

## Reciprocals of odd integers 3 through 1015

This is a collection of reciprocals of the odd numbers 3 through 1015; I have placed {} around the repeating digits. The even number will be the same as the number divided by 2 as in  $1/6$  use  $1/3$  which is  $.33333$  and  $.33333/2 = .16666$  and there still is only one digit repeat just as in  $1/3$ . When you divide integer into 1 the max repeating digits will be one less than the number as in  $1/7$  there are only 6 possible outcomes for the remainder 0 through 6. If the remainder is 0 the division ends it is an exact value as in 5, 25, 125 and 625. If the remainder is a one the sequence starts over as in all the cases where the line ends with an "r=1" because the remainder was a 1 just as the start. For any other value either the division continues until you note a repeat in the numbers or you missed it and you can quit after reaching 1 less division. As an example the number 7 has a value of  $0.\{142857\}$  where the  $\{142857\}$  keeps on repeating. Powers of a base number have very little connection also for example 3 has a repeat of all 3's, while 9 has a repeat of all 1's, 27 on the other hand as 037 as a repeat and 81 has "012345679" as a repeating sequence and 243 has 27 repeating digits and  $1/729 =$  has 81 repeating digits.

For the fractions that do not end with "r=1" I had to do the rest by hand from the N first digits just in case the repeat was the full N-1 digits, none of this sequence did. Prime numbers will produce a full N-1 sequence like 7, 17 and 19 while 3, 5, 11 and 13 did not. If the number is a multiple of 5 you drop the first or more "0's" for the repeating digits, the exceptions are 5, 25 125 and 625 which are exact values. Once over 100 if the last two digits are 25 or 75 you drop the first "00". As an example 15 just repeats the "6" and 175 repeats the "571428". Of the numbers under 1000 the prime number 983 has 982 repeating digits, while the prime number 999983 has 999982 repeating digits. The number at the end line is the number of times the repeating digits divides into the one less than the test number as in 53 there are 13 repeating digits which gives  $(53-1)/13$  is 4 hence the "One / 4". Of the entire prime numbers test this rule has never failed. Plus some other numbers does work while most none primes do not.

The following prime numbers all have the max numbers of repeating numbers not all prime numbers will produce : 7, 17, 19, 23, 29, 47, 59, 61, 97, 109, 113, 131, 149, 167, 179, 181, 193, 223, 229, 233, 257, 263, 269, 313, 337, 367, 379, 383, 389, 419, 433, 461, 487, 491, 499, 503, 509, 541, 571, 577, 593, 619, 647, 659, 701, 709, 727, 743, 811, 821, 823, 857, 863, 887, 937, 941, 953, 971, 977, 983, 1019, 1021, 1033, 1051, 1063, 1069, 1087, 1091, 1097, 1103, 1109, 1153, 1171, 1181, 1193, 1217, 1223, 1229, 1259, 1291, 1297, 1301, 1303, 1327, 1367, 1381, 1429, 1433, 1447, 1487, 1531, 1543, 1549, 1553, 1567, 1571, 1579, 1583, 1607, 1619, 1621, 1663, 1697, 1709, 1741, 1777, 1783, 1789, 1811, 1823, 1847, 1861, 1873, 1913, 1949, 1979, 2017, 2029, 2063, 2069, 2099, 2113, 2137, 2141, 2143, 2153, 2179, 2207, 2221, 2251, 2269, 2273, 2297, 2309, 2339, 2341, 2371, 2383, 2389, 2411, 2417, 2423, 2447, 2459, 2473, 2539, 2543, 2549, 2579, 2593, 2617, 2621, 2633, 2657, 2663, 2687, 2699, 2713, 2731, 2741, 2753, 2767, 2777, 2789, 2819, 2833, 2851, 2861, 2887, 2897, 2903, 2909, 2927, 2939, 2971, 3011, 3019, 3023, 3137, 3167, 3221, 3251, 3257 and 3259.

The numbers 3, 9, 15, 45, 75, 225, 375 and 1125 are the numbers who have only a one digit repeating. Starting with 3 and 9 then multiply each by 5 getting 15 and 45, now multiplying by another 5 getting 75 and 225.

$1/3 = 0.\{3\}$  1 repeating digits  $r=1$  One/ 2  
 $1/5 = 0.2$  Exact value  
 $1/7 = 0.\{142857\}$  6 repeating digits  $r=1$  One/ 1  
 $1/9 = 0.\{1\}$  1 repeating digits  $r=1$  One/ 8  
 $1/11 = 0.\{09\}$  2 repeating digits  $r=1$  One/ 5  
 $1/13 = 0.\{076923\}$  6 repeating digits  $r=1$  One/ 2  
 $1/15 = 0.0\{6\}$  1 repeating digits  $r=-1$  do not use first 1 digits One/ 14  
 $1/17 = 0.\{0588235294117647\}$  16 repeating digits  $r=1$  One/ 1  
 $1/19 = 0.\{052631578947368421\}$  18 repeating digits  $r=1$  One/ 1  
 $1/21 = 0.\{047619\}$  6 repeating digits  $r=1$   
 $1/23 = 0.\{0434782608695652173913\}$  22 repeating digits  $r=1$  One/ 1  
 $1/25 = 0.04$  Exact value  
 $1/27 = 0.\{037\}$  3 repeating digits  $r=1$   
 $1/29 = 0.\{0344827586206896551724137931\}$  28 repeating digits  $r=1$  One/ 1  
 $1/31 = 0.\{032258064516129\}$  15 repeating digits  $r=1$  One/ 2  
 $1/33 = 0.\{03\}$  2 repeating digits  $r=1$  One/ 16  
 $1/35 = 0.0\{285714\}$  6 repeating digits  $r=-1$  do not use first 1 digits  
 $1/37 = 0.\{027\}$  3 repeating digits  $r=1$  One/ 12  
 $1/39 = 0.\{025641\}$  6 repeating digits  $r=1$   
 $1/41 = 0.\{02439\}$  5 repeating digits  $r=1$  One/ 8  
 $1/43 = 0.\{023255813953488372093\}$  21 repeating digits  $r=1$  One/ 2  
 $1/45 = 0.0\{2\}$  1 repeating digits  $r=-1$  do not use first 1 digits One/ 44  
 $1/47 = 0.\{0212765957446808510638297872340425531914893617\}$  46 repeating digits  $r=1$  One/ 1  
 $1/49 = 0.\{020408163265306122448979591836734693877551\}$  42 repeating digits  $r=1$   
 $1/51 = 0.\{0196078431372549\}$  16 repeating digits  $r=1$   
 $1/53 = 0.\{0188679245283\}$  13 repeating digits  $r=1$  One/ 4  
 $1/55 = 0.0\{18\}$  2 repeating digits  $r=-1$  do not use first 1 digits One/ 27  
 $1/57 = 0.\{017543859649122807\}$  18 repeating digits  $r=1$   
 $1/59 = 0.\{0169491525423728813559322033898305084745762711864406779661\}$  58 repeating digits  $r=1$   
 $1/61 = 0.\{016393442622950819672131147540983606557377049180327868852459\}$  60 repeating digits  $r=1$   
 $1/63 = 0.\{015873\}$  6 repeating digits  $r=1$   
 $1/65 = 0.0\{153846\}$  6 repeating digits  $r=-1$  do not use first 1 digits  
 $1/67 = 0.\{014925373134328358208955223880597\}$  33 repeating digits  $r=1$  One/ 2  
 $1/69 = 0.\{0144927536231884057971\}$  22 repeating digits  $r=1$   
 $1/71 = 0.\{01408450704225352112676056338028169\}$  35 repeating digits  $r=1$  One/ 2  
 $1/73 = 0.\{01369863\}$  8 repeating digits  $r=1$  One/ 9  
 $1/75 = 0.01\{3\}$  1 repeating digits  $r=-1$  do not use first 2 digits One/ 74  
 $1/77 = 0.\{012987\}$  6 repeating digits  $r=1$   
 $1/79 = 0.\{0126582278481\}$  13 repeating digits  $r=1$  One/ 6  
 $1/81 = 0.\{012345679\}$  9 repeating digits  $r=1$   
 $1/83 = 0.\{01204819277108433734939759036144578313253\}$  41 repeating digits  $r=1$  One/ 2  
 $1/85 = 0.0\{1176470588235294\}$  16 repeating digits  $r=-1$  do not use first 1 digits  
 $1/87 = 0.\{0114942528735632183908045977\}$  28 repeating digits  $r=1$   
 $1/89 = 0.\{01123595505617977528089887640449438202247191\}$  44 repeating digits  $r=1$  One/ 2  
 $1/91 = 0.\{010989\}$  6 repeating digits  $r=1$  One/ 15  
 $1/93 = 0.\{010752688172043\}$  15 repeating digits  $r=1$   
 $1/95 = 0.0\{105263157894736842\}$  18 repeating digits  $r=-1$  do not use first 1 digits

$$1/97 = 0.$$

{010309278350515463917525773195876288659793814432989690721649484536082474226804123711340206185567} 96 repeating digits r=1 One/ 1

$$1/99 = 0.\{01\} 2 \text{ repeating digits } r=1 \text{ One/ } 49$$

$$1/101 = 0.\{0099\} 4 \text{ repeating digits } r=1 \text{ One/ } 25$$

$$1/103 = 0.\{0097087378640776699029126213592233\} 34 \text{ repeating digits } r=1 \text{ One/ } 3$$

$$1/105 = 0.0\{095238\} 6 \text{ repeating digits } r=-1 \text{ do not use first 1 digits}$$

$$1/107 = 0.\{00934579439252336448598130841121495327102803738317757\} 53 \text{ repeating digits } r=1 \text{ One/ } 2$$

$$1/109 = 0.$$

{00917431192660550458715596330275229357798165137614678899082568807339449541284403669724706422018348623853211} 108 repeating digits r=1 One/ 1

$$1/111 = 0.\{009\} 3 \text{ repeating digits } r=1$$

$$1/113 = 0.$$

{0088495575221238938053097345132743362831858407079646017699115044247787610619469026548672566371681415929203539823} 112 repeating digits r=1 One/ 1

$$1/115 = 0.0\{0869565217391304347826\} 22 \text{ repeating digits } r=-1 \text{ do not use first 1 digits}$$

$$1/117 = 0.\{008547\} 6 \text{ repeating digits } r=1$$

$$1/119 = 0.\{008403361344537815126050420168067226890756302521\} 48 \text{ repeating digits } r=1$$

$$1/121 = 0.\{0082644628099173553719\} 22 \text{ repeating digits } r=1$$

$$1/123 = 0.\{00813\} 5 \text{ repeating digits } r=1$$

$$1/125 = 0.008 \text{ Exact value}$$

$$1/127 = 0.\{007874015748031496062992125984251968503937\} 42 \text{ repeating digits } r=1 \text{ One/ } 3$$

$$1/129 = 0.\{007751937984496124031\} 21 \text{ repeating digits } r=1$$

$$1/131 = 0.$$

{0076335877862595419847328244274809160305343511450381679389312977099236641221374045801526717557251908396946564885496183206106870229} 130 repeating digits r=1 One/ 1

$$1/133 = 0.\{007518796992481203\} 18 \text{ repeating digits } r=1$$

$$1/135 = 0.0\{074\} 3 \text{ repeating digits } r=-1 \text{ do not use first 1 digits}$$

$$1/137 = 0.\{00729927\} 8 \text{ repeating digits } r=1 \text{ One/ } 17$$

$$1/139 = 0.\{0071942446043165467625899280575539568345323741\} 46 \text{ repeating digits } r=1 \text{ One/ } 3$$

$$1/141 = 0.\{0070921985815602836879432624113475177304964539\} 46 \text{ repeating digits } r=1$$

$$1/143 = 0.\{006993\} 6 \text{ repeating digits } r=1$$

$$1/145 = 0.0\{0689655172413793103448275862\} 28 \text{ repeating digits } r=-1 \text{ do not use first 1 digits}$$

$$1/147 = 0.\{006802721088435374149659863945578231292517\} 42 \text{ repeating digits } r=1$$

$$1/149 = 0.$$

{0067114093959731543624161073825503355704697986577181208053691275167785234899328859060402684563758389261744966442953020134228187919463087248322147651} 148 repeating digits r=1 One/ 1

$$1/151 = 0.\{006622516556291390728476821192052980132450331125827814569536423841059602649\} 75 \text{ repeating digits } r=1 \text{ One/ } 2$$

$$1/153 = 0.\{0065359477124183\} 16 \text{ repeating digits } r=1$$

$$1/155 = 0.0\{064516129032258\} 15 \text{ repeating digits } r=-1 \text{ do not use first 1 digits}$$

$$1/157 = 0.\{006369426751592356687898089171974522292993630573248407643312101910828025477707\} 78 \text{ repeating digits } r=1 \text{ One/ } 2$$

$$1/159 = 0.\{0062893081761\} 13 \text{ repeating digits } r=1$$

$$1/161 = 0.\{006211180124223602484472049689440993788819875776397515527950310559\} 66 \text{ repeating digits } r=1$$

$$1/163 = 0.$$

{006134969325153374233128834355828220858895705521472392638036809815950920245398773} 81 repeating digits r=1 One/ 2

$$1/165 = 0.0\{06\} 2 \text{ repeating digits } r=-1 \text{ do not use first 1 digits One/ } 82$$

$$1/167 = 0.$$

{0059880239520958083832335329341317365269461077844311377245508982035928143712574850299401197604790419161676646706586826347305389221556886227544910179640718562874251497} 166 repeating digits r=1 One/ 1

