

# Overview of special smallest n-digit prime k-tuplets

Status: 22.08.2021 / most computed by Norman Luhn

page 1 : additions in 2021

page 2 - 22 : 5 to 200 digits in steps of 5

page 23 - 26 : 300 to 2000 digits in steps of 100

page 26 - 28 : 3000 to 1000000 digits (known special cases of probable primes)

„proven primes“, reference on <http://factordb.com>

## Additions in 2021

smallest prime 10-tuplet with 80 digits and each pattern

smallest googol prime 10-tuplet and each pattern

smallest prime 14-tuplet with 35 and 40 digits and each pattern

smallest 600-digit prime sextuplet

**correction: 20-digit prime quintuplet:**  $10^{19}+11687221+d, d=0,2,6,8,12$ ; found by Michael Branicky

smallest prime 15-tuplet with 30 digits and each pattern

smallest prime 20-tuplet with 30 digits and each pattern

smallest prime 21-tuplet with 30 digits and each pattern

smallest prime 17-tuplet with 25 digits and each pattern

known special cases of probable primes up to 1'000'000 digits

smallest 7000,8000 and 9000 digit prime (now proven primes)

smallest 3000,4000,5000,6000,7000,8000,9000 and 10000 digit twin primes (now proven primes)

smallest 3000,4000 and 5000 digit prime triplets (now proven primes)

smallest 20000 digit twin PRPs

smallest prime 16-tuplet with 25 digits and each pattern

smallest prime 13-tuplet with 35 and 40 digits and each pattern

smallest prime 12-tuplet with 45,50 digits and each pattern

smallest prime 9-tuplet with 85,90,95 and 101 digits and each pattern

smallest prime 8-tuplet with 150 digits and each pattern

## smallest 5-digit prime k-tuplets

k: number to pattern d

1: $10^4+7$	
2: $10^4+7+d$	d=0,2
3: $10^4+331+d$	d=0,2,6
3: $10^4+267+d$	d=0,4,6
4: $10^4+3001+d$	d=0,2,6,8
5: $10^4+6061+d$	d=0,2,6,8,12
5: $10^4+5727+d$	d=0,4,6,10,12
6: $10^4+6057+d$	d=0,4,6,10,12,16
7: $10^4+78799+d$	d=0,2,6,8,12,18,20
7: non-existent	d=0,2,8,12,14,18,20
8: non-existent	d=0,2,6,8,12,18,20,26
8: $10^4+78793+d$	d=0,6,8,14,18,20,24,26
8: non-existent	d=0,2,6,12,14,20,24,26
9: non-existent	d=0,2,6,8,12,18,20,26,30
9: non-existent	d=0,2,6,12,14,20,24,26,30
9: non-existent	d=0,4,6,10,16,18,24,28,30
9: $10^4+78789+d$	d=0,4,10,12,18,22,24,28,30
>9: non-existent	

## smallest 10-digit prime k-tuplets

k: number to pattern d

1: $10^9+7$	
2: $10^9+7+d$	d=0,2
3: $10^9+2821+d$	d=0,2,6
3: $10^9+3267+d$	d=0,4,6
4: $10^9+25261+d$	d=0,2,6,8
5: $10^9+511711+d$	d=0,2,6,8,12
5: $10^9+408807+d$	d=0,4,6,10,12
6: $10^9+2054787+d$	d=0,4,6,10,12,16
7: $10^9+12986041+d$	d=0,2,6,8,12,18,20
7: $10^9+52047679+d$	d=0,2,8,12,14,18,20
8: $10^9+42090781+d$	d=0,2,6,8,12,18,20,26
8: $10^9+340301863+d$	d=0,6,8,14,18,20,24,26
8: $10^9+81530467+d$	d=0,2,6,12,14,20,24,26
9: $10^9+42090781+d$	d=0,2,6,8,12,18,20,26,30
9: $10^9+116452627+d$	d=0,2,6,12,14,20,24,26,30
9: $10^9+1335215973+d$	d=0,4,6,10,16,18,24,28,30
9: $10^9+422475909+d$	d=0,4,10,12,18,22,24,28,30
10: non-existent	d=0,2,6,8,12,18,20,26,30,32
10: $10^9+8853497737+d$	d=0,2,6,12,14,20,24,26,30,32
>10: non-existent	

