997731 should be 7998016.  
e with 1324 digits, 569 terms, 278 units error, with last 5 digits in error, last digits are 9979883 should be 9980161.  
e with 1325 digits, 569 terms, 296 units error, with last 3 digits in error, last digits are 9801316 should be 9801612.  
e with 1326 digits, 570 terms, 284 units error, with last 4 digits in error, last digits are 8015841 should be 8016125.  
e with 1327 digits, 570 terms, 282 units error, with last 4 digits in error, last digits are 160972 should be 161254.  
e with 1328 digits, 571 terms, 287 units error, with last 3 digits in error, last digits are 1612262 should be 1612549.  
e with 1329 digits, 571 terms, 299 units error, with last 3 digits in error, last digits are 6125193 should be 6125492.  
e with 1330 digits, 571 terms, 283 units error, with last 3 digits in error, last digits are 1254639 should be 1254922.  
e with 1331 digits, 572 terms, 282 units error, with last 4 digits in error, last digits are 2548945 should be 2549227.  
e with 1332 digits, 572 terms, 284 units error, with last 4 digits in error, last digits are 5491994 should be 5492278.  
e with 1333 digits, 572 terms, 276 units error, with last 3 digits in error, last digits are 4922509 should be 4922785.  
e with 1334 digits, 573 terms, 278 units error, with last 3 digits in error, last digits are 9227572 should be 9227850.  
e with 1335 digits, 573 terms, 288 units error, with last 3 digits in error, last digits are 2278221 should be 2278509.  
e with 1336 digits, 573 terms, 278 units error, with last 4 digits in error, last digits are 2784814 should be 2785092.  
e with 1337 digits, 574 terms, 280 units error, with last 3 digits in error, last digits are 7850645 should be 7850925.

e with 1338 digits, 574 terms, 287 units error, with last 4 digits in error, last digits are 8508970 should be 8509257.  
e with 1339 digits, 575 terms, 279 units error, with last 3 digits in error, last digits are 5092298 should be 5092577.  
e with 1340 digits, 575 terms, 282 units error, with last 3 digits in error, last digits are 925496 should be 925778.  
e with 1341 digits, 575 terms, 284 units error, with last 3 digits in error, last digits are 9257498 should be 9257782.  
e with 1342 digits, 576 terms, 297 units error, with last 3 digits in error, last digits are 2577528 should be 2577825.  
e with 1343 digits, 576 terms, 289 units error, with last 4 digits in error, last digits are 5777967 should be 5778256.  
e with 1344 digits, 576 terms, 289 units error, with last 3 digits in error, last digits are 7782273 should be 7782562.  
e with 1345 digits, 577 terms, 279 units error, with last 3 digits in error, last digits are 7825341 should be 7825620.  
e with 1346 digits, 577 terms, 291 units error, with last 4 digits in error, last digits are 8255918 should be 8256209.  
e with 1347 digits, 577 terms, 270 units error, with last 4 digits in error, last digits are 2561822 should be 2562092.  
e with 1348 digits, 578 terms, 291 units error, with last 3 digits in error, last digits are 5620635 should be 5620926.  
e with 1349 digits, 578 terms, 292 units error, with last 4 digits in error, last digits are 6208970 should be 6209262.  
e with 1350 digits, 579 terms, 296 units error, with last 3 digits in error, last digits are 2092326 should be 2092622.  
e with 1351 digits, 579 terms, 294 units error, with last 4 digits in error, last digits are 925932 should be 926226.  
e with 1352 digits, 579 terms, 288 units error, with last 4 digits in error, last digits are 9261976 should be 9262264.  
e with 1353 digits, 580 terms, 289 units error, with last 3 digits in error, last digits are 2622359 should be 2622648.  
e with 1354 digits, 580 terms, 294 units error, with last 3 digits in error, last digits are 6226189 should be 6226483.  
e with 1355 digits, 580 terms, 287 units error, with last 3 digits in error, last digits are 2264545 should be 2264832.  
e with 1356 digits, 581 terms, 299 units error, with last 3 digits in error, last digits are 2648027 should be 2648326.  
e with 1357 digits, 581 terms, 295 units error, with last 4 digits in error, last digits are 6482967 should be 6483262.  
e with 1358 digits, 581 terms, 288 units error, with last 3 digits in error, last digits are 4832339 should be 4832627.  
e with 1359 digits, 582 terms, 293 units error, with last 4 digits in error, last digits are 8325984 should be 8326277.  
e with 1360 digits, 582 terms, 296 units error, with last 3 digits in error, last digits are 3262483 should be 3262779.  
e with 1361 digits, 583 terms, 293 units error, with last 3 digits in error, last digits are 2627500 should be 2627793.  
e with 1362 digits, 583 terms, 304 units error, with last 3 digits in error, last digits are 6277629 should be 6277933.  
e with 1363 digits, 583 terms, 299 units error, with last 3 digits in error, last digits are 2779034 should be 2779333.  
e with 1364 digits, 584 terms, 298 units error, with last 3 digits in error, last digits are 7793040 should be 7793338.  
e with 1365 digits, 584 terms, 302 units error, with last 3 digits in error, last digits are 7933084 should be 7933386.  
e with 1366 digits, 584 terms, 288 units error, with last 3 digits in error, last digits are 9333577 should be 9333865.  
e with 1367 digits, 585 terms, 297 units error, with last 3 digits in error, last digits are 3338359 should be 3338656.  
e with 1368 digits, 585 terms, 303 units error, with last 3 digits in error, last digits are 3386263 should be 3386566.  
e with 1369 digits, 585 terms, 298 units error, with last 3 digits in error, last digits are 3865366 should be 3865664.  
e with 1370 digits, 586 terms, 289 units error, with last 3 digits in error, last digits are 8656359 should be 8656648.  
e with 1371 digits, 586 terms, 293 units error, with last 3 digits in error, last digits are 6566188 should be 6566481.  
e with 1372 digits, 586 terms, 299 units error, with last 3 digits in error, last digits are 5664517 should be 5664816.  
e with 1373 digits, 587 terms, 286 units error, with last 4 digits in error, last digits are 6647876 should be 6648162.  
e with 1374 digits, 587 terms, 294 units error, with last 3 digits in error, last digits are 6481333 should be 6481627.  
e with 1375 digits, 588 terms, 283 units error, with last 4 digits in error, last digits are 4815994 should be 4816277.  
e with 1376 digits, 588 terms, 300 units error, with last 3 digits in error, last digits are 8162472 should be 8162772.  
e with 1377 digits, 588 terms, 294 units error, with last 3 digits in error, last digits are 1627431 should be 1627725.  
e with 1378 digits, 589 terms, 301 units error, with last 4 digits in error, last digits are 6276950 should be 6277251.  
e with 1379 digits, 589 terms, 296 units error, with last 3 digits in error, last digits are 2772220 should be 2772516.  
e with 1380 digits, 589 terms, 303 units error, with last 4 digits in error, last digits are 7724861 should be 7725164.  
e with 1381 digits, 590 terms, 305 units error, with last 3 digits in error, last digits are 7251335 should be 7251640.  
e with 1382 digits, 590 terms, 297 units error, with last 3 digits in error, last digits are 2516104 should be 2516401.  
e with 1383 digits, 590 terms, 289 units error, with last 4 digits in error, last digits are 5163730 should be 5164019.  
e with 1384 digits, 591 terms, 297 units error, with last 5 digits in error, last digits are 1639894 should be 1640191.  
e with 1385 digits, 591 terms, 307 units error, with last 3 digits in error, last digits are 6401603 should be 6401910.  
e with 1386 digits, 592 terms, 283 units error, with last 4 digits in error, last digits are 4018822 should be 4019105.  
e with 1387 digits, 592 terms, 302 units error, with last 4 digits in error, last digits are 190757 should be 191059.  
e with 1388 digits, 592 terms, 293 units error, with last 3 digits in error, last digits are 1910297 should be 1910590.  
e with 1389 digits, 593 terms, 301 units error, with last 3 digits in error, last digits are 9105599 should be 9105900.  
e with 1390 digits, 593 terms, 297 units error, with last 4 digits in error, last digits are 1058707 should be 1059004.  
e with 1391 digits, 593 terms, 290 units error, with last 5 digits in error, last digits are 589759 should be 590049.  
e with 1392 digits, 594 terms, 294 units error, with last 3 digits in error, last digits are 5900197 should be 5900491.  
e with 1393 digits, 594 terms, 293 units error, with last 3 digits in error, last digits are 9004623 should be 9004916.

e with 1394 digits, 594 terms, 287 units error, with last 4 digits in error, last digits are 48877 should be 49164.  
e with 1395 digits, 595 terms, 303 units error, with last 3 digits in error, last digits are 491341 should be 491644.  
e with 1396 digits, 595 terms, 292 units error, with last 3 digits in error, last digits are 4916157 should be 4916449.  
e with 1397 digits, 596 terms, 293 units error, with last 3 digits in error, last digits are 9164206 should be 9164499.  
e with 1398 digits, 596 terms, 299 units error, with last 3 digits in error, last digits are 1644699 should be 1644998.  
e with 1399 digits, 596 terms, 298 units error, with last 3 digits in error, last digits are 6449684 should be 6449982.  
e with 1400 digits, 597 terms, 293 units error, with last 3 digits in error, last digits are 4499535 should be 4499828.  
e with 1401 digits, 597 terms, 299 units error, with last 4 digits in error, last digits are 4997990 should be 4998289.  
e with 1402 digits, 597 terms, 302 units error, with last 3 digits in error, last digits are 9982591 should be 9982893.  
e with 1403 digits, 598 terms, 293 units error, with last 3 digits in error, last digits are 9828638 should be 9828931.  
e with 1404 digits, 598 terms, 300 units error, with last 3 digits in error, last digits are 8289015 should be 8289315.  
e with 1405 digits, 598 terms, 293 units error, with last 4 digits in error, last digits are 2892857 should be 2893150.  
e with 1406 digits, 599 terms, 292 units error, with last 3 digits in error, last digits are 8931213 should be 8931505.  
e with 1407 digits, 599 terms, 305 units error, with last 4 digits in error, last digits are 9314751 should be 9315056.  
e with 1408 digits, 599 terms, 300 units error, with last 3 digits in error, last digits are 3150266 should be 3150566.  
e with 1409 digits, 600 terms, 309 units error, with last 3 digits in error, last digits are 1505351 should be 1505660.  
e with 1410 digits, 600 terms, 304 units error, with last 3 digits in error, last digits are 5056300 should be 5056604.  
e with 1411 digits, 601 terms, 311 units error, with last 4 digits in error, last digits are 565736 should be 566047.  
e with 1412 digits, 601 terms, 300 units error, with last 3 digits in error, last digits are 5660172 should be 5660472.  
e with 1413 digits, 601 terms, 304 units error, with last 3 digits in error, last digits are 6604421 should be 6604725.  
e with 1414 digits, 602 terms, 305 units error, with last 4 digits in error, last digits are 6046953 should be 6047258.  