$1/169 = 0.\{005917159763313609467455621301775147928994082840236686390532544378698224852071\}$   
 78 repeating digits  $r=1$   
 $1/171 = 0.\{005847953216374269\}$  18 repeating digits  $r=1$   
 $1/173 = 0.\{0057803468208092485549132947976878612716763\}$  43 repeating digits  $r=1$  One/ 4  
 $1/175 = 0.00\{571428\}$  6 repeating digits  $r=-1$  do not use first 2 digits One/ 29  
 $1/177 = 0.\{0056497175141242937853107344632768361581920903954802259887\}$  58 repeating digits  $r=1$   
 $1/179 = 0.$   
 $\{005586592178770949720670391061452513966480446927374301675977653631284916201117318435754$   
 $1899441340782122905027932960893854748603351955307262569832402234636871508379888268156424$   
 $581\}$  178 repeating digits  $r=1$  One/ 1  
 $1/181 = 0.$   
 $\{005524861878453038674033149171270718232044198895027624309392265193370165745856353591160$   
 $2209944751381215469613259668508287292817679558011049723756906077348066298342541436464088$   
 $39779\}$  180 repeating digits  $r=1$  One/ 1  
 $1/183 = 0.\{005464480874316939890710382513661202185792349726775956284153\}$  60 repeating digits  
 $r=1$   
 $1/185 = 0.0\{054\}$  3 repeating digits  $r=-1$  do not use first 1 digits  
 $1/187 = 0.\{0053475935828877\}$  16 repeating digits  $r=1$   
 $1/189 = 0.\{005291\}$  6 repeating digits  $r=1$   
 $1/191 = 0.$   
 $\{005235602094240837696335078534031413612565445026178010471204188481675392670157068062827$   
 $22513089\}$  95 repeating digits  $r=1$  One/ 2  
 $1/193 = 0.$   
 $\{005181347150259067357512953367875647668393782383419689119170984455958549222797927461139$   
 $8963730569948186528497409326424870466321243523316062176165803108808290155440414507772020$   
 $72538860103626943\}$  192 repeating digits  $r=1$  One/ 1  
 $1/195 = 0.0\{051282\}$  6 repeating digits  $r=-1$  do not use first 1 digits  
 $1/197 = 0.$   
 $\{005076142131979695431472081218274111675126903553299492385786802030456852791878172588832$   
 $48730964467\}$  98 repeating digits  $r=1$  One/ 2  
 $1/199 = 0.$   
 $\{005025125628140703517587939698492462311557788944723618090452261306532663316582914572864$   
 $321608040201\}$  99 repeating digits  $r=1$  One/ 2  
 $1/201 = 0.\{004975124378109452736318407960199\}$  33 repeating digits  $r=1$   
 $1/203 = 0.$   
 $\{004926108374384236453201970443349753694581280788177339901477832512315270935960591133\}$  84  
 repeating digits  $r=1$   
 $1/205 = 0.0\{04878\}$  5 repeating digits  $r=-1$  do not use first 1 digits  
 $1/207 = 0.\{0048309178743961352657\}$  22 repeating digits  $r=1$   
 $1/209 = 0.\{004784688995215311\}$  18 repeating digits  $r=1$   
 $1/211 = 0.\{004739336492890995260663507109\}$  30 repeating digits  $r=1$  One/ 7  
 $1/213 = 0.\{00469483568075117370892018779342723\}$  35 repeating digits  $r=1$   
 $1/215 = 0.0\{046511627906976744186\}$  21 repeating digits  $r=-1$  do not use first 1 digits  
 $1/217 = 0.\{004608294930875576036866359447\}$  30 repeating digits  $r=1$   
 $1/219 = 0.\{00456621\}$  8 repeating digits  $r=1$   
 $1/221 = 0.\{004524886877828054298642533936651583710407239819\}$  48 repeating digits  $r=1$   
 $1/223 = 0.$   
 $\{004484304932735426008968609865470852017937219730941704035874439461883408071748878923766$   
 $8161434977578475336322869955156950672645739910313901345291479820627802690582959641255605$   
 $38116591928251121076233183856502242152466367713\}$  222 repeating digits  $r=1$  One/ 1  
 $1/225 = 0.00\{4\}$  1 repeating digits  $r=-1$  do not use first 2 digits One/ 224  
 $1/227 = 0.$   
 $\{004405286343612334801762114537444933920704845814977973568281938325991189427312775330396$   
 $47577092511013215859030837\}$  113 repeating digits  $r=1$  One/ 2  
 $1/229 = 0.$   
 $\{004366812227074235807860262008733624454148471615720524017467248908296943231441048034934$

4978165938864628820960698689956331877729257641921397379912663755458515283842794759825327  
 51091703056768558951965065502183406113537117903930131} 228 repeating digits r=1 One/ 1  
 $1/231 = 0.\{004329\}$  6 repeating digits r=1  
 $1/233 = 0.$   
 {004291845493562231759656652360515021459227467811158798283261802575107296137339055793991  
 4163090128755364806866952789699570815450643776824034334763948497854077253218884120171673  
 819742489270386266094420600858369098712446351931330472103} 232 repeating digits r=1 One/ 1  
 $1/235 = 0.0\{0425531914893617021276595744680851063829787234\}$  46 repeating digits r=-1 do not use  
 first 1 digits  
 $1/237 = 0.\{0042194092827\}$  13 repeating digits r=1  
 $1/239 = 0.\{0041841\}$  7 repeating digits r=1 One/ 34  
 $1/241 = 0.\{004149377593360995850622406639\}$  30 repeating digits r=1 One/ 8  
 $1/243 = 0.\{004115226337448559670781893\}$  27 repeating digits r=1  
 $1/245 = 0.0\{040816326530612244897959183673469387755102\}$  42 repeating digits r=-1 do not use first 1  
 digits  
 $1/247 = 0.\{004048582995951417\}$  18 repeating digits r=1  
 $1/249 = 0.\{00401606425702811244979919678714859437751\}$  41 repeating digits r=1  
 $1/251 = 0.\{00398406374501992031872509960159362549800796812749\}$  50 repeating digits r=1 One/ 5  
 $1/253 = 0.\{0039525691699604743083\}$  22 repeating digits r=1  
 $1/255 = 0.0\{0392156862745098\}$  16 repeating digits r=-1 do not use first 1 digits  
 $1/257 = 0.$   
 {003891050583657587548638132295719844357976653696498054474708171206225680933852140077821  
 0116731517509727626459143968871595330739299610894941634241245136186770428015564202334630  
 350194552529182879377431906614785992217898832684824902723735408560311284046692607} 256  
 repeating digits r=1 One/ 1  
 $1/259 = 0.\{003861\}$  6 repeating digits r=1 One/ 43  
 $1/261 = 0.\{0038314176245210727969348659\}$  28 repeating digits r=1  
 $1/263 = 0.$   
 {003802281368821292775665399239543726235741444866920152091254752851711026615969581749049  
 4296577946768060836501901140684410646387832699619771863117870722433460076045627376425855  
 513307984790874524714828897338403041825095057034220532319391634980988593155893536121673}  
 262 repeating digits r=1 One/ 1  
 $1/265 = 0.0\{0377358490566\}$  13 repeating digits r=-1 do not use first 1 digits  
 $1/267 = 0.\{00374531835205992509363295880149812734082397\}$  44 repeating digits r=1  
 $1/269 = 0.$   
 {003717472118959107806691449814126394052044609665427509293680297397769516728624535315985  
 1301115241635687732342007434944237918215613382899628252788104089219330855018587360594795  
 5390334572490706319702602230483271375464684014869888475836431226765799256505576208178438  
 66171} 268 repeating digits r=1 One/ 1  
 $1/271 = 0.\{00369\}$  5 repeating digits r=1 One/ 54  
 $1/273 = 0.\{003663\}$  6 repeating digits r=1  
 $1/275 = 0.00\{36\}$  2 repeating digits r=-1 do not use first 2 digits One/ 137  
 $1/277 = 0.\{003610108303249097472924187725631768953068592057761732851985559566787\}$  69  
 repeating digits r=1 One/ 4  
 $1/279 = 0.\{003584229390681\}$  15 repeating digits r=1  
 $1/281 = 0.\{0035587188612099644128113879\}$  28 repeating digits r=1 One/ 10  
 $1/283 = 0.$   
 {003533568904593639575971731448763250883392226148409893992932862190812720848056537102473  
 498233215547703180212014134275618374558303886925795053} 141 repeating digits r=1 One/ 2  
 $1/285 = 0.0\{035087719298245614\}$  18 repeating digits r=-1 do not use first 1 digits  
 $1/287 = 0.\{003484320557491289198606271777\}$  30 repeating digits r=1  
 $1/289 = 0.$   
 {003460207612456747404844290657439446366782006920415224913494809688581314878892733564013  
 8408304498269896193771626297577854671280276816608996539792387543252595155709342560553633  
 2179930795847750865051903114186851211072664359861591695501730103806228373702422145328719  
 723183391} 272 repeating digits r=1

$$1/291 = 0.$$

{003436426116838487972508591065292096219931271477663230240549828178694158075601374570446735395189} 96 repeating digits r=1

$$1/293 = 0.$$

{00341296928327645051194539249146757679180887372013651877133105802047781569965870307167235494880546075085324232081911262798634812286689419795221843} 146 repeating digits r=1 One/ 2

1/295 = 0.0{0338983050847457627118644067796610169491525423728813559322} 58 repeating digits r=-1 do not use first 1 digits

$$1/297 = 0.\{003367\} 6 \text{ repeating digits } r=1$$

1/299 = 0.\{003344481605351170568561872909698996655518394648829431438127090301\} 66 repeating digits r=1

1/301 = 0.\{003322259136212624584717607973421926910299\} 42 repeating digits r=1

1/303 = 0.\{0033\} 4 repeating digits r=1

1/305 = 0.0{032786885245901639344262295081967213114754098360655737704918} 60 repeating digits r=-1 do not use first 1 digits

$$1/307 = 0.$$

{003257328990228013029315960912052117263843648208469055374592833876221498371335504885993485342019543973941368078175895765472312703583061889250814332247557} 153 repeating digits r=1 One/ 2

One/ 2

1/309 = 0.\{0032362459546925566343042071197411\} 34 repeating digits r=1

$$1/311 = 0.$$

{00321543408360128617363344051446945337620578778135048231511254019292604501607717041800643086816720257234726688102893890675241157556270096463022508038585209} 155 repeating digits r=1 One/ 2

One/ 2

$$1/313 = 0.$$

{003194888178913738019169329073482428115015974440894568690095846645367412140575079872204472843450479233226837060702875399361022364217252396166134185303514376996805111821086261980830670926517571884984025559105431309904153354632587859424920127795527156549520766773162939297124600638977635782747603833865814696485623} 312 repeating digits r=1 One/ 1

1/315 = 0.0{031746} 6 repeating digits r=-1 do not use first 1 digits

$$1/317 = 0.$$

{0031545741324921135646687697160883280757097791798107255520504731861198738170347} 79 repeating digits r=1 One/ 4

1/319 = 0.\{0031347962382445141065830721\} 28 repeating digits r=1

1/321 = 0.\{00311526479750778816199376947040498442367601246105919\} 53 repeating digits r=1

$$1/323 = 0.$$

{003095975232198142414860681114551083591331269349845201238390092879256965944272445820433436532507739938080495356037151702786377708978328173374613} 144 repeating digits r=1

1/325 = 0.00{307692} 6 repeating digits r=-1 do not use first 2 digits One/ 54

$$1/327 = 0.$$

{003058103975535168195718654434250764525993883792048929663608562691131498470948012232415902140672782874617737} 108 repeating digits r=1

$$1/329 = 0.$$

{003039513677811550151975683890577507598784194528875379939209726443768996960486322188449848024316109422492401215805471124620060790273556231} 138 repeating digits r=1

$$1/331 = 0.$$

{00302114803625377643504531722054380664652567975830815709969788519637462235649546827794561933534743202416918429} 110 repeating digits r=1 One/ 3

1/333 = 0.\{003\} 3 repeating digits r=1

1/335 = 0.0{029850746268656716417910447761194} 33 repeating digits r=-1 do not use first 1 digits

$$1/337 = 0.$$

{002967359050445103857566765578635014836795252225519287833827893175074183976261127596439169139465875370919881305637982195845697329376854599406528189910979228486646884272997032640949554896142433234421364985163204747774480712166172106824925816023738872403560830860534124629080118694362017804154302670623145400593471810089020771513353115727} 336 repeating digits r=1 One/ 1

1/339 = 0.