## smallest 15-digit prime k-tuplets

k: number to pattern d

1: $10^{14}+31$	
2: $10^{14}+97+d$	d=0,2
3: $10^{14}+20671+d$	d=0,2,6
3: $10^{14}+15243+d$	d=0,4,6
4: $10^{14}+945721+d$	d=0,2,6,8
5: $10^{14}+8145391+d$	d=0,2,6,8,12
5: $10^{14}+6111627+d$	d=0,4,6,10,12
6: $10^{14}+44514957+d$	d=0,4,6,10,12,16
7: $10^{14}+693558301+d$	d=0,2,6,8,12,18,20
7: $10^{14}+1582015969+d$	d=0,2,8,12,14,18,20
8: $10^{14}+6120639961+d$	d=0,2,6,8,12,18,20,26
8: $10^{14}+5783304943+d$	d=0,6,8,14,18,20,24,26
8: $10^{14}+3857608087+d$	d=0,2,6,12,14,20,24,26
9: $10^{14}+71483461681+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{14}+4143260377+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{14}+16493659893+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{14}+196744345209+d$	d=0,4,10,12,18,22,24,28,30
10: $10^{14}+1010291474551+d$	d=0,2,6,8,12,18,20,26,30,32
10: $10^{14}+764261765677+d$	d=0,2,6,12,14,20,24,26,30,32
11: $10^{14}+9319665100531+d$	d=0,2,6,8,12,18,20,26,30,32,36
11: $10^{14}+47119918235523+d$	d=0,4,6,10,16,18,24,28,30,34,36
12: $10^{14}+280284918609481+d$	d=0,2,6,8,12,18,20,26,30,32,36,42
12: $10^{14}+86460616596327+d$	d=0,6,10,12,16,22,24,30,34,36,40,42
13: non-existent	d=0,2,6,8,12,18,20,26,30,32,36,42,48
13: non-existent	d=0,4,6,10,16,18,24,28,30,34,40,46,48
13: non-existent	d=0,4,6,10,16,18,24,28,30,34,36,46,48
13: non-existent	d=0,2,8,14,18,20,24,30,32,38,42,44,48
13: non-existent	d=0,2,12,14,18,20,24,30,32,38,42,44,48
13: $10^{14}+86460616596321+d$	d=0,6,12,16,18,22,28,30,36,40,42,46,48
>13: non-existent	

## smallest 20-digit prime k-tuplets

k: number to pattern d

1: $10^{19}+51$		
2: $10^{19}+97+d$	d=0,2	
3: $10^{19}+9157+d$	d=0,2,6	
3: $10^{19}+104667+d$	d=0,4,6	
4: $10^{19}+2139271+d$	d=0,2,6,8	
5: $10^{19}+11687221+d$	d=0,2,6,8,12	<i>/ found by Michael Branicky (2021)</i>
5: $10^{19}+23029527+d$	d=0,4,6,10,12	
6: $10^{19}+896654097+d$	d=0,4,6,10,12,16	
7: $10^{19}+14594244001+d$	d=0,2,6,8,12,18,20	
7: $10^{19}+620669029+d$	d=0,2,8,12,14,18,20	
8: $10^{19}+35522856811+d$	d=0,2,6,8,12,18,20,26	
8: $10^{19}+19714046473+d$	d=0,6,8,14,18,20,24,26	
8: $10^{19}+89523144847+d$	d=0,2,6,12,14,20,24,26	
9: $10^{19}+1132866238561+d$	d=0,2,6,8,12,18,20,26,30	
9: $10^{19}+416089831087+d$	d=0,2,6,12,14,20,24,26,30	
9: $10^{19}+150070562403+d$	d=0,4,6,10,16,18,24,28,30	
9: $10^{19}+2754707169639+d$	d=0,4,10,12,18,22,24,28,30	
10: $10^{19}+5800403630281+d$	d=0,2,6,8,12,18,20,26,30,32	
10: $10^{19}+62626749564067+d$	d=0,2,6,12,14,20,24,26,30,32	
11: $10^{19}+149052637899271+d$	d=0,2,6,8,12,18,20,26,30,32,36	
11: $10^{19}+465243817302333+d$	d=0,4,6,10,16,18,24,28,30,34,36	
12: $10^{19}+149052637899271+d$	d=0,2,6,8,12,18,20,26,30,32,36,42	
12: $10^{19}+32576111141808297+d$	d=0,6,10,12,16,22,24,30,34,36,40,42	
13: $10^{19}+138452552101909921+d$	d=0,2,6,8,12,18,20,26,30,32,36,42,48	
13: $10^{19}+14979242404691673+d$	d=0,4,6,10,16,18,24,28,30,34,40,46,48	
13: $10^{19}+106500546068997303+d$	d=0,4,6,10,16,18,24,28,30,34,36,46,48	
13: $10^{19}+183703425634251529+d$	d=0,2,8,14,18,20,24,30,32,38,42,44,48	
13: $10^{19}+43408944336693799+d$	d=0,2,12,14,18,20,24,30,32,38,42,44,48	
13: $10^{19}+44468277996476391+d$	d=0,6,12,16,18,22,28,30,36,40,42,46,48	
14: $10^{19}+2870536149631655611+d$	d=0,2,6,8,12,18,20,26,30,32,36,42,48,50	1
14: $10^{19}+756418345074847279+d$	d=0,2,8,14,18,20,24,30,32,38,42,44,48,50	2
15: $10^{19}+34360646117391789301+d$	d=0,2,6,8,12,18,20,26,30,32,36,42,48,50,56	3
15: $10^{19}+7905159760365247387+d$	d=0,2,6,12,14,20,24,26,30,36,42,44,50,54,56	4
15: $10^{19}+6485850001899818467+d$	d=0,2,6,12,14,20,26,30,32,36,42,44,50,54,56	5
15: $10^{19}+4094050870111867483+d$	d=0,6,8,14,20,24,26,30,36,38,44,48,50,54,56	6
16: non-existent	d=0,4,6,10,16,18,24,28,30,34,40,46,48,54,58,60	
16: $10^{19}+37710850533373130107+d$	d=0,2,6,12,14,20,26,30,32,36,42,44,50,54,56,60	7
>16: non-existent		