e with 1415 digits, 602 terms, 304 units error, with last 3 digits in error, last digits are 472276 should be 472580.  
e with 1416 digits, 602 terms, 306 units error, with last 3 digits in error, last digits are 4725496 should be 4725802.  
e with 1417 digits, 603 terms, 298 units error, with last 4 digits in error, last digits are 7257729 should be 7258027.  
e with 1418 digits, 603 terms, 288 units error, with last 5 digits in error, last digits are 2579989 should be 2580277.  
e with 1419 digits, 603 terms, 299 units error, with last 3 digits in error, last digits are 5802479 should be 5802778.  
e with 1420 digits, 604 terms, 312 units error, with last 3 digits in error, last digits are 8027474 should be 8027786.  
e with 1421 digits, 604 terms, 309 units error, with last 3 digits in error, last digits are 277554 should be 277863.  
e with 1422 digits, 604 terms, 296 units error, with last 3 digits in error, last digits are 2778335 should be 2778631.  
e with 1423 digits, 605 terms, 311 units error, with last 3 digits in error, last digits are 7786007 should be 7786318.  
e with 1424 digits, 605 terms, 309 units error, with last 4 digits in error, last digits are 7862877 should be 7863186.  
e with 1425 digits, 606 terms, 304 units error, with last 3 digits in error, last digits are 8631560 should be 8631864.  
e with 1426 digits, 606 terms, 289 units error, with last 3 digits in error, last digits are 6318352 should be 6318641.  
e with 1427 digits, 606 terms, 305 units error, with last 3 digits in error, last digits are 3186110 should be 3186415.  
e with 1428 digits, 607 terms, 297 units error, with last 4 digits in error, last digits are 1863858 should be 1864155.  
e with 1429 digits, 607 terms, 301 units error, with last 3 digits in error, last digits are 8641250 should be 8641551.  
e with 1430 digits, 607 terms, 312 units error, with last 3 digits in error, last digits are 6415207 should be 6415519.  
e with 1431 digits, 608 terms, 305 units error, with last 4 digits in error, last digits are 4154890 should be 4155195.  
e with 1432 digits, 608 terms, 307 units error, with last 3 digits in error, last digits are 1551649 should be 1551956.  
e with 1433 digits, 608 terms, 308 units error, with last 3 digits in error, last digits are 5519257 should be 5519565.  
e with 1434 digits, 609 terms, 297 units error, with last 3 digits in error, last digits are 5195356 should be 5195653.  
e with 1435 digits, 609 terms, 311 units error, with last 3 digits in error, last digits are 1956221 should be 1956532.  
e with 1436 digits, 610 terms, 299 units error, with last 3 digits in error, last digits are 9565025 should be 9565324.  
e with 1437 digits, 610 terms, 305 units error, with last 4 digits in error, last digits are 5652939 should be 5653244.  
e with 1438 digits, 610 terms, 318 units error, with last 3 digits in error, last digits are 6532124 should be 6532442.  
e with 1439 digits, 611 terms, 310 units error, with last 3 digits in error, last digits are 5324115 should be 5324425.  
e with 1440 digits, 611 terms, 313 units error, with last 4 digits in error, last digits are 3243945 should be 3244258.  
e with 1441 digits, 611 terms, 313 units error, with last 3 digits in error, last digits are 2442273 should be 2442586.  
e with 1442 digits, 612 terms, 298 units error, with last 3 digits in error, last digits are 4425571 should be 4425869.  
e with 1443 digits, 612 terms, 294 units error, with last 3 digits in error, last digits are 4258404 should be 4258698.  
e with 1444 digits, 612 terms, 305 units error, with last 3 digits in error, last digits are 2586677 should be 2586982.  
e with 1445 digits, 613 terms, 302 units error, with last 3 digits in error, last digits are 5869527 should be 5869829.  
e with 1446 digits, 613 terms, 317 units error, with last 4 digits in error, last digits are 8697977 should be 8698294.  
e with 1447 digits, 613 terms, 299 units error, with last 3 digits in error, last digits are 6982647 should be 6982946.  
e with 1448 digits, 614 terms, 319 units error, with last 3 digits in error, last digits are 9829150 should be 9829469.  
e with 1449 digits, 614 terms, 306 units error, with last 3 digits in error, last digits are 8294389 should be 8294695.

e with 1450 digits, 615 terms, 304 units error, with last 3 digits in error, last digits are 2946655 should be 2946959.  
e with 1451 digits, 615 terms, 312 units error, with last 3 digits in error, last digits are 9469281 should be 9469593.  
e with 1452 digits, 615 terms, 316 units error, with last 3 digits in error, last digits are 4695614 should be 4695930.  
e with 1453 digits, 616 terms, 304 units error, with last 3 digits in error, last digits are 6959004 should be 6959308.  
e with 1454 digits, 616 terms, 310 units error, with last 4 digits in error, last digits are 9592770 should be 9593080.  
e with 1455 digits, 616 terms, 300 units error, with last 3 digits in error, last digits are 5930501 should be 5930801.  
e with 1456 digits, 617 terms, 301 units error, with last 4 digits in error, last digits are 9307718 should be 9308019.  
e with 1457 digits, 617 terms, 316 units error, with last 5 digits in error, last digits are 3079875 should be 3080191.  
e with 1458 digits, 617 terms, 306 units error, with last 3 digits in error, last digits are 801609 should be 801915.  
e with 1459 digits, 618 terms, 303 units error, with last 4 digits in error, last digits are 8018849 should be 8019152.  
e with 1460 digits, 618 terms, 319 units error, with last 3 digits in error, last digits are 191210 should be 191529.  
e with 1461 digits, 618 terms, 316 units error, with last 4 digits in error, last digits are 1914982 should be 1915298.  
e with 1462 digits, 619 terms, 312 units error, with last 3 digits in error, last digits are 9152675 should be 9152987.  
e with 1463 digits, 619 terms, 312 units error, with last 3 digits in error, last digits are 1529560 should be 1529872.  
e with 1464 digits, 620 terms, 315 units error, with last 3 digits in error, last digits are 5298406 should be 5298721.  
e with 1465 digits, 620 terms, 305 units error, with last 4 digits in error, last digits are 2986906 should be 2987211.  
e with 1466 digits, 620 terms, 315 units error, with last 4 digits in error, last digits are 9871802 should be 9872117.  
e with 1467 digits, 621 terms, 298 units error, with last 4 digits in error, last digits are 8720874 should be 8721172.  
e with 1468 digits, 621 terms, 305 units error, with last 3 digits in error, last digits are 7211420 should be 7211725.  
e with 1469 digits, 621 terms, 294 units error, with last 4 digits in error, last digits are 2116961 should be 2117255.  
e with 1470 digits, 622 terms, 309 units error, with last 3 digits in error, last digits are 1172247 should be 1172556.  
e with 1471 digits, 622 terms, 306 units error, with last 3 digits in error, last digits are 1725257 should be 1725563.  
e with 1472 digits, 622 terms, 316 units error, with last 3 digits in error, last digits are 7255318 should be 7255634.  
e with 1473 digits, 623 terms, 309 units error, with last 3 digits in error, last digits are 2556038 should be 2556347.  
e with 1474 digits, 623 terms, 311 units error, with last 3 digits in error, last digits are 5563164 should be 5563475.  
e with 1475 digits, 624 terms, 318 units error, with last 3 digits in error, last digits are 5634436 should be 5634754.  
e with 1476 digits, 624 terms, 316 units error, with last 3 digits in error, last digits are 6347230 should be 6347546.  
e with 1477 digits, 624 terms, 298 units error, with last 3 digits in error, last digits are 3475165 should be 3475463.  
e with 1478 digits, 625 terms, 315 units error, with last 3 digits in error, last digits are 4754324 should be 4754639.  
e with 1479 digits, 625 terms, 311 units error, with last 3 digits in error, last digits are 7546085 should be 7546396.  
e with 1480 digits, 625 terms, 312 units error, with last 3 digits in error, last digits are 5463652 should be 5463964.  
e with 1481 digits, 626 terms, 304 units error, with last 3 digits in error, last digits are 4639340 should be 4639644.  
e with 1482 digits, 626 terms, 318 units error, with last 3 digits in error, last digits are 6396129 should be 6396447.  
e with 1483 digits, 626 terms, 313 units error, with last 3 digits in error, last digits are 3964166 should be 3964479.  
e with 1484 digits, 627 terms, 309 units error, with last 3 digits in error, last digits are 9644482 should be 9644791.  
e with 1485 digits, 627 terms, 320 units error, with last 3 digits in error, last digits are 6447590 should be 6447910.  
e with 1486 digits, 627 terms, 318 units error, with last 4 digits in error, last digits are 4478783 should be 4479101.  
e with 1487 digits, 628 terms, 319 units error, with last 4 digits in error, last digits are 4790695 should be 4791014.  
e with 1488 digits, 628 terms, 303 units error, with last 5 digits in error, last digits are 7909842 should be 7910145.  
e with 1489 digits, 629 terms, 314 units error, with last 3 digits in error, last digits are 9101145 should be 9101459.  
e with 1490 digits, 629 terms, 309 units error, with last 3 digits in error, last digits are 1014281 should be 1014590.  
e with 1491 digits, 629 terms, 312 units error, with last 3 digits in error, last digits are 145592 should be 145904.  
e with 1492 digits, 630 terms, 304 units error, with last 4 digits in error, last digits are 1458736 should be 1459040.  
e with 1493 digits, 630 terms, 299 units error, with last 3 digits in error, last digits are 4590110 should be 4590409.  
e with 1494 digits, 630 terms, 307 units error, with last 4 digits in error, last digits are 5903783 should be 5904090.  
e with 1495 digits, 631 terms, 318 units error, with last 3 digits in error, last digits are 9040587 should be 9040905.  
e with 1496 digits, 631 terms, 313 units error, with last 4 digits in error, last digits are 408745 should be 409058.  
e with 1497 digits, 631 terms, 309 units error, with last 3 digits in error, last digits are 4090277 should be 4090586.  
e with 1498 digits, 632 terms, 309 units error, with last 3 digits in error, last digits are 905553 should be 905862.  
e with 1499 digits, 632 terms, 321 units error, with last 3 digits in error, last digits are 9058308 should be 9058629.  
e with 1500 digits, 632 terms, 320 units error, with last 4 digits in error, last digits are 585978 should be 586298.  
e with 1501 digits, 633 terms, 319 units error, with last 3 digits in error, last digits are 5862665 should be 5862984.  
e with 1502 digits, 633 terms, 318 units error, with last 3 digits in error, last digits are 8629531 should be 8629849.  
e with 1503 digits, 634 terms, 316 units error, with last 3 digits in error, last digits are 6298180 should be 6298496.  
e with 1504 digits, 634 terms, 308 units error, with last 3 digits in error, last digits are 2984659 should be 2984967.  
e with 1505 digits, 634 terms, 308 units error, with last 3 digits in error, last digits are 9849371 should be 9849679.