{0029498525073746312684365781710914454277286135693215339233038348082595870206489675516224188790560471976401179941} 112 repeating digits r=1

1/341 = 0.{002932551319648093841642228739} 30 repeating digits r=1

1/343 = 0.

{002915451895043731778425655976676384839650145772594752186588921282798833819241982507288629737609329446064139941690962099125364431486880466472303206997084548104956268221574344023323615160349854227405247813411078717201166180758017492711370262390670553935860058309037900874635568513119533527696793} 294 repeating digits r=1

1/345 = 0.0{0289855072463768115942} 22 repeating digits r=-1 do not use first 1 digits

1/347 = 0.

{00288184438040345821325648414985590778097982708933717579250720461095100864553314121037463976945244956772334293948126801152737752161383285302593659942363112391930835734870317} 173 repeating digits r=1 One/ 2

1/349 = 0.

{00286532951289398280802292263610315186246418338108882521489971346704871060171919770773638968481375358166189111747851} 116 repeating digits r=1 One/ 3

1/351 = 0.{002849} 6 repeating digits r=1

1/353 = 0.{00283286118980169971671388101983} 32 repeating digits r=1 One/ 11

1/355 = 0.0{02816901408450704225352112676056338} 35 repeating digits r=-1 do not use first 1 digits

1/357 = 0.{002801120448179271708683473389355742296918767507} 48 repeating digits r=1

1/359 = 0.

{00278551532033426183844011142061281337047353760445682451253481894150417827298050139275766016713091922005571030640668523676880222841225626740947075208913649025069637883008356545961} 179 repeating digits r=1 One/ 2

1/361 = 0.

{002770083102493074792243767313019390581717451523545706371191135734072022160664819944598337950138504155124653739612188365650969529085872576177285318559556786703601108033240997229916897506925207756232686980609418282548476454293628808864265927977839335180055401662049861495844875346260387811634349030470914127423822714681440443213296398891966759} 342 repeating digits r=1

1/363 = 0.{0027548209366391184573} 22 repeating digits r=1

1/365 = 0.0{02739726} 8 repeating digits r=-1 do not use first 1 digits

1/367 = 0.

{002724795640326975476839237057220708446866485013623978201634877384196185286103542234332425068119891008174386920980926430517711171662125340599455040871934604904632152588555858310626702997275204359673024523160762942779291553133514986376021798365122615803814713896457765667574931880108991825613079019073569482288828337874659400544959128065395095367847411444141689373297} 366 repeating digits r=1 One/ 1

1/369 = 0.{00271} 5 repeating digits r=1

1/371 = 0.{002695417789757412398921832884097035040431266846361185983827493261455525606469} 78 repeating digits r=1

1/373 = 0.

{002680965147453083109919571045576407506702412868632707774798927613941018766756032171581769436997319034852546916890080428954423592493297587131367292225201072386058981233243967828418230563} 186 repeating digits r=1 One/ 2

1/375 = 0.002{6} 1 repeating digits r=-1 do not use first 3 digits One/ 374

1/377 = 0.

{002652519893899204244031830238726790450928381962864721485411140583554376657824933687} 84 repeating digits r=1

1/379 = 0.

{002638522427440633245382585751978891820580474934036939313984168865435356200527704485488126649076517150395778364116094986807387862796833773087071240105540897097625329815303430079155672823218997361477572559366754617414248021108179419525065963060686015831134564643799472295514511873350923482849604221635883905013192612137203166226912928759894459102902374670184696569920844327176781} 378 repeating digits r=1 One/ 1

1/381 = 0.{002624671916010498687664041994750656167979} 42 repeating digits r=1  
1/383 = 0.  
{002610966057441253263707571801566579634464751958224543080939947780678851174934725848563  
9686684073107049608355091383812010443864229765013054830287206266318537859007832898172323  
7597911227154046997389033942558746736292428198433420365535248041775456919060052219321148  
8250652741514360313315926892950391644908616187989556135770234986945169712793733681462140  
9921671018276762402088772845953} 382 repeating digits r=1 One/ 1  
1/385 = 0.0{025974} 6 repeating digits r=-1 do not use first 1 digits One/ 64  
1/387 = 0.{002583979328165374677} 21 repeating digits r=1  
1/389 = 0.  
{002570694087403598971722365038560411311053984575835475578406169665809768637532133676092  
5449871465295629820051413881748071979434447300771208226221079691516709511568123393316195  
3727506426735218508997429305912596401028277634961439588688946015424164524421593830334190  
2313624678663239074550128534704370179948586118251928020565552699228791773778920308483290  
4884318766066838046272493573264781491} 388 repeating digits r=1 One/ 1  
1/391 = 0.  
{002557544757033248081841432225063938618925831202046035805626598465473145780051150895140  
6649616368286445012787723785166240409207161125319693094629156010230179028132992327365728  
9} 176 repeating digits r=1  
1/393 = 0.  
{002544529262086513994910941475826972010178117048346055979643765903307888040712468193384  
2239185750636132315521628498727735368956743} 130 repeating digits r=1  
1/395 = 0.0{0253164556962} 13 repeating digits r=-1 do not use first 1 digits  
1/397 = 0.  
{002518891687657430730478589420654911838790931989924433249370277078085642317380352644836  
272040302267} 99 repeating digits r=1 One/ 4  
1/399 = 0.{002506265664160401} 18 repeating digits r=1  
1/401 = 0.  
{002493765586034912718204488778054862842892768079800498753117206982543640897755610972568  
5785536159600997506234413965087281795511221945137157107231920199501246882793017456359102  
2443890274314214463840399} 200 repeating digits r=1 One/ 2  
1/403 = 0.{002481389578163771712158808933} 30 repeating digits r=1  
1/405 = 0.0{024691358} 9 repeating digits r=-1 do not use first 1 digits  
1/407 = 0.{002457} 6 repeating digits r=1  
1/409 = 0.  
{002444987775061124694376528117359413202933985330073349633251833740831295843520782396088  
0195599022004889975550122249388753056234718826405867970660146699266503667481662591687041  
56479217603911980440097799511} 204 repeating digits r=1 One/ 2  
1/411 = 0.{00243309} 8 repeating digits r=1  
1/413 = 0.  
{002421307506053268765133171912832929782082324455205811138014527845036319612590799031476  
997578692493946731234866828087167070217917675544794188861985472154963680387409200968523}  
174 repeating digits r=1  
1/415 = 0.0{02409638554216867469879518072289156626506} 41 repeating digits r=-1 do not use first 1  
digits  
1/417 = 0.{0023980815347721822541966426858513189448441247} 46 repeating digits r=1  
1/419 = 0.  
{002386634844868735083532219570405727923627684964200477326968973747016706443914081145584  
7255369928400954653937947494033412887828162291169451073985680190930787589498806682577565  
6324582338902147971360381861575178997613365155131264916467780429594272076372315035799522  
6730310262529832935560859188544152744630071599045346062052505966587112171837708830548926  
0143198090692124105011933174224343675417661097852028639618138424821} 418 repeating digits  
r=1 One/ 1  
1/421 = 0.  
{002375296912114014251781472684085510688836104513064133016627078384798099762470308788598  
57482185273159144893111638954869358669833729216152019} 140 repeating digits r=1 One/ 3



1/423 = 0.{0023640661938534278959810874704491725768321513} 46 repeating digits r=1  
1/425 = 0.00{2352941176470588} 16 repeating digits r=-1 do not use first 2 digits  
1/427 = 0.{002341920374707259953161592505854800936768149882903981264637} 60 repeating digits  
r=1  
1/429 = 0.{002331} 6 repeating digits r=1  
1/431 = 0.  
{002320185614849187935034802784222737819025522041763341067285382830626450116009280742459  
3967517401392111368909512761020881670533642691415313225058004640371229698375870069605568  
4454756380510440835266821345707656612529} 215 repeating digits r=1 One/ 2  
1/433 = 0.  
{002309468822170900692840646651270207852193995381062355658198614318706697459584295612009  
2378752886836027713625866050808314087759815242494226327944572748267898383371824480369515  
0115473441108545034642032332563510392609699769053117782909930715935334872979214780600461  
8937644341801385681293302540415704387990762124711316397228637413394919168591224018475750  
577367205542725173210161662817551963048498845265588914549653579676674364896073903} 432  
repeating digits r=1 One/ 1  
1/435 = 0.0{0229885057471264367816091954} 28 repeating digits r=-1 do not use first 1 digits  
1/437 = 0.  
{002288329519450800915331807780320366132723112128146453089244851258581235697940503432494  
2791762013729977116704805491990846681922196796338672768878718535469107551487414187643020  
59496567505720823798627} 198 repeating digits r=1  
1/439 = 0.  
{002277904328018223234624145785876993166287015945330296127562642369020501138952164009111  
6173120728929384965831435079726651480637813211845102505694760820045558086560364464692482  
91571753986332574031890660592255125284738041} 219 repeating digits r=1 One/ 2  
1/441 = 0.{002267573696145124716553287981859410430839} 42 repeating digits r=1  
1/443 = 0.  
{002257336343115124153498871331828442437923250564334085778781038374717832957110609480812  
6410835214446952595936794582392776523702031602708803611738148984198645598194130925507900  
6772009029345372460496613995485327313769751693} 221 repeating digits r=1 One/ 2  
1/445 = 0.0{02247191011235955056179775280898876404494382} 44 repeating digits r=-1 do not use first  
1 digits  
1/447 = 0.  
{002237136465324384787472035794183445190156599552572706935123042505592841163310961968680  
0894854586129753914988814317673378076062639821029082774049217} 148 repeating digits r=1  
1/449 = 0.{00222717149220489977728285077951} 32 repeating digits r=1 One/ 14  
1/451 = 0.{0022172949} 10 repeating digits r=1 One/ 45  
1/453 = 0.{002207505518763796909492273730684326710816777041942604856512141280353200883} 75  
repeating digits r=1  
1/455 = 0.0{021978} 6 repeating digits r=-1 do not use first 1 digits  
1/457 = 0.  
{002188183807439824945295404814004376367614879649890590809628008752735229759299781181619  
25601750547045951859956236323851203501094091903719912472647702407} 152 repeating digits r=1  
One/ 3  
1/459 = 0.{002178649237472766884531590413943355119825708061} 48 repeating digits r=1  
1/461 = 0.  
{002169197396963123644251626898047722342733188720173535791757049891540130151843817787418  
6550976138828633405639913232104121475054229934924078091106290672451193058568329718004338  
3947939262472885032537960954446854663774403470715835140997830802603036876355748373101952  
2776572668112798264642082429501084598698481561822125813449023861171366594360086767895878  
5249457700650759219088937093275488069414316702819956616052060737527114967462039045553145  
336225596529284164859} 460 repeating digits r=1 One/ 1  
1/463 = 0.  
{002159827213822894168466522678185745140388768898488120950323974082073434125269978401727  
8617710583153347732181425485961123110151187904967602591792656587473} 154 repeating digits  
r=1 One/ 3