<sup>1</sup> found by Vladimir Vlesycit (2006)

<sup>2</sup> found by Tony Forbes (1997)

<sup>3</sup> found by Tom Hadley (2001)

<sup>4</sup> found by Jim Morton (2001)

<sup>5</sup> found by Joerg Waldvogel (2009)

<sup>6</sup> found by Jens Kruse Andersen (2007)

<sup>7</sup> found by Tony Forbes and Joerg Waldvogel (1997)

## smallest 25-digit prime k-tuplets

k: number to pattern d

1: $10^{24}+7$	
2: $10^{24}+2731+d$	d=0,2
3: $10^{24}+6667+d$	d=0,2,6
3: $10^{24}+36873+d$	d=0,4,6
4: $10^{24}+4331251+d$	d=0,2,6,8
5: $10^{24}+23034391+d$	d=0,2,6,8,12
5: $10^{24}+40180977+d$	d=0,4,6,10,12
6: $10^{24}+3453564567+d$	d=0,4,6,10,12,16
7: $10^{24}+25587650161+d$	d=0,2,6,8,12,18,20
7: $10^{24}+15981152869+d$	d=0,2,8,12,14,18,20
8: $10^{24}+46272349651+d$	d=0,2,6,8,12,18,20,26
8: $10^{24}+93119713663+d$	d=0,6,8,14,18,20,24,26
8: $10^{24}+140617860157+d$	d=0,2,6,12,14,20,24,26
9: $10^{24}+4522792834171+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{24}+4100170677157+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{24}+2934648447963+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{24}+6976668980799+d$	d=0,4,10,12,18,22,24,28,30
10: $10^{24}+589467064712641+d$	d=0,2,6,8,12,18,20,26,30,32
10: $10^{24}+268318480740007+d$	d=0,2,6,12,14,20,24,26,30,32
11: $10^{24}+1560625170837001+d$	d=0,2,6,8,12,18,20,26,30,32,36
11: $10^{24}+1261574379991773+d$	d=0,4,6,10,16,18,24,28,30,34,36
12: $10^{24}+106831216871445181+d$	d=0,2,6,8,12,18,20,26,30,32,36,42
12: $10^{24}+186007210660142097+d$	d=0,6,10,12,16,22,24,30,34,36,40,42
13: $10^{24}+1086284058767464441+d$	d=0,2,6,8,12,18,20,26,30,32,36,42,48
13: $10^{24}+717280543871559603+d$	d=0,4,6,10,16,18,24,28,30,34,40,46,48
13: $10^{24}+3668771484617174013+d$	d=0,4,6,10,16,18,24,28,30,34,36,46,48
13: $10^{24}+1634089407242658199+d$	d=0,2,8,14,18,20,24,30,32,38,42,44,48
13: $10^{24}+429146622251113639+d$	d=0,2,12,14,18,20,24,30,32,38,42,44,48
13: $10^{24}+1327368961591338501+d$	d=0,6,12,16,18,22,28,30,36,40,42,46,48
14: $10^{24}+2426931990556579621+d$	d=0,2,6,8,12,18,20,26,30,32,36,42,48,50
14: $10^{24}+17034517150689514309+d$	d=0,2,8,14,18,20,24,30,32,38,42,44,48,50
15: $10^{24}+246552183249816179851+d$	d=0,2,6,8,12,18,20,26,30,32,36,42,48,50,56
15: $10^{24}+9162985306844349997+d$	d=0,2,6,12,14,20,24,26,30,36,42,44,50,54,56
15: $10^{24}+543345438817590469987+d$	d=0,2,6,12,14,20,26,30,32,36,42,44,50,54,56
15: $10^{24}+543338893999053267943+d$	d=0,6,8,14,20,24,26,30,36,38,44,48,50,54,56
16: $10^{24}+15074281315414986743013+d$	d=0,4,6,10,16,18,24,28,30,34,40,46,48,54,58,60
16: $10^{24}+8037335701436528651167+d$	d=0,2,6,12,14,20,26,30,32,36,42,44,50,54,56,60
17: $10^{24}+24494443639408527082233+d$	d=0,4,6,10,16,18,24,28,30,34,40,46,48,54,58,60,66
17: $10^{24}+234254817970443433617451+d$	d=0,6,8,12,18,20,26,32,36,38,42,48,50,56,60,62,66
17: $10^{24}+271960773255490350812797+d$	d=0,2,6,12,14,20,24,26,30,36,42,44,50,54,56,62,66
17: $10^{24}+341829940444122313597407+d$	d=0,4,10,12,16,22,24,30,36,40,42,46,52,54,60,64,66
18: $10^{24}+906230835046648293290043+d$	d=0,4,6,10,16,18,24,28,30,34,40,46,48,54,58,60,66,70
18: $10^{24}+1845372542509911868266807+d$	d=0,4,10,12,16,22,24,30,36,40,42,46,52,54,60,64,66,70