e with 1506 digits, 635 terms, 317 units error, with last 3 digits in error, last digits are 8496474 should be 8496791.  
e with 1507 digits, 635 terms, 302 units error, with last 3 digits in error, last digits are 4967610 should be 4967912.  
e with 1508 digits, 635 terms, 302 units error, with last 4 digits in error, last digits are 9678826 should be 9679128.  
e with 1509 digits, 636 terms, 303 units error, with last 4 digits in error, last digits are 6790984 should be 6791287.  
e with 1510 digits, 636 terms, 323 units error, with last 3 digits in error, last digits are 7912551 should be 7912874.  
e with 1511 digits, 636 terms, 319 units error, with last 3 digits in error, last digits are 9128421 should be 9128740.  
e with 1512 digits, 637 terms, 323 units error, with last 3 digits in error, last digits are 1287083 should be 1287406.  
e with 1513 digits, 637 terms, 317 units error, with last 4 digits in error, last digits are 2873751 should be 2874068.  
e with 1514 digits, 637 terms, 317 units error, with last 3 digits in error, last digits are 8740370 should be 8740687.  
e with 1515 digits, 638 terms, 318 units error, with last 3 digits in error, last digits are 7406552 should be 7406870.  
e with 1516 digits, 638 terms, 319 units error, with last 3 digits in error, last digits are 4068386 should be 4068705.  
e with 1517 digits, 638 terms, 306 units error, with last 4 digits in error, last digits are 686744 should be 687050.  
e with 1518 digits, 639 terms, 325 units error, with last 3 digits in error, last digits are 6870179 should be 6870504.  
e with 1519 digits, 639 terms, 315 units error, with last 4 digits in error, last digits are 8704733 should be 8705048.  
e with 1520 digits, 640 terms, 317 units error, with last 3 digits in error, last digits are 7050172 should be 7050489.  
e with 1521 digits, 640 terms, 319 units error, with last 3 digits in error, last digits are 504576 should be 504895.  
e with 1522 digits, 640 terms, 333 units error, with last 3 digits in error, last digits are 5048625 should be 5048958.  
e with 1523 digits, 641 terms, 319 units error, with last 3 digits in error, last digits are 489266 should be 489585.  
e with 1524 digits, 641 terms, 313 units error, with last 3 digits in error, last digits are 4895545 should be 4895858.  
e with 1525 digits, 641 terms, 331 units error, with last 3 digits in error, last digits are 8958255 should be 8958586.  
e with 1526 digits, 642 terms, 321 units error, with last 3 digits in error, last digits are 9585546 should be 9585867.  
e with 1527 digits, 642 terms, 321 units error, with last 3 digits in error, last digits are 5858350 should be 5858671.  
e with 1528 digits, 642 terms, 330 units error, with last 3 digits in error, last digits are 8586387 should be 8586717.  
e with 1529 digits, 643 terms, 332 units error, with last 4 digits in error, last digits are 5866842 should be 5867174.  
e with 1530 digits, 643 terms, 316 units error, with last 3 digits in error, last digits are 8671431 should be 8671747.  
e with 1531 digits, 643 terms, 312 units error, with last 3 digits in error, last digits are 6717167 should be 6717479.  
e with 1532 digits, 644 terms, 326 units error, with last 3 digits in error, last digits are 7174472 should be 7174798.  
e with 1533 digits, 644 terms, 323 units error, with last 3 digits in error, last digits are 1747662 should be 1747985.  
e with 1534 digits, 645 terms, 316 units error, with last 3 digits in error, last digits are 7479538 should be 7479854.  
e with 1535 digits, 645 terms, 335 units error, with last 3 digits in error, last digits are 4798211 should be 4798546.  
e with 1536 digits, 645 terms, 314 units error, with last 3 digits in error, last digits are 7985152 should be 7985466.  
e with 1537 digits, 646 terms, 323 units error, with last 3 digits in error, last digits are 9854344 should be 9854667.  
e with 1538 digits, 646 terms, 331 units error, with last 3 digits in error, last digits are 8546346 should be 8546677.  
e with 1539 digits, 646 terms, 324 units error, with last 3 digits in error, last digits are 5466451 should be 5466775.  
e with 1540 digits, 647 terms, 328 units error, with last 3 digits in error, last digits are 4667429 should be 4667757.  
e with 1541 digits, 647 terms, 319 units error, with last 3 digits in error, last digits are 6677256 should be 6677575.  
e with 1542 digits, 647 terms, 322 units error, with last 3 digits in error, last digits are 6775435 should be 6775757.  
e with 1543 digits, 648 terms, 313 units error, with last 3 digits in error, last digits are 7757260 should be 7757573.  
e with 1544 digits, 648 terms, 313 units error, with last 3 digits in error, last digits are 7575419 should be 7575732.  
e with 1545 digits, 648 terms, 332 units error, with last 4 digits in error, last digits are 5756988 should be 5757320.  
e with 1546 digits, 649 terms, 312 units error, with last 4 digits in error, last digits are 7572893 should be 7573205.  
e with 1547 digits, 649 terms, 329 units error, with last 4 digits in error, last digits are 5731727 should be 5732056.  
e with 1548 digits, 650 terms, 324 units error, with last 3 digits in error, last digits are 7320244 should be 7320568.  
e with 1549 digits, 650 terms, 328 units error, with last 3 digits in error, last digits are 3205353 should be 3205681.  
e with 1550 digits, 650 terms, 324 units error, with last 3 digits in error, last digits are 2056488 should be 2056812.  
e with 1551 digits, 651 terms, 328 units error, with last 4 digits in error, last digits are 567800 should be 568128.  
e with 1552 digits, 651 terms, 321 units error, with last 4 digits in error, last digits are 5680967 should be 5681288.  
e with 1553 digits, 651 terms, 321 units error, with last 3 digits in error, last digits are 6812563 should be 6812884.  
e with 1554 digits, 652 terms, 318 units error, with last 3 digits in error, last digits are 8128527 should be 8128845.  
e with 1555 digits, 652 terms, 329 units error, with last 3 digits in error, last digits are 1288130 should be 1288459.  
e with 1556 digits, 652 terms, 318 units error, with last 3 digits in error, last digits are 2884274 should be 2884592.  
e with 1557 digits, 653 terms, 317 units error, with last 3 digits in error, last digits are 8845603 should be 8845920.  
e with 1558 digits, 653 terms, 326 units error, with last 4 digits in error, last digits are 8458879 should be 8459205.  
e with 1559 digits, 653 terms, 325 units error, with last 4 digits in error, last digits are 4591729 should be 4592054.  
e with 1560 digits, 654 terms, 317 units error, with last 3 digits in error, last digits are 5920224 should be 5920541.  
e with 1561 digits, 654 terms, 317 units error, with last 3 digits in error, last digits are 9205096 should be 9205413.

e with 1562 digits, 655 terms, 322 units error, with last 4 digits in error, last digits are 2053811 should be 2054133.  
e with 1563 digits, 655 terms, 324 units error, with last 3 digits in error, last digits are 541010 should be 541334.  
e with 1564 digits, 655 terms, 321 units error, with last 3 digits in error, last digits are 5413019 should be 5413340.  
e with 1565 digits, 656 terms, 325 units error, with last 3 digits in error, last digits are 4133080 should be 4133405.  
e with 1566 digits, 656 terms, 326 units error, with last 4 digits in error, last digits are 1333727 should be 1334053.  
e with 1567 digits, 656 terms, 328 units error, with last 3 digits in error, last digits are 3340211 should be 3340539.  
e with 1568 digits, 657 terms, 335 units error, with last 3 digits in error, last digits are 3405057 should be 3405392.  
e with 1569 digits, 657 terms, 328 units error, with last 3 digits in error, last digits are 4053594 should be 4053922.  
e with 1570 digits, 657 terms, 326 units error, with last 4 digits in error, last digits are 538894 should be 539220.  
e with 1571 digits, 658 terms, 327 units error, with last 4 digits in error, last digits are 5391873 should be 5392200.  
e with 1572 digits, 658 terms, 342 units error, with last 4 digits in error, last digits are 3921658 should be 3922000.  
e with 1573 digits, 658 terms, 332 units error, with last 5 digits in error, last digits are 9219669 should be 9220001.  
e with 1574 digits, 659 terms, 337 units error, with last 6 digits in error, last digits are 2199674 should be 2200011.  
e with 1575 digits, 659 terms, 341 units error, with last 7 digits in error, last digits are 1999772 should be 2000113.  
e with 1576 digits, 659 terms, 331 units error, with last 4 digits in error, last digits are 806 should be 1137.  
e with 1577 digits, 660 terms, 335 units error, with last 3 digits in error, last digits are 11043 should be 11378.  
e with 1578 digits, 660 terms, 333 units error, with last 3 digits in error, last digits are 113453 should be 113786.  
e with 1579 digits, 661 terms, 326 units error, with last 3 digits in error, last digits are 1137537 should be 1137863.  
e with 1580 digits, 661 terms, 331 units error, with last 3 digits in error, last digits are 1378299 should be 1378630.  
e with 1581 digits, 661 terms, 330 units error, with last 4 digits in error, last digits are 3785970 should be 3786300.  
e with 1582 digits, 662 terms, 333 units error, with last 4 digits in error, last digits are 7862676 should be 7863009.  
e with 1583 digits, 662 terms, 330 units error, with last 5 digits in error, last digits are 8629764 should be 8630094.  
e with 1584 digits, 662 terms, 331 units error, with last 3 digits in error, last digits are 6300614 should be 6300945.  
e with 1585 digits, 663 terms, 326 units error, with last 3 digits in error, last digits are 3009129 should be 3009455.  
e with 1586 digits, 663 terms, 348 units error, with last 3 digits in error, last digits are 94208 should be 94556.  
e with 1587 digits, 663 terms, 328 units error, with last 3 digits in error, last digits are 945232 should be 945560.  
e with 1588 digits, 664 terms, 318 units error, with last 3 digits in error, last digits are 9455288 should be 9455606.  
e with 1589 digits, 664 terms, 340 units error, with last 4 digits in error, last digits are 4555728 should be 4556068.  
e with 1590 digits, 664 terms, 337 units error, with last 3 digits in error, last digits are 5560351 should be 5560688.  
e with 1591 digits, 665 terms, 343 units error, with last 3 digits in error, last digits are 5606538 should be 5606881.  
e with 1592 digits, 665 terms, 335 units error, with last 3 digits in error, last digits are 6068481 should be 6068816.  
e with 1593 digits, 665 terms, 343 units error, with last 4 digits in error, last digits are 687823 should be 688166.  
e with 1594 digits, 666 terms, 336 units error, with last 3 digits in error, last digits are 6881331 should be 6881667.  
e with 1595 digits, 666 terms, 326 units error, with last 3 digits in error, last digits are 8816348 should be 8816674.  
e with 1596 digits, 667 terms, 331 units error, with last 3 digits in error, last digits are 8166409 should be 8166740.  