$1/465 = 0.0\{021505376344086\}$  15 repeating digits  $r=-1$  do not use first 1 digits  
 $1/467 = 0.$   
 $\{00214132762312633832976445396145610278372591006423982869379014989293361884368308351177730192719486081370449678800856531049250535331905781584582441113490364025695931477516059957173447537473233404710920770877944325481798715203426124197\}$  233 repeating digits  $r=1$  One/ 2  
 $1/469 = 0.\{002132196162046908315565031982942430703624733475479744136460554371\}$  66 repeating digits  $r=1$   
 $1/471 = 0.\{002123142250530785562632696390658174097664543524416135881104033970276008492569\}$  78 repeating digits  $r=1$   
 $1/473 = 0.\{002114164904862579281183932346723044397463\}$  42 repeating digits  $r=1$   
 $1/475 = 0.00\{210526315789473684\}$  18 repeating digits  $r=-1$  do not use first 2 digits  
 $1/477 = 0.\{0020964360587\}$  13 repeating digits  $r=1$   
 $1/479 = 0.$   
 $\{00208768267223382045929018789144050104384133611691022964509394572025052192066805845511482254697286012526096033402922755741127348643006263048016701461377870563674321503131524008350730688935281837160751565762004175365344467640918580375782881\}$  239 repeating digits  $r=1$  One/ 2  
 $1/481 = 0.\{002079\}$  6 repeating digits  $r=1$  One/ 80  
 $1/483 = 0.\{002070393374741200828157349896480331262939958592132505175983436853\}$  66 repeating digits  $r=1$   
 $1/485 = 0.0\{020618556701030927835051546391752577319587628865979381443298969072164948453608247422680412371134\}$  96 repeating digits  $r=-1$  do not use first 1 digits  
 $1/487 = 0.$   
 $\{002053388090349075975359342915811088295687885010266940451745379876796714579055441478439425051334702258726899383983572895277207392197125256673511293634496919917864476386036960985626283367556468172484599589322381930184804928131416837782340862422997946611909650924024640657084188911704312114989733059548254620123203285420944558521560574948665297741273100616016427104722792607802874743326488706365503080082135523613963039014373716632443531827515400410677618069815195071868583162217659137577\}$  486 repeating digits  $r=1$  One/ 1  
 $1/489 = 0.$   
 $\{002044989775051124744376278118609406952965235173824130879345603271983640081799591\}$  81 repeating digits  $r=1$   
 $1/491 = 0.$   
 $\{0020366598778004073319755600814663951120162932790224032586558044806517311608961303462321792260692464358452138492871690427698574338085539714867617107942973523421588594704684317718940936863543788187372708757637474541751527494908350305498981670061099796334012219959266802443991853360488798370672097759674134419551934826883910386965376782077393075356415478615071283095723014256619144602851323828920570264765784114052953156822810590631364562118126272912423625254582484725050916496945010183299389\}$  490 repeating digits  $r=1$  One/ 1  
 $1/493 = 0.$   
 $\{0020283975659229208924949290060851926977687626774847870182555780933062880324543610547667342799188640973630831643\}$  112 repeating digits  $r=1$   
 $1/495 = 0.0\{02\}$  2 repeating digits  $r=-1$  do not use first 1 digits One/ 247  
 $1/497 = 0.$   
 $\{002012072434607645875251509054325955734406438631790744466800804828973843058350100603621730382293762575452716297786720321931589537223340040241448692152917505030181086519114688128772635814889336016096579476861167\}$  210 repeating digits  $r=1$   
 $1/499 = 0.$   
 $\{00200400801603206412825651302605210420841683366733466933867735470941883767535070140280561122244488977955911823647294589178356713426853707414829659318637274549098196392785571142284569138276553106212424849699398797595190380761523046092184368737474949899799599198396793587174348697394789579158316633266533066132264529058116232464929859719438877555110220440881763527054108216432865731462925851703406813627254509018036072144288577154308617234468937875751503006012024048096192384769539078156312625250501\}$  498 repeating digits  $r=1$  One/ 1

1/501 = 0.

{001996007984031936127744510978043912175648702594810379241516966067864271457085828343313  
3732534930139720558882235528942115768463073852295409181636726546906187624750499} 166

repeating digits r=1

1/503 = 0.

{001988071570576540755467196819085487077534791252485089463220675944333996023856858846918  
4890656063618290258449304174950298210735586481113320079522862823061630218687872763419483  
1013916500994035785288270377733598409542743538767395626242544731610337972166998011928429  
4234592445328031809145129224652087475149105367793240556660039761431411530815109343936381  
7097415506958250497017892644135188866799204771371769383697813121272365805168986083499005  
964214711729622266401590457256461232604373757455268389662027833} 502 repeating digits r=1

One/ 1

1/505 = 0.0{0198} 4 repeating digits r=-1 do not use first 1 digits One/ 126

1/507 = 0.{001972386587771203155818540433925049309664694280078895463510848126232741617357}  
78 repeating digits r=1

1/509 = 0.

{001964636542239685658153241650294695481335952848722986247544204322200392927308447937131  
6306483300589390962671905697445972495088408644400785854616895874263261296660117878192534  
3811394891944990176817288801571709233791748526522593320235756385068762278978388998035363  
4577603143418467583497053045186640471512770137524557956777996070726915520628683693516699  
4106090373280943025540275049115913555992141453831041257367387033398821218074656188605108  
055009823182711198428290766208251473477406679764243614931237721021611} 508 repeating digits

r=1 One/ 1

1/511 = 0.{001956947162426614481409} 24 repeating digits r=1

1/513 = 0.{001949317738791423} 18 repeating digits r=1

1/515 = 0.0{0194174757281553398058252427184466} 34 repeating digits r=-1 do not use first 1 digits

1/517 = 0.{0019342359767891682785299806576402321083172147} 46 repeating digits r=1

1/519 = 0.{0019267822736030828516377649325626204238921} 43 repeating digits r=1

1/521 = 0.{0019193857965451055662188099808061420345489443378119} 52 repeating digits r=1 One/ 10

1/523 = 0.

{001912045889101338432122370936902485659655831739961759082217973231357552581261950286806  
8833652007648183556405353728489483747609942638623326959847036328871892925430210325047801  
14722753346080305927342256214149139579349904397705544933078393881453154875717017208413}

261 repeating digits r=1 One/ 2

1/525 = 0.00{190476} 6 repeating digits r=-1 do not use first 2 digits

1/527 = 0.

{001897533206831119544592030360531309297912713472485768500948766603415559772296015180265  
6546489563567362428842504743833017077798861480075901328273244781783681214421252371916508  
53889943074003795066413662239089184060721062618595825426944971537} 240 repeating digits r=1

1/529 = 0.

{001890359168241965973534971644612476370510396975425330812854442344045368620037807183364  
8393194706994328922495274102079395085066162570888468809073724007561436672967863894139886  
5784499054820415879017013232514177693761814744801512287334593572778827977315689981096408  
3175803402646502835538752362948960302457466918714555765595463137996219281663516068052930  
0567107750472589792060491493383742911153119092627599243856332703213610586011342155009451  
7958412098298676748582230623818525519848771266540642722117202268431} 506 repeating digits

r=1

1/531 = 0.{0018832391713747645951035781544256120527306967984934086629} 58 repeating digits r=1

1/533 = 0.{001876172607879924953095684803} 30 repeating digits r=1

1/535 = 0.0{01869158878504672897196261682242990654205607476635514} 53 repeating digits r=-1 do  
not use first 1 digits

1/537 = 0.

{001862197392923649906890130353817504655493482309124767225325884543761638733705772811918  
0633147113594040968342644320297951582867783985102420856610800744878957169459962756052141  
527} 178 repeating digits r=1

1/539 = 0.{001855287569573283858998144712430426716141} 42 repeating digits r=1

1/541 = 0.

{001848428835489833641404805914972273567467652495378927911275415896487985212569316081330  
8687615526802218114602587800369685767097966728280961182994454713493530499075785582255083  
1792975970425138632162661737523105360443622920517560073937153419593345656192236598890942  
6987060998151571164510166358595194085027726432532347504621072088724584103512014787430683  
9186691312384473197781885397412199630314232902033271719038817005545286506469500924214417  
7449168207024029574861367837338262476894639556377079482439926062846580406654343807763401  
1090573012939} 540 repeating digits r=1 One/ 1

1/543 = 0.

{001841620626151012891344383057090239410681399631675874769797421731123388581952117863720  
0736648250460405156537753222836095764272559852670349907918968692449355432780847145488029  
46593} 180 repeating digits r=1

1/545 =

0.0{0183486238532110091743119266055045871559633027522935779816513761467889908256880733944  
95412844036697247706422} 108 repeating digits r=-1 do not use first 1 digits

1/547 = 0.

{001828153564899451553930530164533820840950639853747714808043875685557586837294332723948  
8117} 91 repeating digits r=1 One/ 6

1/549 = 0.{001821493624772313296903460837887067395264116575591985428051} 60 repeating digits  
r=1

1/551 = 0.

{001814882032667876588021778584392014519056261343012704174228675136116152450090744101633  
3938294010889292196007259528130671506352087114337568058076225045372050816696914700544464  
60980036297640653357531760435571687840290381125226860254083484573502722323049} 252  
repeating digits r=1

1/553 = 0.{001808318264014466546112115732368896925858951175406871609403254972875226039783}  
78 repeating digits r=1

1/555 = 0.0{018} 3 repeating digits r=-1 do not use first 1 digits

1/557 = 0.

{001795332136445242369838420107719928186714542190305206463195691202872531418312387791741  
4721723518850987432675044883303411131059245960502692998204667863554757630161579892280071  
8132854578096947935368043087971274685816876122082585278276481149012567324955116696588868  
940754039497307} 278 repeating digits r=1 One/ 2

1/559 = 0.{001788908765652951699463327370304114490161} 42 repeating digits r=1

1/561 = 0.{0017825311942959} 16 repeating digits r=1 One/ 35

1/563 = 0.

{001776198934280639431616341030195381882770870337477797513321492007104795737122557726465  
3641207815275310834813499111900532859680284191829484902309058614564831261101243339253996  
4476021314387211367673179396092362344582593250444049733570159857904085257548845470692717  
584369449378330373} 281 repeating digits r=1 One/ 2

1/565 =

0.0{0176991150442477876106194690265486725663716814159292035398230088495575221238938053097  
345132743362831858407079646} 112 repeating digits r=-1 do not use first 1 digits

1/567 = 0.{001763668430335097} 18 repeating digits r=1

1/569 = 0.

{001757469244288224956063268892794376098418277680140597539543057996485061511423550087873  
4622144112478031634446397188049209138840070298769771528998242530755711775043936731107205  
6239015817223198594024604569420035149384885764499121265377855887521968365553602811950790  
861159929701230228471} 284 repeating digits r=1 One/ 2

1/571 = 0.

{001751313485113835376532399299474605954465849387040280210157618213660245183887915936952  
7145359019264448336252189141856392294220665499124343257443082311733800350262697022767075  
3064798598949211908931698774080560420315236427320490367775831873905429071803852889667250  
4378283712784588441330998248686514886164623467600700525394045534150612959719789842381786  
3397548161120840630472854640980735551663747810858143607705779334500875656742556917688266

1996497373029772329246935201401050788091068301225919439579684763572679509632224168126094  
5709281961471103327495621716287215411558669} 570 repeating digits r=1 One/ 1  
1/573 = 0.  
{001745200698080279232111692844677137870855148342059336823734729493891797556719022687609  
07504363} 95 repeating digits r=1  
1/575 = 0.00{1739130434782608695652} 22 repeating digits r=-1 do not use first 2 digits  
1/577 = 0.  
{001733102253032928942807625649913344887348353552859618717504332755632582322357019064124  
7833622183708838821490467937608318890814558058925476603119584055459272097053726169844020  
7972270363951473136915077989601386481802426343154246100519930675909878682842287694974003  
4662045060658578856152512998266897746967071057192374350086655112651646447140381282495667  
2443674176776429809358752166377816291161178509532062391681109185441941074523396880415944  
5407279029462738301559792027729636048526863084922010398613518197573656845753899480069324  
0901213171577123050259965337954939341421143847487} 576 repeating digits r=1 One/ 1  
1/579 = 0.  
{001727115716753022452504317789291882556131260794473229706390328151986183074265975820379  
9654576856649395509499136442141623488773747841105354058721934369602763385146804835924006  
90846286701208981} 192 repeating digits r=1  
1/581 = 0.  
{001721170395869191049913941480206540447504302925989672977624784853700516351118760757314  
9741824440619621342512908777969018932874354561101549053356282271944922547332185886402753  
87263339070567986230636833046471600688468158347676419965576592082616179} 246 repeating  
digits r=1  
1/583 = 0.{00171526586620926243567753} 26 repeating digits r=1  
1/585 = 0.0{017094} 6 repeating digits r=-1 do not use first 1 digits  
1/587 = 0.  
{001703577512776831345826235093696763202725724020442930153321976149914821124361158432708  
6882453151618398637137989778534923339011925042589437819420783645655877342419080068143100  
5110732538330494037478705281090289608177172061328790459965928449744463373083475298126064  
735945485519591141396933560477} 293 repeating digits r=1 One/ 2  
1/589 = 0.  
{001697792869269949066213921901528013582342954159592529711375212224108658743633276740237  
691} 90 repeating digits r=1  
1/591 = 0.  
{001692047377326565143824027072758037225042301184433164128595600676818950930626057529610  
82910321489} 98 repeating digits r=1  
1/593 = 0.  
{001686340640809443507588532883642495784148397976391231028667790893760539629005059021922  
4283305227655986509274873524451939291736930860033726812816188870151770657672849915682967  
9595278246205733558178752107925801011804384485666104553119730185497470489038785834738617  
2006745362563237774030354131534569983136593591905564924114671163575042158516020236087689  
7133220910623946037099494097807757166947723440134907251264755480607082630691399662731871  
8381112984822934232715008431703204047217537942664418212478920741989881956155143338954468  
80269814502529510961214165261382799325463743676222596964586846543} 592 repeating digits r=1  
One/ 1  
1/595 = 0.0{016806722689075630252100840336134453781512605042} 48 repeating digits r=-1 do not use  
first 1 digits  
1/597 = 0.  
{001675041876046901172529313232830820770519262981574539363484087102177554438860971524288  
107202680067} 99 repeating digits r=1  
1/599 = 0.  
{001669449081803005008347245409015025041736227045075125208681135225375626043405676126878  
1302170283806343906510851419031719532554257095158597662771285475792988313856427378964941  
5692821368948247078464106844741235392320534223706176961602671118530884808013355592654424  
040066777963272120200333889816360601} 299 repeating digits r=1 One/ 2

1/601 = 0.