( $k=18$ , found by Joerg Waldvogel & Peter Leikauf, 2000/2001)

# smallest 30-digit prime k-tuplets

k: number to pattern d

1: $10^{29}+319$	
2: $10^{29}+2797+d$	d=0,2
3: $10^{29}+94897+d$	d=0,2,6
3: $10^{29}+28503+d$	d=0,4,6
4: $10^{29}+1500631+d$	d=0,2,6,8
5: $10^{29}+71475241+d$	d=0,2,6,8,12
5: $10^{29}+5046777+d$	d=0,4,6,10,12
6: $10^{29}+77882127+d$	d=0,4,6,10,12,16
7: $10^{29}+83558810971+d$	d=0,2,6,8,12,18,20
7: $10^{29}+78896353549+d$	d=0,2,8,12,14,18,20
8: $10^{29}+83558810971+d$	d=0,2,6,8,12,18,20,26
8: $10^{29}+4154056233103+d$	d=0,6,8,14,18,20,24,26
8: $10^{29}+1001585883247+d$	d=0,2,6,12,14,20,24,26
9: $10^{29}+14914650424771+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{29}+31275549714337+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{29}+18457947875343+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{24}+4154056233099+d$	d=0,4,10,12,18,22,24,28,30
10: $10^{29}+1114063441932811+d$	d=0,2,6,8,12,18,20,26,30,32
10: $10^{29}+799991850168967+d$	d=0,2,6,12,14,20,24,26,30,32
11: $10^{29}+78715840821413011+d$	d=0,2,6,8,12,18,20,26,30,32,36
11: $10^{29}+24418003636465233+d$	d=0,4,6,10,16,18,24,28,30,34,36
12: $10^{29}+189086460401854231+d$	d=0,2,6,8,12,18,20,26,30,32,36,42
12: $10^{29}+771614435438200527+d$	d=0,6,10,12,16,22,24,30,34,36,40,42
13: $10^{29}+18487752891895982911+d$	d=0,2,6,8,12,18,20,26,30,32,36,42,48
13: $10^{29}+13427005044165137643+d$	d=0,4,6,10,16,18,24,28,30,34,40,46,48
13: $10^{29}+5238550467902311893+d$	d=0,4,6,10,16,18,24,28,30,34,36,46,48
13: $10^{29}+22081569415744041319+d$	d=0,2,8,14,18,20,24,30,32,38,42,44,48
13: $10^{29}+20240263059296095789+d$	d=0,2,12,14,18,20,24,30,32,38,42,44,48
13: $10^{29}+22370766039587549751+d$	d=0,6,12,16,18,22,28,30,36,40,42,46,48
14: $10^{29}+1000754177673926741281+d$	d=0,2,6,8,12,18,20,26,30,32,36,42,48,50
14: $10^{29}+2035131598446115103869+d$	d=0,2,8,14,18,20,24,30,32,38,42,44,48,50
15: $10^{29}+5745569203832854981801+d$	d=0,2,6,8,12,18,20,26,30,32,36,42,48,50,56
15: $10^{29}+1341915517111319670637+d$	d=0,2,6,12,14,20,24,26,30,36,42,44,50,54,56
15: $10^{29}+1651438068367136632687+d$	d=0,2,6,12,14,20,26,30,32,36,42,44,50,54,56
15: $10^{29}+8317726120972779285703+d$	d=0,6,8,14,20,24,26,30,36,38,44,48,50,54,56
...	
20: $10^{29}+14601431611676407654036210321+d$	d=0,2,6,8,12,20,26,30,36,38,42,48,50,56,62,66,68,72,78,80 <sup>1</sup>
20: $10^{29}+11286948968140923889225384099+d$	d=0,2,8,12,14,18,24,30,32,38,42,44,50,54,60,68,72,74,78,80 <sup>1</sup>
21: $10^{29}+38433730977092118055599751669+d$	d=0,2,8,12,14,18,24,30,32,38,42,44,50,54,60,68,72,74,78,80,84 <sup>2</sup>
21: $10^{29}+522803914376064301858782434517+d$	d=0,4,6,10,12,16,24,30,34,40,42,46,52,54,60,66,70,72,76,82,84 <sup>3</sup>