e with 1597 digits, 667 terms, 342 units error, with last 3 digits in error, last digits are 1667058 should be 1667400.  
e with 1598 digits, 667 terms, 335 units error, with last 4 digits in error, last digits are 6673666 should be 6674001.  
e with 1599 digits, 668 terms, 346 units error, with last 5 digits in error, last digits are 6739670 should be 6740016.  
e with 1600 digits, 668 terms, 341 units error, with last 6 digits in error, last digits are 7399828 should be 7400169.  
e with 1601 digits, 668 terms, 332 units error, with last 3 digits in error, last digits are 4001366 should be 4001698.  
e with 1602 digits, 669 terms, 327 units error, with last 3 digits in error, last digits are 16657 should be 16984.  
e with 1603 digits, 669 terms, 338 units error, with last 3 digits in error, last digits are 169504 should be 169842.  
e with 1604 digits, 669 terms, 329 units error, with last 3 digits in error, last digits are 1698091 should be 1698420.  
e with 1605 digits, 670 terms, 326 units error, with last 4 digits in error, last digits are 6983879 should be 6984205.  
e with 1606 digits, 670 terms, 327 units error, with last 4 digits in error, last digits are 9841728 should be 9842055.  
e with 1607 digits, 670 terms, 342 units error, with last 3 digits in error, last digits are 8420216 should be 8420558.  
e with 1608 digits, 671 terms, 331 units error, with last 3 digits in error, last digits are 4205249 should be 4205580.  
e with 1609 digits, 671 terms, 321 units error, with last 3 digits in error, last digits are 2055483 should be 2055804.  
e with 1610 digits, 672 terms, 336 units error, with last 4 digits in error, last digits are 557704 should be 558040.  
e with 1611 digits, 672 terms, 335 units error, with last 3 digits in error, last digits are 5580068 should be 5580403.  
e with 1612 digits, 672 terms, 345 units error, with last 4 digits in error, last digits are 5803688 should be 5804033.  
e with 1613 digits, 673 terms, 332 units error, with last 3 digits in error, last digits are 8040004 should be 8040336.  
e with 1614 digits, 673 terms, 341 units error, with last 3 digits in error, last digits are 403022 should be 403363.  
e with 1615 digits, 673 terms, 328 units error, with last 3 digits in error, last digits are 4033309 should be 4033637.  
e with 1616 digits, 674 terms, 343 units error, with last 3 digits in error, last digits are 336036 should be 336379.  
e with 1617 digits, 674 terms, 343 units error, with last 3 digits in error, last digits are 3363452 should be 3363795.

e with 1618 digits, 674 terms, 335 units error, with last 3 digits in error, last digits are 3637618 should be 3637953.  
e with 1619 digits, 675 terms, 346 units error, with last 3 digits in error, last digits are 6379191 should be 6379537.  
e with 1620 digits, 675 terms, 339 units error, with last 3 digits in error, last digits are 3795037 should be 3795376.  
e with 1621 digits, 675 terms, 330 units error, with last 3 digits in error, last digits are 7953434 should be 7953764.  
e with 1622 digits, 676 terms, 341 units error, with last 3 digits in error, last digits are 9537304 should be 9537645.  
e with 1623 digits, 676 terms, 348 units error, with last 3 digits in error, last digits are 5376104 should be 5376452.  
e with 1624 digits, 676 terms, 341 units error, with last 3 digits in error, last digits are 3764179 should be 3764520.  
e with 1625 digits, 677 terms, 329 units error, with last 4 digits in error, last digits are 7644874 should be 7645203.  
e with 1626 digits, 677 terms, 352 units error, with last 4 digits in error, last digits are 6451678 should be 6452030.  
e with 1627 digits, 678 terms, 334 units error, with last 5 digits in error, last digits are 4519970 should be 4520304.  
e with 1628 digits, 678 terms, 324 units error, with last 4 digits in error, last digits are 5202716 should be 5203040.  
e with 1629 digits, 678 terms, 333 units error, with last 3 digits in error, last digits are 2030069 should be 2030402.  
e with 1630 digits, 679 terms, 337 units error, with last 4 digits in error, last digits are 303687 should be 304024.  
e with 1631 digits, 679 terms, 332 units error, with last 5 digits in error, last digits are 3039911 should be 3040243.  
e with 1632 digits, 679 terms, 343 units error, with last 3 digits in error, last digits are 402089 should be 402432.  
e with 1633 digits, 680 terms, 337 units error, with last 4 digits in error, last digits are 4023985 should be 4024322.  
e with 1634 digits, 680 terms, 333 units error, with last 4 digits in error, last digits are 242892 should be 243225.  
e with 1635 digits, 680 terms, 353 units error, with last 4 digits in error, last digits are 2431903 should be 2432256.  
e with 1636 digits, 681 terms, 339 units error, with last 3 digits in error, last digits are 4322227 should be 4322566.  
e with 1637 digits, 681 terms, 351 units error, with last 3 digits in error, last digits are 3225310 should be 3225661.  
e with 1638 digits, 681 terms, 341 units error, with last 3 digits in error, last digits are 2256272 should be 2256613.  
e with 1639 digits, 682 terms, 340 units error, with last 4 digits in error, last digits are 2565795 should be 2566135.  
e with 1640 digits, 682 terms, 350 units error, with last 3 digits in error, last digits are 5661002 should be 5661352.  
e with 1641 digits, 682 terms, 335 units error, with last 3 digits in error, last digits are 6613192 should be 6613527.  
e with 1642 digits, 683 terms, 339 units error, with last 4 digits in error, last digits are 6134939 should be 6135278.  
e with 1643 digits, 683 terms, 363 units error, with last 3 digits in error, last digits are 1352420 should be 1352783.  
e with 1644 digits, 684 terms, 348 units error, with last 3 digits in error, last digits are 3527488 should be 3527836.  
e with 1645 digits, 684 terms, 346 units error, with last 3 digits in error, last digits are 5278023 should be 5278369.  
e with 1646 digits, 684 terms, 334 units error, with last 3 digits in error, last digits are 2783361 should be 2783695.  
e with 1647 digits, 685 terms, 337 units error, with last 3 digits in error, last digits are 7836614 should be 7836951.  
e with 1648 digits, 685 terms, 335 units error, with last 3 digits in error, last digits are 8369176 should be 8369511.  
e with 1649 digits, 685 terms, 349 units error, with last 4 digits in error, last digits are 3694768 should be 3695117.  
e with 1650 digits, 686 terms, 343 units error, with last 4 digits in error, last digits are 6950834 should be 6951177.  
e with 1651 digits, 686 terms, 326 units error, with last 3 digits in error, last digits are 9511452 should be 9511778.  
e with 1652 digits, 686 terms, 338 units error, with last 3 digits in error, last digits are 5117450 should be 5117788.  
e with 1653 digits, 687 terms, 340 units error, with last 3 digits in error, last digits are 1177543 should be 1177883.  
e with 1654 digits, 687 terms, 347 units error, with last 3 digits in error, last digits are 1778491 should be 1778838.  
e with 1655 digits, 687 terms, 347 units error, with last 3 digits in error, last digits are 7788039 should be 7788386.  
e with 1656 digits, 688 terms, 340 units error, with last 3 digits in error, last digits are 7883523 should be 7883863.  
e with 1657 digits, 688 terms, 330 units error, with last 3 digits in error, last digits are 8838308 should be 8838638.  
e with 1658 digits, 688 terms, 350 units error, with last 3 digits in error, last digits are 8386037 should be 8386387.  
e with 1659 digits, 689 terms, 337 units error, with last 3 digits in error, last digits are 3863537 should be 3863874.  
e with 1660 digits, 689 terms, 340 units error, with last 3 digits in error, last digits are 8638404 should be 8638744.  
e with 1661 digits, 690 terms, 341 units error, with last 3 digits in error, last digits are 6387102 should be 6387443.  
e with 1662 digits, 690 terms, 323 units error, with last 3 digits in error, last digits are 3874116 should be 3874439.  
e with 1663 digits, 690 terms, 341 units error, with last 3 digits in error, last digits are 8744055 should be 8744396.  
e with 1664 digits, 691 terms, 342 units error, with last 3 digits in error, last digits are 7443624 should be 7443966.  
e with 1665 digits, 691 terms, 368 units error, with last 3 digits in error, last digits are 4439294 should be 4439662.  
e with 1666 digits, 691 terms, 358 units error, with last 3 digits in error, last digits are 4396267 should be 4396625.  
e with 1667 digits, 692 terms, 352 units error, with last 4 digits in error, last digits are 3965901 should be 3966253.  
e with 1668 digits, 692 terms, 330 units error, with last 3 digits in error, last digits are 9662202 should be 9662532.  
e with 1669 digits, 692 terms, 335 units error, with last 4 digits in error, last digits are 6624987 should be 6625322.  
e with 1670 digits, 693 terms, 345 units error, with last 4 digits in error, last digits are 6252879 should be 6253224.  
e with 1671 digits, 693 terms, 340 units error, with last 4 digits in error, last digits are 2531909 should be 2532249.  
e with 1672 digits, 693 terms, 346 units error, with last 3 digits in error, last digits are 5322152 should be 5322498.  
e with 1673 digits, 694 terms, 341 units error, with last 3 digits in error, last digits are 3224644 should be 3224985.