{001663893510815307820299500831946755407653910149750415973377703826955074875207986688851913477537437603993344425956738768718801996672212978369384359400998336106489184692179700499168053244592346089850249584026622296173044925124792013311148086522462562396006655574043261231281198003327787021630615640599} 300 repeating digits r=1 One/ 2

1/603 = 0.{001658374792703150912106135986733} 33 repeating digits r=1

1/605 = 0.0{0165289256198347107438} 22 repeating digits r=-1 do not use first 1 digits

1/607 = 0.

{0016474464579901153212520593080724876441515650741350906095551894563426688632619439868204283360790774299835255354200988467874794069192751235584843492586490939044481054365733113673805601317957166392092257} 202 repeating digits r=1 One/ 3

1/609 = 0.

{001642036124794745484400656814449917898193760262725779967159277504105090311986863711} 84 repeating digits r=1

1/611 = 0.

{001636661211129296235679214402618657937806873977086743044189852700490998363338788870703764320785597381342062193126022913256955810147299509} 138 repeating digits r=1

1/613 = 0.{001631321370309951060358890701468189233278955954323} 51 repeating digits r=1 One/ 12

1/615 = 0.0{01626} 5 repeating digits r=-1 do not use first 1 digits

1/617 = 0.

{0016207455429497568881685575364667747163695299837925445705024311183144246353322528363047} 88 repeating digits r=1 One/ 7

1/619 = 0.

{001615508885298869143780290791599353796445880452342487883683360258481421647819063004846526655896607431340872374798061389337641357027463651050080775444264943457189014539579967689822294022617124394184168012924071082390953150242326332794830371567043618739903069466882067851373182552504038772213247172859450726978998384491114701130856219709208400646203554119547657512116316639741518578352180936995153473344103392568659127625201938610662358642972536348949919224555735056542810985460420032310177705977382875605815831987075928917609046849757673667205169628432956381260096930533117932148626817447495961227786752827140549273021} 618 repeating digits r=1 One/ 1

1/621 = 0.{001610305958132045088566827697262479871175523349436392914653784219} 66 repeating digits r=1

1/623 = 0.

{001605136436597110754414125200642054574638844301765650080256821829855537720706260032102728731942215088282504012841091492776886035313} 132 repeating digits r=1

1/625 = 0.0016 Exact value

1/627 = 0.{001594896331738437} 18 repeating digits r=1

1/629 = 0.{001589825119236883942766295707472178060413354531} 48 repeating digits r=1

1/631 = 0.

{001584786053882725832012678288431061806656101426307448494453248811410459587955625990491283676703645007923930269413629160063391442155309033280507131537242472266244057052297939778129952456418383518225039619651347068145800316957210776545166402535657686212361331220285261489698890649762282091917591125198098256735340729} 315 repeating digits r=1 One/ 2

1/633 = 0.{001579778830963665086887835703} 30 repeating digits r=1

1/635 = 0.0{015748031496062992125984251968503937007874} 42 repeating digits r=-1 do not use first 1 digits

1/637 = 0.{001569858712715855572998430141287284144427} 42 repeating digits r=1

1/639 = 0.{00156494522691705790297339593114241} 35 repeating digits r=1

1/641 = 0.{00156006240249609984399375975039} 32 repeating digits r=1 One/ 20

1/643 = 0.

{00155520995334370139968895800933125972006220839813374805598755832037325038880248833592534992223950233281493} 107 repeating digits r=1 One/ 6

1/645 = 0.0{015503875968992248062} 21 repeating digits r=-1 do not use first 1 digits

1/647 = 0.

{001545595054095826893353941267387944358578052550231839258114374034003091190108191653786

7078825347758887171561051004636785162287480680061823802163833075734157650695517774343122  
1020092735703245749613601236476043276661514683153013910355486862442040185471406491499227  
2024729520865533230293663060278207109737248840803709428129829984544049459041731066460587  
3261205564142194744976816074188562596599690880989180834621329211746522411128284389489953  
6321483771251931993817619783616692426584234930448222565687789799072642967542503863987635  
2395672333848531684698608964451313755795981452859350850077279752704791344667697063369397  
2179289026275115919629057187017} 646 repeating digits r=1 One/ 1  
1/649 = 0.{0015408320493066255778120184899845916795069337442218798151} 58 repeating digits r=1  
1/651 = 0.{001536098310291858678955453149} 30 repeating digits r=1  
1/653 = 0.  
{001531393568147013782542113323124042879019908116385911179173047473200612557427258805513  
0168453292496171516079632465543644716692189892802450229709035222052067381316998468606431  
8529862174578866768759571209800918836140888208269525267993874425727411944869831546707503  
828483920367534456355283307810107197549770290964777947932618683} 326 repeating digits r=1  
One/ 2  
1/655 =  
0.0{0152671755725190839694656488549618320610687022900763358778625954198473282442748091603  
053435114503816793893129770992366412213740458} 130 repeating digits r=-1 do not use first 1 digits  
1/657 = 0.{00152207} 8 repeating digits r=1 One/ 82  
1/659 = 0.  
{001517450682852807283763277693474962063732928679817905918057663125948406676783004552352  
0485584218512898330804248861911987860394537177541729893778452200303490136570561456752655  
5386949924127465857359635811836115326251896813353566009104704097116843702579666160849772  
3823975720789074355083459787556904400606980273141122913505311077389984825493171471927162  
3672230652503793626707132018209408194233687405159332321699544764795144157814871016691957  
5113808801213960546282245827010622154779969650986342943854324734446130500758725341426403  
6418816388467374810318664643399089529590288315629742033383915022761760242792109256449165  
4021244309559939301972685887708649468892261} 658 repeating digits r=1 One/ 1  
1/661 = 0.  
{001512859304084720121028744326777609682299546142208774583963691376701966717095310136157  
3373676248108925869894099848714069591527987897125567322239031770045385779122541603630862  
329803328290468986384266263237518910741301059} 220 repeating digits r=1 One/ 3  
1/663 = 0.{001508295625942684766214177978883861236802413273} 48 repeating digits r=1  
1/665 = 0.0{015037593984962406} 18 repeating digits r=-1 do not use first 1 digits  
1/667 = 0.  
{001499250374812593703148425787106446776611694152923538230884557721139430284857571214392  
8035982008995502248875562218890554722638680659670164917541229385307346326836581709145427  
2863568215892053973013493253373313343328335832083958020989505247376311844077961019490254  
872563718140929535232383808095952023988005997} 308 repeating digits r=1  
1/669 = 0.  
{001494768310911808669656203288490284005979073243647234678624813153961136023916292974588  
9387144992526158445440956651718983557548579970104633781763826606875934230194319880418535  
12705530642750373692077727952167414050822122571} 222 repeating digits r=1  
1/671 = 0.{001490312965722801788375558867362146050670640834575260804769} 60 repeating digits  
r=1  
1/673 = 0.  
{001485884101040118870728083209509658246656760772659732540861812778603268945022288261515  
6017830609212481426448736998514115898959881129271916790490341753343239227340267459138187  
2213967310549777117384843982169390787518573551263} 224 repeating digits r=1 One/ 3  
1/675 = 0.00{148} 3 repeating digits r=-1 do not use first 2 digits  
1/677 = 0.  
{001477104874446085672082717872968980797636632200886262924667651403249630723781388478581  
9793205317577548005908419497784342688330871491875923190546528803545051698670605612998522  
8951255539143279172821270310192023633677991137370753323485967503692762186115214180206794  
682422451994091580502215657311669128508124076809453471196454948301329394387} 338 repeating  
digits r=1 One/ 2

1/679 = 0.

{001472754050073637702503681885125184094256259204712812960235640648011782032400589101620029455081} 96 repeating digits r=1

1/681 = 0.

{00146842878120411160058737151248164464023494860499265785609397944199706314243759177679882525697503671071953010279} 113 repeating digits r=1

1/683 = 0.

{00146412884333821376281112737920937042459736456808199121522693997071742313323572474377745241581259150805270863836017569546120058565153733528550512445095168374816983894582723279648609077598828696925329428989751098096632503660322108345534407027818448023426061493411420204978038067349926793557833089311859443631039531478770131771595900439238653} 341

repeating digits r=1 One/ 2

1/685 = 0.0{01459854} 8 repeating digits r=-1 do not use first 1 digits

1/687 = 0.

{001455604075691411935953420669577874818049490538573508005822416302765647743813682678311499272197962154294032023289665211062590975254730713245997088791848617176128093158660844250363901018922852983988355167394468704512372634643377} 228 repeating digits r=1

1/689 = 0.{001451378809869375907111756168359941944847605224963715529753265602322206095791} 78 repeating digits r=1

1/691 = 0.

{00144717800289435600578871201157742402315484804630969609261939218523878437047756874095513748191027496382054992764109985528219971056439942112879884225759768451519536903039073806078147612156295224312590448625180897250361794500723589} 230 repeating digits r=1 One/ 3

1/693 = 0.{001443} 6 repeating digits r=1

1/695 = 0.0{0143884892086330935251798561151079136690647482} 46 repeating digits r=-1 do not use first 1 digits

1/697 = 0.

{00143472022955523672883787661406025824964131994261119081779053084648493543758967} 80 repeating digits r=1

1/699 = 0.

{0014306151645207439198855507868383404864091559370529327610872675250357653791130185979971387696709585121602288984263233190271816881258941344778254649499284692417739628040057224606580829756795422031473533619456366237482117310443490701} 232 repeating digits r=1

1/701 = 0.

{0014265335235378031383737517831669044222539229671897289586305278174037089871611982881597717546362339514978601997146932952924393723252496433666191155492154065620542082738944365192582025677603423680456490727532097004279600570613409415121255349500713266761768901569186875891583452211126961483594864479315263908701854493580599144079885877318116975748930099857346647646219686162624821683309557774607703281027104136947218259629101283880171184022824536376604850213980028530670470756062767475035663338088445078459343794579172610556348074179743223965763195435092724679029957203994293865905848787446504992867332382310984308131241084165477888730385164051355206847360912981455064194008559201141226818830242510699} 700 repeating digits r=1 One/ 1

700 repeating digits r=1 One/ 1

1/703 = 0.{001422475106685633} 18 repeating digits r=1 One/ 39

1/705 = 0.0{0141843971631205673758865248226950354609929078} 46 repeating digits r=-1 do not use first 1 digits

1/707 = 0.{001414427157} 12 repeating digits r=1

1/709 = 0.

{001410437235543018335684062059238363892806770098730606488011283497884344146685472496473906911142454160789844851904090267983074753173483779971791255289139633286318758815232722143864598025387870239774330042313117066290550070521861777150916784203102961918194640338504936530324400564174894217207334273624823695345557122708039492242595204513399153737658674188998589562764456981664315937940761636107193229901269393511988716502115655853314527503526093088857545839210155148095909732016925246826516220028208744710860366713681241184767277856135401974612129760225669957686882933709449929478138222849083215796897038081805359661



4950634696755994358251057827926657263751763046544428772919605077574047954866008462623413  
25811} 708 repeating digits r=1 One/ 1  
1/711 = 0.{0014064697609} 13 repeating digits r=1  
1/713 = 0.  
{001402524544179523141654978962131837307152875175315568022440392706872370266479663394109  
3969144460028050490883590462833099579242636746143057503506311360448807854137447405329593  
2678821879382889200561009817671809256661991584852734922861150070126227208976157082748948  
1065918653576437587657784011220196353436185133239831697054698457223} 330 repeating digits  
r=1  
1/715 = 0.0{013986} 6 repeating digits r=-1 do not use first 1 digits One/ 119  
1/717 = 0.{0013947} 7 repeating digits r=1  
1/719 = 0.  
{001390820584144645340751043115438108484005563282336578581363004172461752433936022253129  
3463143254520166898470097357440890125173852573018080667593880389429763560500695410292072  
3226703755215577190542420027816411682892906815020862308762169680111265646731571627260083  
4492350486787204450625869262865090403337969401947148817802503477051460361613351877607788  
59527121} 359 repeating digits r=1 One/ 2  
1/721 = 0.  
{001386962552011095700416088765603328710124826629680998613037447988904299583911234396671  
289875173370319} 102 repeating digits r=1  
1/723 = 0.{001383125864453665283540802213} 30 repeating digits r=1  
1/725 = 0.00{1379310344827586206896551724} 28 repeating digits r=-1 do not use first 2 digits  
1/727 = 0.  
{001375515818431911966987620357634112792297111416781292984869325997248968363136176066024  
7592847317744154057771664374140302613480055020632737276478679504814305364511691884456671  
2517193947730398899587345254470426409903713892709766162310866574965612104539202200825309  
4910591471801925722145804676753782668500687757909215955983493810178817056396148555708390  
6464924346629986244841815680880330123796423658872077028885832187070151306740027510316368  
6382393397524071526822558459422283356258596973865199449793672627235213204951856946354883  
0811554332874828060522696011004126547455295735900962861072902338376891334250343878954607  
9779917469050894085281980742778541953232462173314993122420907840440165061898211829436038  
51444291609353507565337} 726 repeating digits r=1 One/ 1  
1/729 = 0.  
{001371742112482853223593964334705075445816186556927297668038408779149519890260631} 81  
repeating digits r=1  
1/731 = 0.  
{001367989056087551299589603283173734610123119015047879616963064295485636114911080711354  
3091655266757865937072503419972640218878248974008207934336525307797537619699042407660738  
7140902872777017783857729138166894664842681258549931600547195622435020519835841313269493  
8440492476060191518467852257181942544459644322845417236662106703146374829} 336 repeating  
digits r=1  
1/733 = 0.{0013642564802182810368349249658935879945429740791268758526603} 61 repeating digits  
r=1 One/ 12  
1/735 = 0.0{013605442176870748299319727891156462585034} 42 repeating digits r=-1 do not use first 1  
digits  
1/737 = 0.{001356852103120759837177747625508819538670284938941655359565807327} 66 repeating  
digits r=1  
1/739 = 0.  
{001353179972936400541271989174560216508795669824086603518267929634641407307171853856562  
9228687415426251691474966170500676589986468200270635994587280108254397834912043301759133  
96481732070365358592692828146143437077131258457374830852503382949932341} 246 repeating  
digits r=1 One/ 3  
1/741 = 0.{001349527665317139} 18 repeating digits r=1  
1/743 = 0.  
{001345895020188425302826379542395693135935397039030955585464333781965006729475100942126  
5141318977119784656796769851951547779273216689098250336473755047106325706594885598923283

