

Sequence A167050

This file is a complement of my comments about the sequence A167050 on the OEIS written saturday, February 2nd 2013.

1) the Maple procedure of "Juge Ti" :

This following Maple procedure has been written by "Juge Ti" on the french mathematical forum : les-mathematiques.net on monday, February 4th 2013.

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L:=[]:
for n from 1 to 10 do
  l:=[2$ n]:i:=2:
  do
    for j from i to n do l[j]:=nextprime(l[j-1]) od:
    do
      x:=mul(l[k],k=1..n):
      if x>=10^n then break elif x>=10^(n-1) then L:=[op(L),x] fi:
      l[n]:=nextprime(l[n]):
    od:
    i:=1:while mul(l[j],j=1..i)*l[i]^(n-i)<10^n do i:=i+1 od:
    if i=1 then break else l[i-1]:=nextprime(l[i-1]) fi:
  od:
od:
sort(L);nops(L);
```

2) the sequence with the 4352 numbers :

Following this procedure of "Juge Ti", we get this finite sequence :

[2, 3, 5, 7, 10, 14, 15, 21, 22, 26, 33, 34, 35, 38, 39, 46, 51, 55, 57, 58, 62, 65, 69, 74, 77, 82, 85, 86, 87, 91, 93, 94, 95, 102, 105, 110, 114, 130, 138, 154, 165, 170, 174, 182, 186, 190, 195, 222, 230, 231, 238, 246, 255, 258, 266, 273, 282, 285, 286, 290, 310, 318, 322, 345, 354, 357, 366, 370, 374, 385, 399, 402, 406, 410, 418, 426, 429, 430, 434, 435, 438, 442, 455, 465, 470, 474, 483, 494, 498, 506, 518, 530, 534, 555, 561, 574, 582, 590, 595, 598, 602, 606, 609, 610, 615, 618, 627, 638, 642, 645, 646, 651, 654, 658, 663, 665, 670, 678, 682, 705, 710, 715, 730, 741, 742, 754, 759, 762, 777, 782, 786, 790, 795, 805, 806, 814, 822, 826, 830, 834, 854, 861, 874, 885, 890, 894, 897, 902, 903, 906, 915, 935, 938, 942, 946, 957, 962, 969, 970, 978, 986, 987, 994, 1110, 1122, 1155, 1190, 1218, 1230, 1254, 1290, 1302, 1326, 1330, 1365, 1410, 1430, 1482, 1518, 1554, 1590, 1610, 1722, 1770, 1785, 1794, 1806, 1830, 1870, 1914, 1938, 1974, 1995, 2002, 2010, 2030, 2046, 2090, 2130, 2145, 2170, 2190, 2210, 2226, 2262, 2346, 2370, 2415, 2418, 2442, 2470, 2478, 2490, 2530, 2562, 2590, 2618, 2622, 2670, 2706, 2805, 2814, 2838, 2870, 2886, 2910, 2926, 2958, 2982, 2990, 3003, 3010, 3030, 3045, 3066, 3090, 3094, 3102, 3135, 3162, 3190,

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Thank you to “Juge Ti” and “JLT” for their efficient participation and work about this sequence A167050 on the file QDV 17 (QDV = Question du Vendredi).

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