e with 1674 digits, 694 terms, 356 units error, with last 3 digits in error, last digits are 2249494 should be 2249850.  
e with 1675 digits, 694 terms, 352 units error, with last 3 digits in error, last digits are 2498154 should be 2498506.  
e with 1676 digits, 695 terms, 343 units error, with last 4 digits in error, last digits are 4984722 should be 4985065.  
e with 1677 digits, 695 terms, 348 units error, with last 3 digits in error, last digits are 9850306 should be 9850654.  
e with 1678 digits, 695 terms, 348 units error, with last 3 digits in error, last digits are 8506201 should be 8506549.  
e with 1679 digits, 696 terms, 353 units error, with last 3 digits in error, last digits are 5065146 should be 5065499.  
e with 1680 digits, 696 terms, 344 units error, with last 3 digits in error, last digits are 654651 should be 654995.  
e with 1681 digits, 697 terms, 331 units error, with last 3 digits in error, last digits are 6549627 should be 6549958.  
e with 1682 digits, 697 terms, 346 units error, with last 3 digits in error, last digits are 5499242 should be 5499588.  
e with 1683 digits, 697 terms, 351 units error, with last 3 digits in error, last digits are 4995535 should be 4995886.  
e with 1684 digits, 698 terms, 346 units error, with last 3 digits in error, last digits are 9958516 should be 9958862.  
e with 1685 digits, 698 terms, 362 units error, with last 3 digits in error, last digits are 9588261 should be 9588623.  
e with 1686 digits, 698 terms, 346 units error, with last 4 digits in error, last digits are 5885888 should be 5886234.  
e with 1687 digits, 699 terms, 329 units error, with last 3 digits in error, last digits are 8862013 should be 8862342.  
e with 1688 digits, 699 terms, 356 units error, with last 3 digits in error, last digits are 8623072 should be 8623428.  
e with 1689 digits, 699 terms, 341 units error, with last 4 digits in error, last digits are 6233940 should be 6234281.  
e with 1690 digits, 700 terms, 355 units error, with last 3 digits in error, last digits are 2342463 should be 2342818.  
e with 1691 digits, 700 terms, 358 units error, with last 4 digits in error, last digits are 3427831 should be 3428189.  
e with 1692 digits, 700 terms, 357 units error, with last 3 digits in error, last digits are 4281542 should be 4281899.  
e with 1693 digits, 701 terms, 361 units error, with last 3 digits in error, last digits are 2818636 should be 2818997.  
e with 1694 digits, 701 terms, 354 units error, with last 3 digits in error, last digits are 8189616 should be 8189970.  
e with 1695 digits, 701 terms, 345 units error, with last 3 digits in error, last digits are 1899362 should be 1899707.  
e with 1696 digits, 702 terms, 348 units error, with last 4 digits in error, last digits are 8996729 should be 8997077.  
e with 1697 digits, 702 terms, 346 units error, with last 3 digits in error, last digits are 9970427 should be 9970773.  
e with 1698 digits, 703 terms, 343 units error, with last 3 digits in error, last digits are 9707390 should be 9707733.  
e with 1699 digits, 703 terms, 365 units error, with last 4 digits in error, last digits are 7076967 should be 7077332.  
e with 1700 digits, 703 terms, 360 units error, with last 4 digits in error, last digits are 772967 should be 773327.  
e with 1701 digits, 704 terms, 356 units error, with last 4 digits in error, last digits are 7732920 should be 7733276.  
e with 1702 digits, 704 terms, 355 units error, with last 3 digits in error, last digits are 7332406 should be 7332761.  
e with 1703 digits, 704 terms, 352 units error, with last 3 digits in error, last digits are 3327265 should be 3327617.  
e with 1704 digits, 705 terms, 356 units error, with last 4 digits in error, last digits are 3275815 should be 3276171.  
e with 1705 digits, 705 terms, 346 units error, with last 3 digits in error, last digits are 2761371 should be 2761717.  
e with 1706 digits, 705 terms, 353 units error, with last 4 digits in error, last digits are 7616825 should be 7617178.  
e with 1707 digits, 706 terms, 350 units error, with last 3 digits in error, last digits are 6171433 should be 6171783.  
e with 1708 digits, 706 terms, 359 units error, with last 3 digits in error, last digits are 1717480 should be 1717839.  
e with 1709 digits, 706 terms, 344 units error, with last 3 digits in error, last digits are 7178048 should be 7178392.  
e with 1710 digits, 707 terms, 350 units error, with last 3 digits in error, last digits are 1783578 should be 1783928.  
e with 1711 digits, 707 terms, 352 units error, with last 4 digits in error, last digits are 7838928 should be 7839280.  
e with 1712 digits, 707 terms, 352 units error, with last 3 digits in error, last digits are 8392451 should be 8392803.  
e with 1713 digits, 708 terms, 348 units error, with last 4 digits in error, last digits are 3927686 should be 3928034.  
e with 1714 digits, 708 terms, 361 units error, with last 5 digits in error, last digits are 9279988 should be 9280349.  
e with 1715 digits, 708 terms, 335 units error, with last 3 digits in error, last digits are 2803159 should be 2803494.  
e with 1716 digits, 709 terms, 349 units error, with last 3 digits in error, last digits are 8034597 should be 8034946.  
e with 1717 digits, 709 terms, 362 units error, with last 3 digits in error, last digits are 349103 should be 349465.  
e with 1718 digits, 710 terms, 367 units error, with last 3 digits in error, last digits are 3494283 should be 3494650.  
e with 1719 digits, 710 terms, 359 units error, with last 3 digits in error, last digits are 4946142 should be 4946501.  
e with 1720 digits, 710 terms, 357 units error, with last 4 digits in error, last digits are 9464657 should be 9465014.  
e with 1721 digits, 711 terms, 354 units error, with last 5 digits in error, last digits are 4649789 should be 4650143.  
e with 1722 digits, 711 terms, 363 units error, with last 3 digits in error, last digits are 6501071 should be 6501434.  
e with 1723 digits, 711 terms, 358 units error, with last 4 digits in error, last digits are 5013987 should be 5014345.  
e with 1724 digits, 712 terms, 359 units error, with last 3 digits in error, last digits are 143096 should be 143455.  
e with 1725 digits, 712 terms, 359 units error, with last 3 digits in error, last digits are 1434199 should be 1434558.  
e with 1726 digits, 712 terms, 374 units error, with last 3 digits in error, last digits are 4345214 should be 4345588.  
e with 1727 digits, 713 terms, 372 units error, with last 3 digits in error, last digits are 3455517 should be 3455889.  
e with 1728 digits, 713 terms, 363 units error, with last 3 digits in error, last digits are 4558534 should be 4558897.  
e with 1729 digits, 713 terms, 360 units error, with last 3 digits in error, last digits are 5588610 should be 5588970.

e with 1730 digits, 714 terms, 352 units error, with last 3 digits in error, last digits are 5889355 should be 5889707.  
e with 1731 digits, 714 terms, 367 units error, with last 4 digits in error, last digits are 8896704 should be 8897071.  
e with 1732 digits, 714 terms, 357 units error, with last 3 digits in error, last digits are 8970362 should be 8970719.  
e with 1733 digits, 715 terms, 356 units error, with last 4 digits in error, last digits are 9706838 should be 9707194.  
e with 1734 digits, 715 terms, 377 units error, with last 3 digits in error, last digits are 7071565 should be 7071942.  
e with 1735 digits, 716 terms, 365 units error, with last 3 digits in error, last digits are 719060 should be 719425.  
e with 1736 digits, 716 terms, 371 units error, with last 4 digits in error, last digits are 7193887 should be 7194258.  
e with 1737 digits, 716 terms, 355 units error, with last 3 digits in error, last digits are 1942231 should be 1942586.  
e with 1738 digits, 717 terms, 366 units error, with last 3 digits in error, last digits are 9425497 should be 9425863.  
e with 1739 digits, 717 terms, 372 units error, with last 3 digits in error, last digits are 4258267 should be 4258639.  
e with 1740 digits, 717 terms, 365 units error, with last 3 digits in error, last digits are 2586033 should be 2586398.  
e with 1741 digits, 718 terms, 358 units error, with last 3 digits in error, last digits are 5863629 should be 5863987.  
e with 1742 digits, 718 terms, 350 units error, with last 3 digits in error, last digits are 8639527 should be 8639877.  
e with 1743 digits, 718 terms, 363 units error, with last 3 digits in error, last digits are 6398409 should be 6398772.  
e with 1744 digits, 719 terms, 354 units error, with last 3 digits in error, last digits are 3987373 should be 3987727.  
e with 1745 digits, 719 terms, 362 units error, with last 4 digits in error, last digits are 9876913 should be 9877275.  
e with 1746 digits, 719 terms, 366 units error, with last 3 digits in error, last digits are 8772388 should be 8772754.  
e with 1747 digits, 720 terms, 357 units error, with last 3 digits in error, last digits are 7727190 should be 7727547.  
e with 1748 digits, 720 terms, 364 units error, with last 3 digits in error, last digits are 7275107 should be 7275471.  
e with 1749 digits, 720 terms, 350 units error, with last 3 digits in error, last digits are 2754360 should be 2754710.  
e with 1750 digits, 721 terms, 367 units error, with last 4 digits in error, last digits are 7546742 should be 7547109.  
e with 1751 digits, 721 terms, 361 units error, with last 4 digits in error, last digits are 5470735 should be 5471096.  
e with 1752 digits, 721 terms, 358 units error, with last 3 digits in error, last digits are 4710604 should be 4710962.  
e with 1753 digits, 722 terms, 357 units error, with last 3 digits in error, last digits are 7109272 should be 7109629.  
e with 1754 digits, 722 terms, 377 units error, with last 4 digits in error, last digits are 1095918 should be 1096295.  
e with 1755 digits, 723 terms, 369 units error, with last 3 digits in error, last digits are 962584 should be 962953.  
e with 1756 digits, 723 terms, 364 units error, with last 3 digits in error, last digits are 9629173 should be 9629537.  
e with 1757 digits, 723 terms, 358 units error, with last 3 digits in error, last digits are 6295016 should be 6295374.  
e with 1758 digits, 724 terms, 371 units error, with last 3 digits in error, last digits are 2953370 should be 2953741.  
e with 1759 digits, 724 terms, 358 units error, with last 3 digits in error, last digits are 9537057 should be 9537415.  
e with 1760 digits, 724 terms, 357 units error, with last 4 digits in error, last digits are 5373795 should be 5374152.  
e with 1761 digits, 725 terms, 357 units error, with last 3 digits in error, last digits are 3741164 should be 3741521.  
e with 1762 digits, 725 terms, 352 units error, with last 4 digits in error, last digits are 7414859 should be 7415211.  
e with 1763 digits, 725 terms, 356 units error, with last 4 digits in error, last digits are 4151755 should be 4152111.  
e with 1764 digits, 726 terms, 343 units error, with last 4 digits in error, last digits are 1520772 should be 1521115.  
e with 1765 digits, 726 terms, 354 units error, with last 4 digits in error, last digits are 5210797 should be 5211151.  
e with 1766 digits, 726 terms, 372 units error, with last 3 digits in error, last digits are 2111141 should be 2111513.  
e with 1767 digits, 727 terms, 364 units error, with last 4 digits in error, last digits are 1114772 should be 1115136.  
e with 1768 digits, 727 terms, 361 units error, with last 3 digits in error, last digits are 1151007 should be 1151368.  
e with 1769 digits, 727 terms, 365 units error, with last 3 digits in error, last digits are 1513318 should be 1513683.  
e with 1770 digits, 728 terms, 361 units error, with last 3 digits in error, last digits are 5136474 should be 5136835.  
e with 1771 digits, 728 terms, 352 units error, with last 4 digits in error, last digits are 1367998 should be 1368350.  
e with 1772 digits, 728 terms, 347 units error, with last 3 digits in error, last digits are 3683159 should be 3683506.  
e with 1773 digits, 729 terms, 359 units error, with last 4 digits in error, last digits are 6834703 should be 6835062.  
e with 1774 digits, 729 terms, 351 units error, with last 3 digits in error, last digits are 8350276 should be 8350627.  
e with 1775 digits, 729 terms, 357 units error, with last 4 digits in error, last digits are 3505918 should be 3506275.  
e with 1776 digits, 730 terms, 365 units error, with last 3 digits in error, last digits are 5062387 should be 5062752.  
e with 1777 digits, 730 terms, 362 units error, with last 3 digits in error, last digits are 627164 should be 627526.  
e with 1778 digits, 731 terms, 379 units error, with last 4 digits in error, last digits are 6274881 should be 6275260.  
e with 1779 digits, 731 terms, 359 units error, with last 3 digits in error, last digits are 2752243 should be 2752602.  
e with 1780 digits, 731 terms, 378 units error, with last 4 digits in error, last digits are 7525645 should be 7526023.  
e with 1781 digits, 732 terms, 382 units error, with last 5 digits in error, last digits are 5259850 should be 5260232.  
e with 1782 digits, 732 terms, 368 units error, with last 4 digits in error, last digits are 2601958 should be 2602326.  
e with 1783 digits, 732 terms, 377 units error, with last 4 digits in error, last digits are 6022887 should be 6023264.  
e with 1784 digits, 733 terms, 378 units error, with last 3 digits in error, last digits are 232270 should be 232648.  
e with 1785 digits, 733 terms, 387 units error, with last 3 digits in error, last digits are 2326097 should be 2326484.