<sup>1</sup> found by Raanan Chermoni & Jaroslaw Wroblewski (2015)

<sup>2</sup> found by Raanan Chermoni & Jaroslaw Wroblewski (2016)

<sup>3</sup> found by Raanan Chermoni & Jaroslaw Wroblewski (2018)

## smallest 35-digit prime k-tuplets

k: number to pattern d

1: $10^{34}+193$	
2: $10^{34}+7597+d$	d=0,2
3: $10^{34}+246871+d$	d=0,2,6
3: $10^{34}+818337+d$	d=0,4,6
4: $10^{34}+5046781+d$	d=0,2,6,8
5: $10^{34}+9937381+d$	d=0,2,6,8,12
5: $10^{34}+24371817+d$	d=0,4,6,10,12
6: $10^{34}+43545932607+d$	d=0,4,6,10,12,16
7: $10^{34}+1103603221+d$	d=0,2,6,8,12,18,20
7: $10^{34}+1010753083879+d$	d=0,2,8,12,14,18,20
8: $10^{34}+9941203975171+d$	d=0,2,6,8,12,18,20,26
8: $10^{34}+5830558027393+d$	d=0,6,8,14,18,20,24,26
8: $10^{34}+4990478866417+d$	d=0,2,6,12,14,20,24,26
9: $10^{34}+296573570795971+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{34}+81757229262547+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{34}+93924026059953+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{34}+396160452668229+d$	d=0,4,10,12,18,22,24,28,30
10: $10^{34}+14892690899552011+d$	d=0,2,6,8,12,18,20,26,30,32
10: $10^{34}+16047015095158567+d$	d=0,2,6,12,14,20,24,26,30,32
11: $10^{34}+203530936330667071+d$	d=0,2,6,8,12,18,20,26,30,32,36
11: $10^{34}+196173984538265823+d$	d=0,4,6,10,16,18,24,28,30,34,36
12: $10^{34}+418061226947909671+d$	d=0,2,6,8,12,18,20,26,30,32,36,42
12: $10^{34}+853866745932894777+d$	d=0,6,10,12,16,22,24,30,34,36,40,42
13: $10^{34}+15141548551355951851+d$	d=0,2,6,8,12,18,20,26,30,32,36,42,48
13: $10^{34}+94989640220894283993+d$	d=0,4,6,10,16,18,24,28,30,34,40,46,48
13: $10^{34}+325778825790175217703+d$	d=0,4,6,10,16,18,24,28,30,34,36,46,48
13: $10^{34}+108412629077454977119+d$	d=0,2,8,14,18,20,24,30,32,38,42,44,48
13: $10^{34}+54122451329461300669+d$	d=0,2,12,14,18,20,24,30,32,38,42,44,48
13: $10^{34}+324000701496110723931+d$	d=0,6,12,16,18,22,28,30,36,40,42,46,48
14: $10^{34}+1275924044876917671361+d$	d=0,2,6,8,12,18,20,26,30,32,36,42,48,50
14: $10^{34}+9283441665311798539399+d$	d=0,2,8,14,18,20,24,30,32,38,42,44,48,50