9838492597577388963660834454912516823687752355316285329744279946164199192462987886944818  
3041722745625841184387617765814266487213997308209959623149394347240915208613728129205921  
9380888290713324360699865410497981157469717362045760430686406460296096904441453566621803  
4993270524899057873485868102288021534320323014804845222072678331090174966352624495289367  
4293405114401076716016150740242261103633916554508748317631224764468371467025572005383580  
0807537012113055181695827725437415881561238223418573351278600269179004037685060565275908  
479138627187079407806191117092866756393} 742 repeating digits r=1 One/ 1

1/745 =

0.0{0134228187919463087248322147651006711409395973154362416107382550335570469798657718120  
805369127516778523489932885906040268456375838926174496644295302} 148 repeating digits r=-1 do  
not use first 1 digits

1/747 = 0.{00133868808567603748326639892904953145917} 41 repeating digits r=1

1/749 = 0.

{001335113484646194926568758344459279038718291054739652870493991989319092122830440587449  
9332443257676902536715620827770360480640854472630173564753004005340453938584779706275033  
3778371161548731642189586114819759679572763684913217623497997329773030707610146862483311  
0814419225634178905206942590120160213618157543391188251} 318 repeating digits r=1

1/751 = 0.

{001331557922769640479360852197070572569906790945406125166444740346205059920106524633821  
57123834886817576564580559254327563249} 125 repeating digits r=1 One/ 6

1/753 = 0.{00132802124833997343957503320053120849933598937583} 50 repeating digits r=1

1/755 = 0.0{013245033112582781456953642384105960264900662251655629139072847682119205298} 75  
repeating digits r=-1 do not use first 1 digits

1/757 = 0.{001321003963011889035667107} 27 repeating digits r=1 One/ 28

1/759 = 0.{0013175230566534914361} 22 repeating digits r=1

1/761 = 0.

{001314060446780551905387647831800262812089356110381077529566360052562417871222076215505  
9132720105124835742444152431011826544021024967148488830486202365308804204993429697766097  
2404730617608409986859395532194480946123521681997371879106438896189224704336399474375821  
2877792378449408672798948751642575558475689881734559789750328515111695137976346911957950  
06570302233902759526938239159} 380 repeating digits r=1 One/ 2

1/763 = 0.

{001310615989515072083879423328964613368283093053735255570117955439056356487549148099606  
815203145478374836173} 108 repeating digits r=1

1/765 = 0.0{0130718954248366} 16 repeating digits r=-1 do not use first 1 digits

1/767 = 0.

{001303780964797913950456323337679269882659713168187744458930899608865710560625814863102  
998696219035202086049543676662320730117340286831812255541069100391134289439374185136897}  
174 repeating digits r=1

1/769 = 0.

{001300390117035110533159947984395318595578673602080624187256176853055916775032509752925  
8777633289986996098829648894668400520156046814044213263979193758127438231469440832249674  
90247074122236671} 192 repeating digits r=1 One/ 4

1/771 = 0.

{001297016861219195849546044098573281452658884565499351491569390402075226977950713359273  
6705577172503242542153047989623865110246433203631647211413748378728923476005188067444876  
783398184176394293125810635538261997405966277561608300907911802853437094682230869} 256  
repeating digits r=1

1/773 = 0.

{001293661060802069857697283311772315653298835705045278137128072445019404915912031047865  
4592496765847347994825355756791720569210866752910737386804657179818887451487710219922380  
336351875808538163} 193 repeating digits r=1 One/ 4

1/775 = 0.00{129032258064516} 15 repeating digits r=-1 do not use first 2 digits

1/777 = 0.{001287} 6 repeating digits r=1

1/779 = 0.

{001283697047496790757381258023106546854942233632862644415917843388960205391527599486521  
181} 90 repeating digits r=1

1/781 = 0.{0012804097311139564660691421254801536491677336747759282970550576184379} 70  
repeating digits r=1

1/783 = 0.

{001277139208173690932311621966794380587484035759897828863346104725415070242656449553} 84  
repeating digits r=1

1/785 =

0.0{012738853503184713375796178343949044585987261146496815286624203821656050955414} 78  
repeating digits r=-1 do not use first 1 digits

1/787 = 0.

{001270648030495552731893265565438373570520965692503176620076238881829733163913595933926  
3024142312579415501905972045743329097839898348157560355781448538754764930114358322744599  
7458703939008894536213468869123252858958068614993646759847522236340533672172808132147395  
1715374841168996188055908513341804320203303684879288437102922490470139771283354510800508  
259212198221092757306226175349428208386277} 393 repeating digits r=1 One/ 2

1/789 = 0.

{001267427122940430925221799746514575411913814955640050697084917617237008871989860583016  
4765525982256020278833967046894803548795944233206590621039290240811153358681875792141951  
837769328263624841571609632446134347275031685678073510773130544993662864385297845373891}  
262 repeating digits r=1

1/791 = 0.

{001264222503160556257901390644753476611883691529709228824273072060682680151706700379266  
7509481668773704171934260429835651074589127686472819216182048040455120101137800252844500  
6321112515802781289506953223767383059418457648546144121365360303413400758533501896333754  
7408343868520859671302149178255372945638432364096080910240202275600505689} 336 repeating  
digits r=1

1/793 = 0.{001261034047919293820933165195460277427490542244640605296343} 60 repeating digits  
r=1

1/795 = 0.0{0125786163522} 13 repeating digits r=-1 do not use first 1 digits

1/797 = 0.

{001254705144291091593475533249686323713927227101631116687578419071518193224592220828105  
3952321204516938519447929736511919698870765370138017565872020075282308657465495608531994  
981179422835633626097867} 199 repeating digits r=1 One/ 4

1/799 = 0.

{001251564455569461827284105131414267834793491864831038798498122653316645807259073842302  
8785982478097622027534418022528160200250312891113892365456821026282853566958698372966207  
7596996245306633291614518147684605757196495619524405506883604505632040050062578222778473  
0913642052565707133917396745932415519399249061326658322903629536921151439299123904881101  
37672090112640801} 368 repeating digits r=1

1/801 = 0.{00124843945068664169787765293383270911360799} 44 repeating digits r=1

1/803 = 0.{00124533} 8 repeating digits r=1

1/805 = 0.0{012422360248447204968944099378881987577639751552795031055900621118} 66 repeating  
digits r=-1 do not use first 1 digits

1/807 = 0.

{001239157372986369268897149938042131350681536555142503097893432465923172242874845105328  
3767038413878562577447335811648079306071871127633209417596034696406443618339529120198265  
1796778190830235439900867410161090458488228004956629491945477075588599752168525402726146  
22057} 268 repeating digits r=1

1/809 = 0.

{001236093943139678615574783683559950556242274412855377008652657601977750309023485784919  
6538936959208899876390605686032138442521631644004944375772558714462299134734239802224969  
097651421508034610630407911} 202 repeating digits r=1 One/ 4

1/811 = 0.

{001233045622688039457459926017262638717632552404438964241676942046855733662145499383477

1886559802712700369913686806411837237977805178791615289765721331689272503082614056720098  
6436498150431565967940813810110974106041923551171393341553637484586929716399506781750924  
7842170160295930949445129469790382244143033292231812577065351418002466091245376078914919  
8520345252774352651048088779284833538840937114673242909987669543773119605425400739827373  
6128236744759556103575832305795314426633785450061652281134401972872996300863131935881627  
6202219482120838471023427866831072749691738594327990135635018495684340320591861898890258  
9395807644882860665844636251541307028360049321824907521578298397040690505548705302096177  
5585696670776818742293464858199753390875462392108508014796547472256473489519112207151664  
6115906288532675709} 810 repeating digits r=1 One/ 1

$1/813 = 0.\{00123\}$  5 repeating digits r=1

$1/815 =$

$0.0\{012269938650306748466257668711656441717791411042944785276073619631901840490797546\}$  81  
repeating digits r=-1 do not use first 1 digits

$1/817 = 0.$

$\{001223990208078335373317013463892288861689106487148102815177478580171358629130966952264$   
 $381884944920440636474908200734394124847\}$  126 repeating digits r=1

$1/819 = 0.\{001221\}$  6 repeating digits r=1

$1/821 = 0.$

$\{001218026796589524969549330085261875761266747868453105968331303288672350791717417783191$   
 $2302070645554202192448233861144945188794153471376370280146163215590742996345919610231425$   
 $0913520097442143727161997563946406820950060901339829476248477466504263093788063337393422$   
 $6552984165651644336175395858708891595615103532277710109622411693057247259439707673568818$   
 $5140073081607795371498172959805115712545676004872107186358099878197320341047503045066991$   
 $4738124238733252131546894031668696711327649208282582216808769792935444579780755176613885$   
 $5054811205846528623629719853836784409257003654080389768574908647990255785627283800243605$   
 $3593179049939098660170523751522533495736906211936662606577344701583434835566382460414129$   
 $1108404384896467722289890377588306942752740560292326431181485992691839220462850182704019$   
 $48842874543239951278928136419\}$  820 repeating digits r=1 One/ 1

$1/823 = 0.$

$\{001215066828675577156743620899149453219927095990279465370595382746051032806804374240583$   
 $2320777642770352369380315917375455650060753341433778857837181044957472660996354799513973$   
 $2685297691373025516403402187120291616038882138517618469015795868772782503037667071688942$   
 $8918590522478736330498177399756986634264884568651275820170109356014580801944106925880923$   
 $4507897934386391251518833535844471445929526123936816524908869987849331713244228432563791$   
 $0085054678007290400972053462940461725394896719319562575941676792223572296476306196840826$   
 $2454434993924665856622114216281895504252733900364520048602673147023086269744835965978128$   
 $7970838396111786148238153098420413122721749696233292831105710814094775212636695018226002$   
 $4301336573511543134872417982989064398541919805589307411907654921020656136087484811664641$   
 $5552855407047387606318347509113\}$  822 repeating digits r=1 One/ 1

$1/825 = 0.00\{12\}$  2 repeating digits r=-1 do not use first 2 digits One/ 412

$1/827 = 0.$

$\{001209189842805320435308343409915356711003627569528415961305925030229746070133010882708$   
 $5852478839177750906892382103990326481257557436517533252720677146311970979443772672309552$   
 $5997581620314389359129383313180169286577992744860943168077388149939540507859733978234582$   
 $8295042321644498186215235792019347037484885126964933494558645707376058041112454655380894$   
 $80048367593712212817412333736396614268440145102781136638452237\}$  413 repeating digits r=1 One/ 2

$1/829 = 0.$

$\{001206272617611580217129071170084439083232810615199034981905910735826296743063932448733$   
 $4137515078407720144752714113389626055488540410132689987937273823884197828709288299155609$   
 $1676718938480096501809408926417370325693606755126658624849215922798552472858866103739445$   
 $1145958986731\}$  276 repeating digits r=1 One/ 3

$1/831 = 0.\{001203369434416365824308062575210589651022864019253910950661853188929\}$  69  
repeating digits r=1

$1/833 = 0.$

$\{001200480192076830732292917166866746698679471788715486194477791116446578631452581032412$