e with 1786 digits, 733 terms, 366 units error, with last 3 digits in error, last digits are 3264481 should be 3264847.  
e with 1787 digits, 734 terms, 374 units error, with last 3 digits in error, last digits are 2648098 should be 2648472.  
e with 1788 digits, 734 terms, 365 units error, with last 3 digits in error, last digits are 6484363 should be 6484728.  
e with 1789 digits, 734 terms, 377 units error, with last 4 digits in error, last digits are 4846910 should be 4847287.  
e with 1790 digits, 735 terms, 366 units error, with last 3 digits in error, last digits are 8472504 should be 8472870.  
e with 1791 digits, 735 terms, 372 units error, with last 3 digits in error, last digits are 4728331 should be 4728703.  
e with 1792 digits, 735 terms, 367 units error, with last 4 digits in error, last digits are 7286672 should be 7287039.  
e with 1793 digits, 736 terms, 372 units error, with last 3 digits in error, last digits are 2870020 should be 2870392.  
e with 1794 digits, 736 terms, 367 units error, with last 3 digits in error, last digits are 8703553 should be 8703920.  
e with 1795 digits, 736 terms, 358 units error, with last 4 digits in error, last digits are 7038849 should be 7039207.  
e with 1796 digits, 737 terms, 369 units error, with last 4 digits in error, last digits are 391707 should be 392076.  
e with 1797 digits, 737 terms, 375 units error, with last 3 digits in error, last digits are 3920389 should be 3920764.  
e with 1798 digits, 738 terms, 360 units error, with last 3 digits in error, last digits are 9207283 should be 9207643.  
e with 1799 digits, 738 terms, 378 units error, with last 3 digits in error, last digits are 2076053 should be 2076431.  
e with 1800 digits, 738 terms, 380 units error, with last 4 digits in error, last digits are 763930 should be 764310.  
e with 1801 digits, 739 terms, 342 units error, with last 4 digits in error, last digits are 7642758 should be 7643100.  
e with 1802 digits, 739 terms, 365 units error, with last 4 digits in error, last digits are 6430640 should be 6431005.  
e with 1803 digits, 739 terms, 361 units error, with last 5 digits in error, last digits are 4309698 should be 4310059.  
e with 1804 digits, 740 terms, 375 units error, with last 3 digits in error, last digits are 3100220 should be 3100595.  
e with 1805 digits, 740 terms, 364 units error, with last 3 digits in error, last digits are 1005594 should be 1005958.  
e with 1806 digits, 740 terms, 363 units error, with last 3 digits in error, last digits are 59221 should be 59584.  
e with 1807 digits, 741 terms, 370 units error, with last 3 digits in error, last digits are 595471 should be 595841.  
e with 1808 digits, 741 terms, 374 units error, with last 3 digits in error, last digits are 5958037 should be 5958411.  
e with 1809 digits, 741 terms, 384 units error, with last 4 digits in error, last digits are 9583732 should be 9584116.  
e with 1810 digits, 742 terms, 379 units error, with last 4 digits in error, last digits are 5840787 should be 5841166.  
e with 1811 digits, 742 terms, 375 units error, with last 3 digits in error, last digits are 8411286 should be 8411661.  
e with 1812 digits, 742 terms, 371 units error, with last 3 digits in error, last digits are 4116241 should be 4116612.  
e with 1813 digits, 743 terms, 374 units error, with last 4 digits in error, last digits are 1165746 should be 1166120.  
e with 1814 digits, 743 terms, 371 units error, with last 4 digits in error, last digits are 1660834 should be 1661205.  
e with 1815 digits, 743 terms, 366 units error, with last 4 digits in error, last digits are 6611688 should be 6612054.  
e with 1816 digits, 744 terms, 387 units error, with last 3 digits in error, last digits are 6120158 should be 6120545.  
e with 1817 digits, 744 terms, 371 units error, with last 3 digits in error, last digits are 1205081 should be 1205452.  
e with 1818 digits, 744 terms, 376 units error, with last 3 digits in error, last digits are 2054153 should be 2054529.  
e with 1819 digits, 745 terms, 368 units error, with last 4 digits in error, last digits are 544929 should be 545297.  
e with 1820 digits, 745 terms, 373 units error, with last 3 digits in error, last digits are 5452597 should be 5452970.  
e with 1821 digits, 746 terms, 375 units error, with last 3 digits in error, last digits are 4529328 should be 4529703.  
e with 1822 digits, 746 terms, 368 units error, with last 4 digits in error, last digits are 5296662 should be 5297030.  
e with 1823 digits, 746 terms, 374 units error, with last 5 digits in error, last digits are 2969928 should be 2970302.  
e with 1824 digits, 747 terms, 367 units error, with last 4 digits in error, last digits are 9702656 should be 9703023.  
e with 1825 digits, 747 terms, 354 units error, with last 5 digits in error, last digits are 7029882 should be 7030236.  
e with 1826 digits, 747 terms, 376 units error, with last 4 digits in error, last digits are 301988 should be 302364.  
e with 1827 digits, 748 terms, 376 units error, with last 3 digits in error, last digits are 3023271 should be 3023647.  
e with 1828 digits, 748 terms, 381 units error, with last 3 digits in error, last digits are 236091 should be 236472.  
e with 1829 digits, 748 terms, 370 units error, with last 3 digits in error, last digits are 2364355 should be 2364725.  
e with 1830 digits, 749 terms, 364 units error, with last 4 digits in error, last digits are 3646890 should be 3647254.  
e with 1831 digits, 749 terms, 392 units error, with last 3 digits in error, last digits are 6472157 should be 6472549.  
e with 1832 digits, 749 terms, 360 units error, with last 3 digits in error, last digits are 4725132 should be 4725492.  
e with 1833 digits, 750 terms, 376 units error, with last 3 digits in error, last digits are 7254553 should be 7254929.  
e with 1834 digits, 750 terms, 383 units error, with last 4 digits in error, last digits are 2548913 should be 2549296.  
e with 1835 digits, 750 terms, 379 units error, with last 3 digits in error, last digits are 5492587 should be 5492966.  
e with 1836 digits, 751 terms, 388 units error, with last 3 digits in error, last digits are 4929278 should be 4929666.  
e with 1837 digits, 751 terms, 384 units error, with last 3 digits in error, last digits are 9296285 should be 9296669.  
e with 1838 digits, 751 terms, 364 units error, with last 3 digits in error, last digits are 2966329 should be 2966693.  
e with 1839 digits, 752 terms, 363 units error, with last 3 digits in error, last digits are 9666575 should be 9666938.  
e with 1840 digits, 752 terms, 383 units error, with last 4 digits in error, last digits are 6668998 should be 6669381.  
e with 1841 digits, 752 terms, 379 units error, with last 3 digits in error, last digits are 6693432 should be 6693811.

e with 1842 digits, 753 terms, 369 units error, with last 4 digits in error, last digits are 6937746 should be 6938115.  
e with 1843 digits, 753 terms, 377 units error, with last 4 digits in error, last digits are 9380774 should be 9381151.  
e with 1844 digits, 754 terms, 377 units error, with last 3 digits in error, last digits are 3811136 should be 3811513.  
e with 1845 digits, 754 terms, 369 units error, with last 4 digits in error, last digits are 8114768 should be 8115137.  
e with 1846 digits, 754 terms, 376 units error, with last 4 digits in error, last digits are 1150997 should be 1151373.  
e with 1847 digits, 755 terms, 364 units error, with last 3 digits in error, last digits are 1513368 should be 1513732.  
e with 1848 digits, 755 terms, 373 units error, with last 4 digits in error, last digits are 5136949 should be 5137322.  
e with 1849 digits, 755 terms, 370 units error, with last 4 digits in error, last digits are 1372857 should be 1373227.  
e with 1850 digits, 756 terms, 372 units error, with last 4 digits in error, last digits are 3731903 should be 3732275.  
e with 1851 digits, 756 terms, 372 units error, with last 3 digits in error, last digits are 7322381 should be 7322753.  
e with 1852 digits, 756 terms, 387 units error, with last 3 digits in error, last digits are 3227149 should be 3227536.  
e with 1853 digits, 757 terms, 374 units error, with last 4 digits in error, last digits are 2274990 should be 2275364.  
e with 1854 digits, 757 terms, 381 units error, with last 3 digits in error, last digits are 2753264 should be 2753645.  
e with 1855 digits, 757 terms, 382 units error, with last 3 digits in error, last digits are 7536068 should be 7536450.  
e with 1856 digits, 758 terms, 371 units error, with last 3 digits in error, last digits are 5364138 should be 5364509.  
e with 1857 digits, 758 terms, 392 units error, with last 4 digits in error, last digits are 3644706 should be 3645098.  
e with 1858 digits, 758 terms, 377 units error, with last 3 digits in error, last digits are 6450611 should be 6450988.  
e with 1859 digits, 759 terms, 387 units error, with last 3 digits in error, last digits are 4509501 should be 4509888.  
e with 1860 digits, 759 terms, 385 units error, with last 3 digits in error, last digits are 5098504 should be 5098889.  
e with 1861 digits, 759 terms, 378 units error, with last 3 digits in error, last digits are 988512 should be 988890.  
e with 1862 digits, 760 terms, 367 units error, with last 3 digits in error, last digits are 9888536 should be 9888903.  
e with 1863 digits, 760 terms, 384 units error, with last 4 digits in error, last digits are 8888647 should be 8889031.  
e with 1864 digits, 760 terms, 393 units error, with last 5 digits in error, last digits are 8889920 should be 8890313.  
e with 1865 digits, 761 terms, 388 units error, with last 4 digits in error, last digits are 8902748 should be 8903136.  
e with 1866 digits, 761 terms, 380 units error, with last 4 digits in error, last digits are 9030980 should be 9031360.  
e with 1867 digits, 762 terms, 381 units error, with last 3 digits in error, last digits are 313221 should be 313602.  
e with 1868 digits, 762 terms, 370 units error, with last 4 digits in error, last digits are 3135650 should be 3136020.  