## smallest 40-digit prime k-tuplets

k: number to pattern d

1: $10^{39}+3$	
2: $10^{39}+10327+d$	d=0,2
3: $10^{39}+96841+d$	d=0,2,6
3: $10^{39}+180543+d$	d=0,4,6
4: $10^{39}+21293431+d$	d=0,2,6,8
5: $10^{39}+839088241+d$	d=0,2,6,8,12
5: $10^{39}+484580697+d$	d=0,4,6,10,12
6: $10^{39}+4735981887+d$	d=0,4,6,10,12,16
7: $10^{39}+322405388191+d$	d=0,2,6,8,12,18,20
7: $10^{39}+998925263509+d$	d=0,2,8,12,14,18,20
8: $10^{39}+20666195558461+d$	d=0,2,6,8,12,18,20,26
8: $10^{39}+71639239896853+d$	d=0,6,8,14,18,20,24,26
8: $10^{39}+2183018611627+d$	d=0,2,6,12,14,20,24,26
9: $10^{39}+1225030144620091+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{39}+85305656379157+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{39}+189164642750163+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{39}+882977245706229+d$	d=0,4,10,12,18,22,24,28,30
10: $10^{39}+5249435100188011+d$	d=0,2,6,8,12,18,20,26,30,32
10: $10^{39}+39542770967979517+d$	d=0,2,6,12,14,20,24,26,30,32
11: $10^{39}+1975273738886452891+d$	d=0,2,6,8,12,18,20,26,30,32,36
11: $10^{39}+2311139156862870183+d$	d=0,4,6,10,16,18,24,28,30,34,36
12: $10^{39}+14199474796549777621+d$	d=0,2,6,8,12,18,20,26,30,32,36,42
12: $10^{39}+78265031026823935137+d$	d=0,6,10,12,16,22,24,30,34,36,40,42
13: $10^{39}+282197071067938130221+d$	d=0,2,6,8,12,18,20,26,30,32,36,42,48
13: $10^{39}+2713562652524314606953+d$	d=0,4,6,10,16,18,24,28,30,34,40,46,48
13: $10^{39}+2334523699629280598673+d$	d=0,4,6,10,16,18,24,28,30,34,36,46,48
13: $10^{39}+349508508460276218889+d$	d=0,2,8,14,18,20,24,30,32,38,42,44,48
13: $10^{39}+368816080526066037739+d$	d=0,2,12,14,18,20,24,30,32,38,42,44,48
13: $10^{39}+349508508460276218891+d$	d=0,6,12,16,18,22,28,30,36,40,42,46,48
14: $10^{39}+14210159036148101380471+d$	d=0,2,6,8,12,18,20,26,30,32,36,42,48,50
14: $10^{39}+349508508460276218889+d$	d=0,2,8,14,18,20,24,30,32,38,42,44,48,50



## smallest 45-digit prime k-tuplets

k: number to pattern d

1: $10^{44}+31$	
2: $10^{44}+5179+d$	d=0,2
3: $10^{44}+220711+d$	d=0,2,6
3: $10^{44}+532983+d$	d=0,4,6
4: $10^{44}+3503731+d$	d=0,2,6,8
5: $10^{44}+1664400271+d$	d=0,2,6,8,12
5: $10^{44}+1408479117+d$	d=0,4,6,10,12
6: $10^{44}+31541352147+d$	d=0,4,6,10,12,16
7: $10^{44}+613612353601+d$	d=0,2,6,8,12,18,20
7: $10^{44}+1792915867549+d$	d=0,2,8,12,14,18,20
8: $10^{44}+52276144601851+d$	d=0,2,6,8,12,18,20,26
8: $10^{44}+3576011240833+d$	d=0,6,8,14,18,20,24,26
8: $10^{44}+7956561657937+d$	d=0,2,6,12,14,20,24,26
9: $10^{44}+52276144601851+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{44}+465632389077727+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{44}+1571950813548003+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{44}+259596943656189+d$	d=0,4,10,12,18,22,24,28,30
10: $10^{44}+183581530132228741+d$	d=0,2,6,8,12,18,20,26,30,32
10: $10^{44}+71293486766726977+d$	d=0,2,6,12,14,20,24,26,30,32
11: $10^{44}+5440457050056808411+d$	d=0,2,6,8,12,18,20,26,30,32,36
11: $10^{44}+2278322182624606713+d$	d=0,4,6,10,16,18,24,28,30,34,36
12: $10^{44}+172106518341892028911+d$	d=0,2,6,8,12,18,20,26,30,32,36,42
12: $10^{44}+41408120385362420817+d$	d=0,6,10,12,16,22,24,30,34,36,40,42

## smallest 50-digit prime k-tuplets

k: number to pattern d

1: $10^{49}+9$	
2: $10^{49}+8281+d$	d=0,2
3: $10^{49}+136807+d$	d=0,2,6
3: $10^{49}+1447533+d$	d=0,4,6
4: $10^{49}+58537891+d$	d=0,2,6,8 / found by G. John Stevens (1995)
5: $10^{49}+2625950761+d$	d=0,2,6,8,12
5: $10^{49}+108888657+d$	d=0,4,6,10,12
6: $10^{49}+12427403607+d$	d=0,4,6,10,12,16
7: $10^{49}+1920433761121+d$	d=0,2,6,8,12,18,20
7: $10^{49}+5649726612769+d$	d=0,2,8,12,14,18,20
8: $10^{49}+79626461485831+d$	d=0,2,6,8,12,18,20,26
8: $10^{49}+119829260675203+d$	d=0,6,8,14,18,20,24,26
8: $10^{49}+30593919062857+d$	d=0,2,6,12,14,20,24,26
9: $10^{49}+500925570224521+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{49}+5212838536064887+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{49}+3526198250883003+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{49}+1731699431041809+d$	d=0,4,10,12,18,22,24,28,30
10: $10^{49}+5620800916143211+d$	d=0,2,6,8,12,18,20,26,30,32
10: $10^{49}+921015585010336777+d$	d=0,2,6,12,14,20,24,26,30,32
11: $10^{49}+21389429204344782841+d$	d=0,2,6,8,12,18,20,26,30,32,36
11: $10^{49}+12954750883079039103+d$	d=0,4,6,10,16,18,24,28,30,34,36
12: $10^{49}+896396147387349765031+d$	d=0,2,6,8,12,18,20,26,30,32,36,42
12: $10^{49}+929532973818094710897+d$	d=0,6,10,12,16,22,24,30,34,36,40,42