9651860744297719087635054021608643457382953181272509003601440576230492196878751500600240  
0960384153661464585834333733493397358943577430972388955582232893157262905162064825930372  
1488595438175270108043217286914765906362545018007202881152460984393757503} 336 repeating  
digits r=1  
1/835 =  
0.0{0119760479041916167664670658682634730538922155688622754491017964071856287425149700598  
802395209580838323353293413173652694610778443113772455089820359281437125748502994} 166  
repeating digits r=-1 do not use first 1 digits  
1/837 = 0.{001194743130227} 15 repeating digits r=1  
1/839 = 0.  
{001191895113230035756853396901072705601907032181168057210965435041716328963051251489868  
8915375446960667461263408820023837902264600715137067938021454112038140643623361144219308  
7008343265792610250297973778307508939213349225268176400476758045292014302741358760429082  
2407628128724672228843861740166865315852205005959475566150178784266984505363528009535160  
90584028605482717520858164481525625744934445768772348033373063170441} 419 repeating digits  
r=1 One/ 2  
1/841 = 0.  
{001189060642092746730083234244946492271105826397146254458977407847800237812128418549346  
0166468489892984542211652794292508917954815695600475624256837098692033293697978596908442  
3305588585017835909631391200951248513674197384066587395957193816884661117717003567181926  
2782401902497027348394768133174791914387633769322235434007134363852556480380499405469678  
9536266349583828775267538644470868014268727705112960760998810939357907253269916765755053  
5077288941736028537455410225921521997621878715814506539833531510107015457788347205707491  
0820451843043995243757431629013079667063020214030915576694411414982164090368608799048751  
4863258026159334126040428061831153388822829964328180737217598097502972651605231866825208  
0856123662306777645659928656361474435196195005945303210463733650416171224732461355529131  
985731272294887039239} 812 repeating digits r=1  
1/843 = 0.{0011862396204033214709371293} 28 repeating digits r=1  
1/845 =  
0.0{011834319526627218934911242603550295857988165680473372781065088757396449704142} 78  
repeating digits r=-1 do not use first 1 digits  
1/847 = 0.{001180637544273907910271546635182998819362455726092089728453364817} 66 repeating  
digits r=1  
1/849 = 0.  
{001177856301531213191990577149587750294464075382803297997644287396937573616018845700824  
499411071849234393404004711425206124852767962308598351} 141 repeating digits r=1  
1/851 = 0.{001175088131609870740305522914218566392479435957696827262044653349} 66 repeating  
digits r=1  
1/853 = 0.  
{001172332942555685814771395076201641266119577960140679953106682297772567409144196951934  
3493552168815943728018757327080890973036342321219226260257913247362250879249706916764361  
07854630715123094958968347010550996483} 213 repeating digits r=1 One/ 4  
1/855 = 0.0{011695906432748538} 18 repeating digits r=-1 do not use first 1 digits  
1/857 = 0.  
{001166861143523920653442240373395565927654609101516919486581096849474912485414235705950  
991831971995332554259043173862310385064177362893815635939323220536756126021003500583430  
5717619603267211201866977829638273045507584597432905484247374562427071178529754959159859  
9766627771295215869311551925320886814469078179696616102683780630105017502917152858809801  
6336056009334889148191365227537922987164527421236872812135355892648774795799299883313885  
6476079346557759626604434072345390898483080513418903150525087514585764294049008168028004  
6674445740956826137689614935822637106184364060676779463243873978996499416569428238039673  
2788798133022170361726954492415402567094515752625437572928821470245040840140023337222870  
4784130688448074679113185530921820303383897316219369894982497082847141190198366394399066  
51108518086347724620770128354725787631271878646441073512252042007} 856 repeating digits r=1  
One/ 1  
1/859 = 0.{00116414435389988358556461} 26 repeating digits r=1 One/ 33

1/861 = 0.{001161440185830429732868757259} 30 repeating digits r=1

1/863 = 0.

{0011587485515643105446118192352259559675550405561993047508690614136732329084588644264194669756662804171494785631517960602549246813441483198146002317497103128621089223638470451911935110081112398609501738122827346465816917728852838933951332560834298957126303592120509849362688296639629200463499420625724217844727694090382387022016222479721900347624565469293163383545770567786790266512166859791425260718424101969872537659327925840092699884125144843568945538818076477404403244495944380069524913093858632676709154113557358053302433371958285052143684820393974507531865585168018539976825028968713789107763615295480880648899188876013904982618771726535341830822711471610660486674391657010428736964078794901506373117033603707995365005793742757821552723059096176129779837775202780996523754345307068366164542294322132097334878331402085747392815758980301274623406720741599073} 862 repeating digits r=1 One/ 1

1/865 = 0.0{0115606936416184971098265895953757225433526} 43 repeating digits r=-1 do not use first 1 digits

1/867 = 0.

{00115340253748558246828143021914648212226066897347174163783160322952710495963091118800461361014994232987312572087658592848904267589388696655132641291810841983852364475201845444059976931949250288350634371395617070357554786620530565167243367935409457900807381776239907727797} 272 repeating digits r=1

1/869 = 0.{00115074798619102416570771} 26 repeating digits r=1

1/871 = 0.{001148105625717566016073478760045924225028702640642939150401836969} 66 repeating digits r=1

1/873 = 0.

{001145475372279495990836197021764032073310423825887743413516609392898052691867124856815578465063} 96 repeating digits r=1

1/875 = 0.001{142857} 6 repeating digits r=-1 do not use first 3 digits

1/877 = 0.

{001140250855188141391106043329532497149372862029646522234891676168757126567844925883694412770809578107183580387685290763968072976054732041049030786773090079817559863169897377423033067274800456100342075256556442417331812998859749144811858608893956670467502850627137970353477765108323831242873432155074116305587229190421892816419612314709236031927023945267958950969213226909920182440136830102622576966932725199543899657924743443557582668187} 438 repeating digits r=1 One/ 2

1/879 = 0.

{00113765642775881683731513083048919226393629124004550625711035267349260523321956769055745164960182025028441410693970420932878270762229806598407281} 146 repeating digits r=1

1/881 = 0.

{00113507377979568671963677639046538024971623155505107832009080590238365493757094211123723041997729852440408626560726447219069239500567536889897843359818388195232690124858115777525539160045402951191827468785471055618615209988649262202043132803632236095346197502837684449489216799091940976163450624290578887627695800227014755959137343927355278093076049943246311010215664018161180476730987514188422247446083995459704880817253121452894438138479} 440 repeating digits r=1 One/ 2

1/883 = 0.

{001132502831257078142695356738391845979614949037372593431483578708946772366930917327293318233295583238958097395243488108720271800679501698754246885617214043035107587768969422423556058890147225368063420158550396375990939977349943374858437146092865232163080407701019252548131370328425821064552661381653454133635334088335220838052095130237825594563986409966024915062287655719139297848244620611551528878822197055492638731596828992072480181200453} 441 repeating digits r=1 One/ 2

1/885 = 0.0{0112994350282485875706214689265536723163841807909604519774} 58 repeating digits r=-1 do not use first 1 digits

1/887 = 0.

{0011273957158962795941375422773393461104847801578354002254791431792559188275084554678692220969560315670800450958286358511837655016910935738444193912063134160090191657271702367

5310033821871476888387824126268320180383314543404735062006764374295377677564825253664036  
0766629086809470124013528748590755355129650507328072153325817361894024802705749718151071  
0259301014656144306651634723788049605411499436302142051860202931228861330326944757609921  
0822998872604284103720405862457722660653889515219842164599774520856820744081172491544532  
1307779030439684329199549041713641488162344983089064261555806087936865839909808342728297  
6324689966178128523111612175873731679819616685456595264937993235625704622322435174746335  
9639233370913190529875986471251409244644870349492671927846674182638105975197294250281848  
9289740698985343855693348365276211950394588500563697857948139797068771138669673055242390  
0789177} 886 repeating digits r=1 One/ 1  
1/889 = 0.{001124859392575928008998875140607424071991} 42 repeating digits r=1  
1/891 = 0.{001122334455667789} 18 repeating digits r=1  
1/893 = 0.  
{001119820828667413213885778275475923852183650615901455767077267637178051511758118701007  
8387458006718924972004479283314669652855543113101903695408734602463605823068309070548712  
2060470324748040313549832026875699888017917133258678611422172452407614781634938409854423  
2922732362821948488241881298992161254199328107502799552071668533034714445688689809630459  
126539753639417693169092945128779395296752519596864501679731243} 414 repeating digits r=1  
1/895 =  
0.0{0111731843575418994413407821229050279329608938547486033519553072625698324022346368715  
0837988826815642458100558659217877094972067039106145251396648044692737430167597765363128  
49162} 178 repeating digits r=-1 do not use first 1 digits  
1/897 = 0.{001114827201783723522853957636566332218506131549609810479375696767} 66 repeating  
digits r=1  
1/899 = 0.  
{001112347052280311457174638487208008898776418242491657397107897664071190211345939933259  
176863181312569521690767519466073414905450500556173526140155728587319243604004493882091  
2124582869855394883203559510567296996662958843159065628476084538375973303670745272525027  
8086763070077864293659621802002224694104560622914349276974416017797552836484983314794215  
795328142380422691879866518353726362625139043381535038932146829810901} 420 repeating digits  
r=1  
1/901 = 0.  
{001109877913429522752497225305216426193118756936736958934517203107658157602663706992230  
8546059933407325194228634850166481687014428412874583795782463928967813540510543840177580  
466148723640399556048834628190899} 208 repeating digits r=1  
1/903 = 0.{001107419712070874861572535991140642303433} 42 repeating digits r=1  
1/905 =  
0.0{0110497237569060773480662983425414364640883977900552486187845303867403314917127071823  
2044198895027624309392265193370165745856353591160220994475138121546961325966850828729281  
7679558} 180 repeating digits r=-1 do not use first 1 digits  
1/907 = 0.  
{001102535832414553472987872105843439911797133406835722160970231532524807056229327453142  
2271223814773980154355016538037486218302094818081587651598676957} 151 repeating digits r=1  
One/ 6  
1/909 = 0.{0011} 4 repeating digits r=1 One/ 227  
1/911 = 0.  
{001097694840834248079034028540065861690450054884742041712403951701427003293084522502744  
2371020856201975850713501646542261251372118551042810098792535675082327113062568605927552  
1405049396267837541163556531284302963776070252469813391877058177826564215148188803512623  
4906695938529088913282107574094401756311745334796926454445664105378704720087815587266739  
8463227222832052689352360043907793633369923161361141602634467618002195389681668496158068  
0570801317233809} 455 repeating digits r=1 One/ 2  
1/913 = 0.  
{0010952902519167579408543263964950711938663745892661555312157721796276013143483023} 82  
repeating digits r=1  
1/915 = 0.0{010928961748633879781420765027322404371584699453551912568306} 60 repeating digits  
r=-1 do not use first 1 digits

1/917 = 0.

{001090512540894220283533260632497273718647764449291166848418756815703380588876772082878  
9531079607415485278080697928026172300981461286804798255179934569247546346782988004362050  
1635768811341330425299890948745910577971646673936750272628135223555070883315158124318429  
6619411123227917121046892039258451472191930207197382769901853871319520174482006543075245  
365321701199563794983642311886586695747} 390 repeating digits r=1

1/919 = 0.

{001088139281828073993471164309031556039173014145810663764961915125136017410228509249183  
8955386289445048966267682263329706202393906420021762785636561479869423286180631120783460  
2829162132752992383025027203482045701849836779107725788900979325353645266594124047878128  
4004352557127312295973884657236126224156692056583242655059847660500544069640914036996735  
5821545157780195865070729053318824809575625680087051142546245919477693144722524483133841  
13166485310119695321} 459 repeating digits r=1 One/ 2

1/921 = 0.

{001085776330076004343105320304017372421281216069489685124864277958740499457111834961997  
828447339847991313789359391965255157437567861020629750271444082519} 153 repeating digits r=1  
1/923 = 0.

{001083423618634886240520043336944745395449620801733477789815817984832069339111592632719  
3932827735644637053087757313109425785482123510292524377031419284940411700975081256771397  
61646803900325027085590465872156013} 210 repeating digits r=1

1/925 = 0.00{108} 3 repeating digits r=-1 do not use first 2 digits One/ 308

1/927 = 0.{0010787486515641855447680690399137} 34 repeating digits r=1

1/929 = 0.

{001076426264800861141011840688912809472551130247578040904198062432723358449946178686759  
9569429494079655543595263724434876210979547900968783638320775026910656620021528525296017  
2228202368137782561894510226049515608180839612486544671689989235737351991388589881593110  
8719052744886975242195909580193756727664155005382131324004305705059203444564047362755651  
2378902045209903121636167922497308934337997847147470398277717976318622174381054897739504  
8439181916038751345532831} 464 repeating digits r=1 One/ 2

1/931 = 0.

{001074113856068743286788399570354457572502685284640171858216970998925886143931256713211  
600429645542427497314715359828141783029} 126 repeating digits r=1

1/933 = 0.

{001071811361200428724544480171489817792068595927116827438370846730975348338692390139335  
47695605573419078242229367631296891747052518756698821007502679528403} 155 repeating digits  
r=1

1/935 = 0.0{0106951871657754} 16 repeating digits r=-1 do not use first 1 digits

1/937 = 0.