e with 1869 digits, 762 terms, 381 units error, with last 5 digits in error, last digits are 1359824 should be 1360205.  
e with 1870 digits, 763 terms, 384 units error, with last 4 digits in error, last digits are 3601673 should be 3602057.  
e with 1871 digits, 763 terms, 378 units error, with last 3 digits in error, last digits are 6020194 should be 6020572.  
e with 1872 digits, 763 terms, 380 units error, with last 3 digits in error, last digits are 205344 should be 205724.  
e with 1873 digits, 764 terms, 373 units error, with last 4 digits in error, last digits are 2056875 should be 2057248.  
e with 1874 digits, 764 terms, 378 units error, with last 3 digits in error, last digits are 572103 should be 572481.  
e with 1875 digits, 764 terms, 386 units error, with last 3 digits in error, last digits are 5724431 should be 5724817.  
e with 1876 digits, 765 terms, 377 units error, with last 4 digits in error, last digits are 7247799 should be 7248176.  
e with 1877 digits, 765 terms, 382 units error, with last 3 digits in error, last digits are 2481383 should be 2481765.  
e with 1878 digits, 765 terms, 374 units error, with last 3 digits in error, last digits are 4817284 should be 4817658.  
e with 1879 digits, 766 terms, 383 units error, with last 3 digits in error, last digits are 8176202 should be 8176585.  
e with 1880 digits, 766 terms, 386 units error, with last 3 digits in error, last digits are 1765465 should be 1765851.  
e with 1881 digits, 766 terms, 386 units error, with last 3 digits in error, last digits are 7658125 should be 7658511.  
e with 1882 digits, 767 terms, 381 units error, with last 4 digits in error, last digits are 6584737 should be 6585118.  
e with 1883 digits, 767 terms, 380 units error, with last 4 digits in error, last digits are 5850800 should be 5851180.  
e with 1884 digits, 767 terms, 388 units error, with last 3 digits in error, last digits are 8511418 should be 8511806.  
e with 1885 digits, 768 terms, 387 units error, with last 4 digits in error, last digits are 5117676 should be 5118063.  
e with 1886 digits, 768 terms, 378 units error, with last 3 digits in error, last digits are 1180252 should be 1180630.  
e with 1887 digits, 768 terms, 386 units error, with last 4 digits in error, last digits are 1805917 should be 1806303.  
e with 1888 digits, 769 terms, 385 units error, with last 4 digits in error, last digits are 8062651 should be 8063036.  
e with 1889 digits, 769 terms, 393 units error, with last 5 digits in error, last digits are 629971 should be 630364.  
e with 1890 digits, 769 terms, 387 units error, with last 3 digits in error, last digits are 6303257 should be 6303644.  
e with 1891 digits, 770 terms, 371 units error, with last 3 digits in error, last digits are 3036071 should be 3036442.  
e with 1892 digits, 770 terms, 387 units error, with last 3 digits in error, last digits are 364041 should be 364428.  
e with 1893 digits, 771 terms, 406 units error, with last 4 digits in error, last digits are 3643875 should be 3644281.  
e with 1894 digits, 771 terms, 387 units error, with last 3 digits in error, last digits are 6442425 should be 6442812.  
e with 1895 digits, 771 terms, 382 units error, with last 4 digits in error, last digits are 4427741 should be 4428123.  
e with 1896 digits, 772 terms, 394 units error, with last 4 digits in error, last digits are 4280837 should be 4281231.  
e with 1897 digits, 772 terms, 378 units error, with last 4 digits in error, last digits are 2811936 should be 2812314.

e with 1898 digits, 772 terms, 389 units error, with last 4 digits in error, last digits are 8122760 should be 8123149.  
e with 1899 digits, 773 terms, 372 units error, with last 3 digits in error, last digits are 1231124 should be 1231496.  
e with 1900 digits, 773 terms, 387 units error, with last 3 digits in error, last digits are 2314578 should be 2314965.  
e with 1901 digits, 773 terms, 386 units error, with last 3 digits in error, last digits are 3149269 should be 3149655.  
e with 1902 digits, 774 terms, 385 units error, with last 3 digits in error, last digits are 1496165 should be 1496550.  
e with 1903 digits, 774 terms, 384 units error, with last 3 digits in error, last digits are 4965123 should be 4965507.  
e with 1904 digits, 774 terms, 391 units error, with last 4 digits in error, last digits are 9654679 should be 9655070.  
e with 1905 digits, 775 terms, 387 units error, with last 3 digits in error, last digits are 6550317 should be 6550704.  
e with 1906 digits, 775 terms, 392 units error, with last 4 digits in error, last digits are 5506655 should be 5507047.  
e with 1907 digits, 775 terms, 387 units error, with last 3 digits in error, last digits are 5070088 should be 5070475.  
e with 1908 digits, 776 terms, 399 units error, with last 3 digits in error, last digits are 704352 should be 704751.  
e with 1909 digits, 776 terms, 378 units error, with last 3 digits in error, last digits are 7047132 should be 7047510.  
e with 1910 digits, 776 terms, 394 units error, with last 4 digits in error, last digits are 474708 should be 475102.  
e with 1911 digits, 777 terms, 395 units error, with last 4 digits in error, last digits are 4750630 should be 4751025.  
e with 1912 digits, 777 terms, 411 units error, with last 5 digits in error, last digits are 7509843 should be 7510254.  
e with 1913 digits, 777 terms, 386 units error, with last 3 digits in error, last digits are 5102158 should be 5102544.  
e with 1914 digits, 778 terms, 378 units error, with last 3 digits in error, last digits are 1025068 should be 1025446.  
e with 1915 digits, 778 terms, 386 units error, with last 3 digits in error, last digits are 254079 should be 254465.  
e with 1916 digits, 778 terms, 393 units error, with last 3 digits in error, last digits are 2544257 should be 2544650.  
e with 1917 digits, 779 terms, 394 units error, with last 3 digits in error, last digits are 5446107 should be 5446501.  
e with 1918 digits, 779 terms, 387 units error, with last 4 digits in error, last digits are 4464624 should be 4465011.  
e with 1919 digits, 780 terms, 385 units error, with last 5 digits in error, last digits are 4649732 should be 4650117.  
e with 1920 digits, 780 terms, 385 units error, with last 4 digits in error, last digits are 6500787 should be 6501172.  
e with 1921 digits, 780 terms, 387 units error, with last 3 digits in error, last digits are 5011340 should be 5011727.  
e with 1922 digits, 781 terms, 389 units error, with last 4 digits in error, last digits are 116883 should be 117272.  
e with 1923 digits, 781 terms, 401 units error, with last 3 digits in error, last digits are 1172320 should be 1172721.  
e with 1924 digits, 781 terms, 388 units error, with last 4 digits in error, last digits are 1726823 should be 1727211.  
e with 1925 digits, 782 terms, 386 units error, with last 4 digits in error, last digits are 7271729 should be 7272115.  
e with 1926 digits, 782 terms, 383 units error, with last 4 digits in error, last digits are 2720772 should be 2721155.  
e with 1927 digits, 782 terms, 397 units error, with last 3 digits in error, last digits are 7211158 should be 7211555.  
e with 1928 digits, 783 terms, 396 units error, with last 3 digits in error, last digits are 2115155 should be 2115551.  
e with 1929 digits, 783 terms, 406 units error, with last 3 digits in error, last digits are 1155113 should be 1155519.  
e with 1930 digits, 783 terms, 392 units error, with last 4 digits in error, last digits are 1554802 should be 1555194.  
e with 1931 digits, 784 terms, 383 units error, with last 3 digits in error, last digits are 5551565 should be 5551948.  
e with 1932 digits, 784 terms, 383 units error, with last 3 digits in error, last digits are 5519103 should be 5519486.  
e with 1933 digits, 784 terms, 398 units error, with last 3 digits in error, last digits are 5194468 should be 5194866.  
e with 1934 digits, 785 terms, 395 units error, with last 3 digits in error, last digits are 1948273 should be 1948668.  
e with 1935 digits, 785 terms, 390 units error, with last 3 digits in error, last digits are 9486295 should be 9486685.  
e with 1936 digits, 785 terms, 409 units error, with last 3 digits in error, last digits are 4866441 should be 4866850.  
e with 1937 digits, 786 terms, 387 units error, with last 3 digits in error, last digits are 8668121 should be 8668508.  
e with 1938 digits, 786 terms, 394 units error, with last 4 digits in error, last digits are 6684686 should be 6685080.  
e with 1939 digits, 786 terms, 383 units error, with last 3 digits in error, last digits are 6850417 should be 6850800.  
e with 1940 digits, 787 terms, 393 units error, with last 4 digits in error, last digits are 8507610 should be 8508003.  
e with 1941 digits, 787 terms, 404 units error, with last 5 digits in error, last digits are 5079632 should be 5080036.  
e with 1942 digits, 787 terms, 395 units error, with last 6 digits in error, last digits are 799973 should be 800368.  
e with 1943 digits, 788 terms, 398 units error, with last 3 digits in error, last digits are 8003287 should be 8003685.  
e with 1944 digits, 788 terms, 385 units error, with last 3 digits in error, last digits are 36468 should be 36853.  
e with 1945 digits, 789 terms, 392 units error, with last 3 digits in error, last digits are 368140 should be 368532.  
e with 1946 digits, 789 terms, 393 units error, with last 4 digits in error, last digits are 3684929 should be 3685322.  
e with 1947 digits, 789 terms, 390 units error, with last 4 digits in error, last digits are 6852838 should be 6853228.  
e with 1948 digits, 790 terms, 399 units error, with last 4 digits in error, last digits are 8531882 should be 8532281.  
e with 1949 digits, 790 terms, 400 units error, with last 3 digits in error, last digits are 5322418 should be 5322818.  
e with 1950 digits, 790 terms, 405 units error, with last 4 digits in error, last digits are 3227778 should be 3228183.  
e with 1951 digits, 791 terms, 405 units error, with last 3 digits in error, last digits are 2281426 should be 2281831.  
e with 1952 digits, 791 terms, 397 units error, with last 4 digits in error, last digits are 2817918 should be 2818315.  
e with 1953 digits, 791 terms, 410 units error, with last 4 digits in error, last digits are 8182742 should be 8183152.