## smallest 55-digit prime k-tuplets

k: number to pattern d

1: $10^{54}+31$	
2: $10^{54}+3397+d$	d=0,2
3: $10^{54}+333727+d$	d=0,2,6
3: $10^{54}+505677+d$	d=0,4,6
4: $10^{54}+70632901+d$	d=0,2,6,8
5: $10^{54}+7803702511+d$	d=0,2,6,8,12
5: $10^{54}+5276201487+d$	d=0,4,6,10,12
6: $10^{54}+202473604737+d$	d=0,4,6,10,12,16
7: $10^{54}+8659857796201+d$	d=0,2,6,8,12,18,20
7: $10^{54}+2505850148329+d$	d=0,2,8,12,14,18,20
8: $10^{54}+980321513334691+d$	d=0,2,6,8,12,18,20,26
8: $10^{54}+142480178465713+d$	d=0,6,8,14,18,20,24,26
8: $10^{54}+17979819771727+d$	d=0,2,6,12,14,20,24,26
9: $10^{54}+8563311308013451+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{54}+3740441195603467+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{54}+910226725158483+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{54}+20159113243329039+d$	d=0,4,10,12,18,22,24,28,30
10: $10^{54}+1666627511132831131+d$	d=0,2,6,8,12,18,20,26,30,32
10: $10^{54}+104616471630452017+d$	d=0,2,6,12,14,20,24,26,30,32
11: $10^{54}+57154735440903270901+d$	d=0,2,6,8,12,18,20,26,30,32,36
11: $10^{54}+33565060517714821173+d$	d=0,4,6,10,16,18,24,28,30,34,36

## smallest 60-digit prime k-tuplets

k: number to pattern d

1: $10^{59}+19$	
2: $10^{59}+9091+d$	d=0,2
3: $10^{59}+1348891+d$	d=0,2,6
3: $10^{59}+2368923+d$	d=0,4,6
4: $10^{59}+108560281+d$	d=0,2,6,8
5: $10^{59}+5357705281+d$	d=0,2,6,8,12
5: $10^{59}+1322561247+d$	d=0,4,6,10,12
6: $10^{59}+452653830357+d$	d=0,4,6,10,12,16
7: $10^{59}+19887101147311+d$	d=0,2,6,8,12,18,20
7: $10^{59}+39867948764839+d$	d=0,2,8,12,14,18,20
8: $10^{59}+729174675613831+d$	d=0,2,6,8,12,18,20,26
8: $10^{59}+128336647721443+d$	d=0,6,8,14,18,20,24,26
8: $10^{59}+67082447558197+d$	d=0,2,6,12,14,20,24,26
9: $10^{59}+34537645074778831+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{59}+13982833813936027+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{59}+24165976744068993+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{59}+21345699900951429+d$	d=0,4,10,12,18,22,24,28,30
10: $10^{59}+515161550631482971+d$	d=0,2,6,8,12,18,20,26,30,32
10: $10^{59}+2328176665207324387+d$	d=0,2,6,12,14,20,24,26,30,32
11: $10^{59}+159423129446889739801+d$	d=0,2,6,8,12,18,20,26,30,32,36
11: $10^{59}+193421153600255926293+d$	d=0,4,6,10,16,18,24,28,30,34,36

## smallest 65-digit prime k-tuplets

k: number to pattern d

1: $10^{64}+57$	
2: $10^{64}+6517+d$	d=0,2
3: $10^{64}+138427+d$	d=0,2,6
3: $10^{64}+2170947+d$	d=0,4,6
4: $10^{64}+96300631+d$	d=0,2,6,8
5: $10^{64}+1331606101+d$	d=0,2,6,8,12
5: $10^{64}+2592746577+d$	d=0,4,6,10,12
6: $10^{64}+472166511357+d$	d=0,4,6,10,12,16
7: $10^{64}+28564671588271+d$	d=0,2,6,8,12,18,20
7: $10^{64}+1278214952119+d$	d=0,2,8,12,14,18,20
8: $10^{64}+1735172194056301+d$	d=0,2,6,8,12,18,20,26
8: $10^{64}+758495500992223+d$	d=0,6,8,14,18,20,24,26
8: $10^{64}+282559410160327+d$	d=0,2,6,12,14,20,24,26
9: $10^{64}+93494256831594241+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{64}+55553876510732347+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{64}+107092103945219433+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{64}+22247863271360409+d$	d=0,4,10,12,18,22,24,28,30
10: $10^{64}+5010524216556033301+d$	d=0,2,6,8,12,18,20,26,30,32
10: $10^{64}+3300451182365708737+d$	d=0,2,6,12,14,20,24,26,30,32