{001067235859124866595517609391675560298826040554962646744930629669156883671291355389541  
0885805763073639274279615795090715048025613660618996798292422625400213447171824973319103  
5218783351120597652081109925293489861259338313767342582710779082177161152614727854855923  
1590181430096051227321237993596584845250800426894343649946638207043756670224119530416221  
9850586979722518676627534685165421558164354322305229455709711846318036286019210245464247  
5987193169690501600853788687299893276414087513340448239060832443970117395944503735325506  
9370330843116328708644610458911419423692636072572038420490928495197438633938100320170757  
7374599786552828175026680896478121664887940234791889007470651013874066168623265741728922  
0917822838847385272145144076840981856990394877267876200640341515474919957310565635005336  
1792956243329775880469583778014941302027748132337246531483457844183564567769477054429028  
815368196371398078975453575240128068303094983991462113127} 936 repeating digits r=1 One/ 1

1/939 = 0.

{001064962726304579339723109691160809371671991480298189563365282215122470713525026624068  
1576144834930777422790202342917997870074547390841320553780617678381256656017039403620873  
2694355697550585729499467518636847710330138445154419595314164004259850905218317358892438  
7646432374866879659211927582534611288604898828541} 312 repeating digits r=1

1/941 = 0.

{001062699256110520722635494155154091392136025504782146652497343251859723698193411264612



1147715196599362380446333687566418703506907545164718384697130712008501594048884165781083  
9532412327311370882040382571732199787460148777895855472901168969181721572794899043570669  
5005313496280552603613177470775770456960680127523910733262486716259298618490967056323060  
5738575982996811902231668437832093517534537725823591923485653560042507970244420828905419  
7662061636556854410201912858660998937300743889479277364505844845908607863974495217853347  
5026567481402763018065887353878852284803400637619553666312433581296493092454835281615302  
8692879914984059511158342189160467587672688629117959617428267800212539851222104144527098  
8310308182784272051009564293304994686503719447396386822529224229543039319872476089266737  
5132837407013815090329436769394261424017003188097768331562167906482465462274176408076514  
3464399574920297555791710945802337938363443145589798087141339} 940 repeating digits r=1 One/

1  
1/943 = 0.  
{001060445387062566277836691410392364793213149522799575821845174973488865323435843054082  
71474019088016967126193} 110 repeating digits r=1

1/945 = 0.0{010582} 6 repeating digits r=-1 do not use first 1 digits  
1/947 = 0.  
{001055966209081309398099260823653643083421330517423442449841605068637803590285110876451  
9535374868004223864836325237592397043294614572333685322069693769799366420274551214361140  
4435058078141499472016895459345300950369588173178458289334741288278775079197465681098204  
8574445617740232312565997888067581837381203801478352692713833157338965153115100316789862  
7243928194297782470960929250263991552270327349524815205913410770855332629355860612460401  
2671594508975712777191129883843717} 473 repeating digits r=1 One/ 2

1/949 = 0.{001053740779768177028451} 24 repeating digits r=1  
1/951 = 0.  
{0010515247108307045215562565720294426919032597266035751840168243953732912723449} 79  
repeating digits r=1

1/953 = 0.  
{001049317943336831059811122770199370409233997901364113326337880377754459601259181532004  
1972717733473242392444910807974816369359916054564533053515215110178384050367261280167890  
8709338929695697796432318992654774396642182581322140608604407135362014690451206715634837  
3557187827911857292759706190975865687303252885624344176285414480587618048268625393494228  
7513116474291710388247639034627492130115424973767051416579223504721930745015739769150052  
4658971668415529905561385099685204616998950682056663168940188877229800629590766002098635  
8866736621196222455403987408184679958027282266526757607555089192025183630640083945435466  
9464847848898216159496327387198321091290661070304302203567681007345225603357817418677859  
3913955928646379853095487932843651626442812172088142707240293809024134312696747114375655  
8237145855194123819517313746065057712486883525708289611752360965372507869884575026232948  
5834207764952780692549842602308499475341028331584470094438614900314795383} 952 repeating  
digits r=1 One/ 1

1/955 =  
0.0{0104712041884816753926701570680628272251308900523560209424083769633507853403141361256  
5445026178} 95 repeating digits r=-1 do not use first 1 digits  
1/957 = 0.{0010449320794148380355276907} 28 repeating digits r=1  
1/959 = 0.{001042752867570385818561} 24 repeating digits r=1  
1/961 = 0.

{001040582726326742976066597294484911550468262226847034339229968782518210197710718002081  
1654526534859521331945889698231009365244536940686784599375650364203954214360041623309053  
0697190426638917793964620187304890738813735691987513007284079084287200832466181061394380  
8532778355879292403746097814776274713839750260145681581685744016649323621227887617065556  
7117585848074921956295525494276795005202913631633714880332986472424557752341311134235171  
69614984391259105098855359} 465 repeating digits r=1

1/963 = 0.{00103842159916926272066458982346832814122533748701973} 53 repeating digits r=1  
1/965 =  
0.0{0103626943005181347150259067357512953367875647668393782383419689119170984455958549222  
7979274611398963730569948186528497409326424870466321243523316062176165803108808290155440  
4145077720207253886} 192 repeating digits r=-1 do not use first 1 digits

1/967 = 0.

{001034126163391933815925542916235780765253360910031023784901758014477766287487073422957  
6008273009307135470527404343329886246122026887280248190279214064115822130299896587383660  
8066184074457083764219234746639089968976215098241985522233712512926577042399172699069286  
45294725956566701137538779731127197518097207859358841778697} 322 repeating digits r=1 One/ 3

1/969 = 0.

{001031991744066047471620227038183694530443756449948400412796697626418988648090815273477  
812177502579979360165118679050567595459236326109391124871} 144 repeating digits r=1

1/971 = 0.

{001029866117404737384140061791967044284243048403707518022657054582904222451081359423274  
9742533470648815653964984552008238928939237899073120494335736354273944387229660144181256  
4366632337796086508753861997940267765190525231719876416065911431513903192584963954685890  
8341915550978372811534500514933058702368692070030895983522142121524201853759011328527291  
4521112255406797116374871266735324407826982492276004119464469618949536560247167868177136  
9721936148300720906282183316168898043254376930998970133882595262615859938208032955715756  
9515962924819773429454170957775489186405767250257466529351184346035015447991761071060762  
1009268795056642636457260556127703398558187435633367662203913491246138002059732234809474  
7682801235839340885684860968074150360453141091658084449021627188465499485066941297631307  
9299691040164778578784757981462409886714727085478887744593202883625128733264675592173017  
5077239958805355303810504634397528321318228630278063851699279093717816683831101956745623  
069} 970 repeating digits r=1 One/ 1

1/973 = 0.

{001027749229188078108941418293936279547790339157245632065775950668036998972250770811921  
891058581706063720452209660842754367934224049331963} 138 repeating digits r=1

1/975 = 0.00{102564} 6 repeating digits r=-1 do not use first 2 digits

1/977 = 0.

{001023541453428863868986693961105424769703172978505629477993858751279426816786079836233  
3674513817809621289662231320368474923234390992835209825997952917093142272262026612077789  
1504605936540429887410440122824974411463664278403275332650972364380757420675537359263050  
1535312180143295803480040941658137154554759467758444216990788126919140225179119754350051  
1770726714431934493346980552712384851586489252814738996929375639713408393039918116683725  
6908904810644831115660184237461617195496417604912998976458546571136131013306038894575230  
2968270214943705220061412487205731832139201637666325486182190378710337768679631525076765  
6090071647901740020470829068577277379733879222108495394063459570112589559877175025588536  
3357215967246673490276356192425793244626407369498464687819856704196519959058341862845445  
2405322415557830092118730808597748208802456499488229273285568065506653019447287615148413  
5107471852610030706243602865916069600818833162743091095189355168884339815762538382804503  
582395087} 976 repeating digits r=1 One/ 1

1/979 = 0.{00102145045965270684371807967313585291113381} 44 repeating digits r=1

1/981 = 0.

{001019367991845056065239551478083588175331294597349643221202854230377166156982670744138  
634046890927624872579} 108 repeating digits r=1

1/983 = 0.

{001017293997965412004069175991861648016276703967446592065106815869786368260427263479145  
4730417090539165818921668362156663275686673448626653102746693794506612410986775178026449  
6439471007121057985757884028484231943031536113936927772126144455747711088504577822990844  
3540183112919633774160732451678535096642929806714140386571719226856561546286876907426246  
1851475076297049847405900305188199389623601220752797558494404883011190233977619532044760  
9359104781281790437436419125127161749745676500508646998982706002034587995930824008138351  
9837232960325534079348931841302136317395727365208545269582909460834181078331637843336724  
3133265513733468972533062054933875890132248219735503560528992878942014242115971515768056  
9684638860630722278738555442522889114954221770091556459816887080366225839267548321464903  
3570701932858596134282807731434384537131230925737538148524923702950152594099694811800610  
3763987792472024415055951169888097660223804679552390640895218718209562563580874872838250  
254323499491353} 982 repeating digits r=1 One/ 1

1/985 =

0.0{01015228426395939086294416243654822335025380710659898477157360406091370558375634517766497461928934} 98 repeating digits r=-1 do not use first 1 digits

1/987 = 0.

{001013171225937183383991894630192502532928064842958459979736575481256332320162107396149949341438703140830800405268490374873353596757852077} 138 repeating digits r=1

1/989 = 0.

{001011122345803842264914054600606673407482305358948432760364004044489383215369059656218402426693629929221435793731041456016177957532861476238624873609706774519716885743174924165824064711830131445904954499494438827098078867542972699696663296258847320525783619817997977755308392315470171890798786653185035389282103134479271991911021233569261880687563195146612740141557128412537917087967644084934277047522750252780586450960566228513650151668351870576339737108190091} 462 repeating digits r=1

1/991 = 0.

{001009081735620585267406659939455095862764883955600403632694248234106962663975782038345105953582240161453077699293642785065590312815338042381432896064581231079717457114026236125126135216952573158425832492431886982845610494450050454086781029263370332996972754793138244197780020181634712411705348133198789101917255297679112008072653884964682139253279515640766902119071644803229061553985872855701311806256306760847628657921291624621594349142280524722502522704339051463168516649848637739656912209889} 495 repeating digits r=1 One/ 2

1/993 = 0.

{00100704934541792547834843907351460221550855991943605236656596173212487411883182275931520644511581067472306143} 110 repeating digits r=1

1/995 =

0.0{010050251256281407035175879396984924623115577889447236180904522613065326633165829145728643216080402} 99 repeating digits r=-1 do not use first 1 digits

1/997 = 0.

{0010030090270812437311935807422266800401203610832497492477432296890672016048144433299899699097291875626880641925777331995987963891675025075225677031093279839518555667} 166 repeating digits r=1 One/ 6

repeating digits r=1 One/ 6

1/999 = 0.{001} 3 repeating digits r=1

1/1001 = 0.{000999} 6 repeating digits r=1

1/1003 = 0.

{00099700897308075772681954137587238285144566301096709870388833499501495513459621136590229312063808574277168494516450648055832502492522432701894317048853439680957128614157527417746759720837487537387836490528414755732801595214356929212362911266201395812562313060817547357926221335992023928215353938185443668993020937188434695912263210368893320039880358923230309072781655034895314057826520438683948155533399800598205383848454636091724825523429710867397806580259222333} 464 repeating digits r=1

1/1005 = 0.0{009950248756218905472636815920398} 33 repeating digits r=-1 do not use first 1 digits

1/1007 = 0.

{000993048659384309831181727904667328699106256206554121151936444885799404170804369414101290963257199602780536246276067527308838133068520357497517378351539225422045680238331678252234359483614697120158887785501489572989076464746772591857} 234 repeating digits r=1

1/1009 = 0.

{000991080277502477700693756194251734390485629335976214073339940535183349851337958374628344895936570862239841427155599603567888999008919722497522299306243805748265609514370664023785926660059464816650148662041625371655104063429137760158572844400396432111} 252 repeating digits r=1 One/ 4

repeating digits r=1 One/ 4

1/1011 = 0.

{000989119683481701285855588526211671612265084075173095944609297725024727992087042532146389713155291790306627101879327398615232443125618199802176063303659742828882294757665677546983184965380811078140454995054401582591493570722057368941641938674579624134520276953511374876360039564787339268051434223541048466864490603363006923837784371909} 336 repeating digits r=1

$1/1013 = 0.$

{000987166831194471865745310957551826258637709772951628825271470878578479763079960513326  
7522211253701875616979269496544916090819348469891411648568608094768015794669299111549851  
924975320829220138203356367226061204343534057255676209279368213228035538005923} 253

repeating digits  $r=1$  One/ 4

$1/1015 =$

0.0{009852216748768472906403940886699507389162561576354679802955665024630541871921182266}

84 repeating digits  $r=-1$  do not use first 1 digits