e with 1954 digits, 792 terms, 371 units error, with last 3 digits in error, last digits are 1831150 should be 1831521.  
e with 1955 digits, 792 terms, 391 units error, with last 4 digits in error, last digits are 8314828 should be 8315219.  
e with 1956 digits, 792 terms, 394 units error, with last 4 digits in error, last digits are 3151802 should be 3152196.  
e with 1957 digits, 793 terms, 405 units error, with last 3 digits in error, last digits are 1521555 should be 1521960.  
e with 1958 digits, 793 terms, 381 units error, with last 3 digits in error, last digits are 5219219 should be 5219600.  
e with 1959 digits, 793 terms, 397 units error, with last 4 digits in error, last digits are 2195606 should be 2196003.  
e with 1960 digits, 794 terms, 397 units error, with last 5 digits in error, last digits are 1959640 should be 1960037.  
e with 1961 digits, 794 terms, 416 units error, with last 6 digits in error, last digits are 9599957 should be 9600373.  
e with 1962 digits, 794 terms, 387 units error, with last 3 digits in error, last digits are 6003348 should be 6003735.  
e with 1963 digits, 795 terms, 388 units error, with last 4 digits in error, last digits are 36968 should be 37356.  
e with 1964 digits, 795 terms, 409 units error, with last 3 digits in error, last digits are 373153 should be 373562.  
e with 1965 digits, 795 terms, 407 units error, with last 3 digits in error, last digits are 3735218 should be 3735625.  
e with 1966 digits, 796 terms, 390 units error, with last 4 digits in error, last digits are 7355862 should be 7356252.  
e with 1967 digits, 796 terms, 404 units error, with last 3 digits in error, last digits are 3562123 should be 3562527.  
e with 1968 digits, 796 terms, 397 units error, with last 4 digits in error, last digits are 5624882 should be 5625279.  
e with 1969 digits, 797 terms, 386 units error, with last 3 digits in error, last digits are 6252408 should be 6252794.  
e with 1970 digits, 797 terms, 398 units error, with last 3 digits in error, last digits are 2527546 should be 2527944.  
e with 1971 digits, 797 terms, 399 units error, with last 3 digits in error, last digits are 5279050 should be 5279449.  
e with 1972 digits, 798 terms, 403 units error, with last 3 digits in error, last digits are 2794092 should be 2794495.  
e with 1973 digits, 798 terms, 397 units error, with last 3 digits in error, last digits are 7944554 should be 7944951.  
e with 1974 digits, 799 terms, 395 units error, with last 3 digits in error, last digits are 9449120 should be 9449515.  
e with 1975 digits, 799 terms, 388 units error, with last 4 digits in error, last digits are 4494770 should be 4495158.  
e with 1976 digits, 799 terms, 394 units error, with last 3 digits in error, last digits are 4951188 should be 4951582.  
e with 1977 digits, 800 terms, 404 units error, with last 3 digits in error, last digits are 9515424 should be 9515828.  
e with 1978 digits, 800 terms, 395 units error, with last 4 digits in error, last digits are 5157889 should be 5158284.  
e with 1979 digits, 800 terms, 399 units error, with last 3 digits in error, last digits are 1582442 should be 1582841.  
e with 1980 digits, 801 terms, 408 units error, with last 3 digits in error, last digits are 5828010 should be 5828418.  
e with 1981 digits, 801 terms, 395 units error, with last 4 digits in error, last digits are 8283793 should be 8284188.  
e with 1982 digits, 801 terms, 408 units error, with last 3 digits in error, last digits are 2841474 should be 2841882.  
e with 1983 digits, 802 terms, 400 units error, with last 3 digits in error, last digits are 8418429 should be 8418829.  
e with 1984 digits, 802 terms, 398 units error, with last 4 digits in error, last digits are 4187896 should be 4188294.  
e with 1985 digits, 802 terms, 403 units error, with last 3 digits in error, last digits are 1882544 should be 1882947.  
e with 1986 digits, 803 terms, 406 units error, with last 3 digits in error, last digits are 8829072 should be 8829478.  
e with 1987 digits, 803 terms, 396 units error, with last 3 digits in error, last digits are 8294391 should be 8294787.  
e with 1988 digits, 803 terms, 401 units error, with last 3 digits in error, last digits are 2947475 should be 2947876.  
e with 1989 digits, 804 terms, 397 units error, with last 3 digits in error, last digits are 9478364 should be 9478761.  
e with 1990 digits, 804 terms, 407 units error, with last 3 digits in error, last digits are 4787203 should be 4787610.  
e with 1991 digits, 804 terms, 410 units error, with last 4 digits in error, last digits are 7875698 should be 7876108.  
e with 1992 digits, 805 terms, 389 units error, with last 4 digits in error, last digits are 8760696 should be 8761085.  
e with 1993 digits, 805 terms, 388 units error, with last 3 digits in error, last digits are 7610464 should be 7610852.  
e with 1994 digits, 805 terms, 389 units error, with last 3 digits in error, last digits are 6108137 should be 6108526.  
e with 1995 digits, 806 terms, 398 units error, with last 4 digits in error, last digits are 1084865 should be 1085263.  
e with 1996 digits, 806 terms, 403 units error, with last 3 digits in error, last digits are 852236 should be 852639.  
e with 1997 digits, 806 terms, 418 units error, with last 4 digits in error, last digits are 8525980 should be 8526398.  
e with 1998 digits, 807 terms, 399 units error, with last 3 digits in error, last digits are 5263582 should be 5263981.  
e with 1999 digits, 807 terms, 396 units error, with last 3 digits in error, last digits are 2639417 should be 2639813.  
e with 2000 digits, 807 terms, 411 units error, with last 4 digits in error, last digits are 6397728 should be 6398139.  
e with 2001 digits, 808 terms, 405 units error, with last 4 digits in error, last digits are 3980990 should be 3981395.  
e with 2002 digits, 808 terms, 419 units error, with last 3 digits in error, last digits are 9813536 should be 9813955.  
e with 2003 digits, 808 terms, 404 units error, with last 3 digits in error, last digits are 8139155 should be 8139559.  
e with 2004 digits, 809 terms, 403 units error, with last 3 digits in error, last digits are 1395196 should be 1395599.  
e with 2005 digits, 809 terms, 403 units error, with last 3 digits in error, last digits are 3955587 should be 3955990.  
e with 2006 digits, 810 terms, 401 units error, with last 3 digits in error, last digits are 9559499 should be 9559900.  
e with 2007 digits, 810 terms, 417 units error, with last 4 digits in error, last digits are 5598589 should be 5599006.  
e with 2008 digits, 810 terms, 399 units error, with last 5 digits in error, last digits are 5989668 should be 5990067.  
e with 2009 digits, 811 terms, 395 units error, with last 3 digits in error, last digits are 9900278 should be 9900673.

e with 2010 digits, 811 terms, 391 units error, with last 3 digits in error, last digits are 9006346 should be 9006737.  
e with 2011 digits, 811 terms, 391 units error, with last 4 digits in error, last digits are 66985 should be 67376.  
e with 2012 digits, 812 terms, 408 units error, with last 3 digits in error, last digits are 673356 should be 673764.  
e with 2013 digits, 812 terms, 398 units error, with last 3 digits in error, last digits are 6737250 should be 6737648.  
e with 2014 digits, 812 terms, 415 units error, with last 3 digits in error, last digits are 7376067 should be 7376482.  
e with 2015 digits, 813 terms, 395 units error, with last 3 digits in error, last digits are 3764434 should be 3764829.  
e with 2016 digits, 813 terms, 415 units error, with last 4 digits in error, last digits are 7647877 should be 7648292.  
e with 2017 digits, 813 terms, 421 units error, with last 3 digits in error, last digits are 6482501 should be 6482922.  
e with 2018 digits, 814 terms, 410 units error, with last 4 digits in error, last digits are 4828814 should be 4829224.  
e with 2019 digits, 814 terms, 395 units error, with last 4 digits in error, last digits are 8291849 should be 8292244.  
e with 2020 digits, 814 terms, 417 units error, with last 3 digits in error, last digits are 2922026 should be 2922443.  
e with 2021 digits, 815 terms, 420 units error, with last 3 digits in error, last digits are 9224017 should be 9224437.  
e with 2022 digits, 815 terms, 407 units error, with last 4 digits in error, last digits are 2243968 should be 2244375.  
e with 2023 digits, 815 terms, 405 units error, with last 3 digits in error, last digits are 2443347 should be 2443752.  
e with 2024 digits, 816 terms, 410 units error, with last 3 digits in error, last digits are 4437118 should be 4437528.  
e with 2025 digits, 816 terms, 405 units error, with last 4 digits in error, last digits are 4374882 should be 4375287.  
e with 2026 digits, 816 terms, 406 units error, with last 3 digits in error, last digits are 3752465 should be 3752871.  
e with 2027 digits, 817 terms, 416 units error, with last 3 digits in error, last digits are 7528302 should be 7528718.  
e with 2028 digits, 817 terms, 406 units error, with last 4 digits in error, last digits are 5286778 should be 5287184.  
e with 2029 digits, 817 terms, 400 units error, with last 3 digits in error, last digits are 2871446 should be 2871846.  
e with 2030 digits, 818 terms, 403 units error, with last 3 digits in error, last digits are 8718059 should be 8718462.  
e with 2031 digits, 818 terms, 416 units error, with last 3 digits in error, last digits are 7184208 should be 7184624.  
e with 2032 digits, 818 terms, 413 units error, with last 4 digits in error, last digits are 1845832 should be 1846245.  
e with 2033 digits, 819 terms, 408 units error, with last 3 digits in error, last digits are 8462049 should be 8462457.  
e with 2034 digits, 819 terms, 407 units error, with last 3 digits in error, last digits are 4624171 should be 4624578.  
e with 2035 digits, 819 terms, 411 units error, with last 3 digits in error, last digits are 6245369 should be 6245780.  
e with 2036 digits, 820 terms, 409 units error, with last 3 digits in error, last digits are 2457394 should be 2457803.  
e with 2037 digits, 820 terms, 402 units error, with last 4 digits in error, last digits are 4577634 should be 4578036.  
e with 2038 digits, 821 terms, 417 units error, with last 5 digits in error, last digits are 5779944 should be 5780361.  
e with 2039 digits, 821 terms, 431 units error, with last 3 digits in error, last digits are 7803188 should be 7803619.  
e with 2040 digits, 821 terms, 432 units error, with last 4 digits in error, last digits are 8035760 should be 8036192.  
e with 2041 digits, 822 terms, 410 units error, with last 3 digits in error, last digits are 361519 should be 361929.  
e with 2042 digits, 822 terms, 409 units error, with last 4 digits in error, last digits are 3618889 should be 3619298.  
e with 2043 digits, 822 terms, 417 units error, with last 3 digits in error, last digits are 6192564 should be 6192981.  
e with 2044 digits, 823 terms, 411 units error, with last 3 digits in error, last digits are 1929408 should be 1929819.  
e with 2045 digits, 823 terms, 409 units error, with last 4 digits in error, last digits are 9297788 should be 9298197.  
e with 2046 digits, 823 terms, 404 units error, with last 3 digits in error, last digits are 2981567 should be 2981971.  
e with 2047 digits, 824 terms, 407 units error, with last 3 digits in error, last digits are 9819306 should be 9819713.  
e with 2048 digits, 824 terms, 409 units error, with last 4 digits in error, last digits are 8196730 should be 8197139.  
e with 2049 digits, 824 terms, 416 units error, with last 4 digits in error, last digits are 1970983 should be 1971399.  
e with 2050 digits, 825 terms, 411 units error, with last 3 digits in error, last digits are 9713580 should be 9713991.