## smallest 70-digit prime k-tuplets

k: number to pattern d

1: $10^{69}+9$	
2: $10^{69}+38119+d$	d=0,2
3: $10^{69}+357217+d$	d=0,2,6
3: $10^{69}+2861397+d$	d=0,4,6
4: $10^{69}+6290401+d$	d=0,2,6,8
5: $10^{69}+3230007541+d$	d=0,2,6,8,12
5: $10^{69}+2578024617+d$	d=0,4,6,10,12
6: $10^{69}+1611641625027+d$	d=0,4,6,10,12,16
7: $10^{69}+170323481556961+d$	d=0,2,6,8,12,18,20
7: $10^{69}+5441995969219+d$	d=0,2,8,12,14,18,20
8: $10^{69}+2331606916446421+d$	d=0,2,6,8,12,18,20,26
8: $10^{69}+2125709156175583+d$	d=0,6,8,14,18,20,24,26
8: $10^{69}+2567910238163827+d$	d=0,2,6,12,14,20,24,26
9: $10^{69}+238786075528107721+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{69}+29218688948555617+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{69}+133362849389750253+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{69}+2125709156175579+d$	d=0,4,10,12,18,22,24,28,30
10: $10^{69}+4792790433845661091+d$	d=0,2,6,8,12,18,20,26,30,32
10: $10^{69}+7860460416945229177+d$	d=0,2,6,12,14,20,24,26,30,32

## smallest 75-digit prime k-tuplets

k: number to pattern d

1: $10^{74}+207$	
2: $10^{74}+19219+d$	d=0,2
3: $10^{74}+861427+d$	d=0,2,6
3: $10^{74}+376953+d$	d=0,4,6
4: $10^{74}+274350511+d$	d=0,2,6,8
5: $10^{74}+752645371+d$	d=0,2,6,8,12
5: $10^{74}+2995061787+d$	d=0,4,6,10,12
6: $10^{74}+961547012367+d$	d=0,4,6,10,12,16
7: $10^{74}+32887343861521+d$	d=0,2,6,8,12,18,20
7: $10^{74}+88298178151969+d$	d=0,2,8,12,14,18,20
8: $10^{74}+1023452033356111+d$	d=0,2,6,8,12,18,20,26
8: $10^{74}+3305820024393463+d$	d=0,6,8,14,18,20,24,26
8: $10^{74}+422917907396737+d$	d=0,2,6,12,14,20,24,26
9: $10^{74}+39149997678561121+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{74}+79602896195026957+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{74}+287619383224587393+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{74}+183783659848776399+d$	d=0,4,10,12,18,22,24,28,30
10: $10^{74}+7427454845683084921+d$	d=0,2,6,8,12,18,20,26,30,32
10: $10^{74}+21890582486371553287+d$	d=0,2,6,12,14,20,24,26,30,32

## smallest 80-digit prime k-tuplets

k: number to pattern d

1: $10^{79}+49$	
2: $10^{79}+30511+d$	d=0,2
3: $10^{79}+1842541+d$	d=0,2,6
3: $10^{79}+56583+d$	d=0,4,6
4: $10^{79}+171752581+d$	d=0,2,6,8
5: $10^{79}+41332120921+d$	d=0,2,6,8,12
5: $10^{79}+3648022647+d$	d=0,4,6,10,12
6: $10^{79}+3929742266607+d$	d=0,4,6,10,12,16
7: $10^{79}+184602583718071+d$	d=0,2,6,8,12,18,20
7: $10^{79}+424035709376539+d$	d=0,2,8,12,14,18,20
8: $10^{79}+6120840350368801+d$	d=0,2,6,8,12,18,20,26
8: $10^{79}+1270394909275543+d$	d=0,6,8,14,18,20,24,26
8: $10^{79}+758516531671507+d$	d=0,2,6,12,14,20,24,26
9: $10^{79}+6120840350368801+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{79}+798375645923055427+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{79}+252454825542165123+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{79}+188652899427973209+d$	d=0,4,10,12,18,22,24,28,30
10: $10^{79}+10585817703213775471+d$	d=0,2,6,8,12,18,20,26,30,32
10: $10^{79}+102136266166226877007+d$	d=0,2,6,12,14,20,24,26,30,32

## smallest 85-digit prime k-tuplets

k: number to pattern d

1: $10^{84}+261$	
2: $10^{84}+44317+d$	d=0,2
3: $10^{84}+142651+d$	d=0,2,6
3: $10^{84}+996777+d$	d=0,4,6
4: $10^{84}+94451071+d$	d=0,2,6,8
5: $10^{84}+41097457831+d$	d=0,2,6,8,12
5: $10^{84}+4579937787+d$	d=0,4,6,10,12
6: $10^{84}+4158404476497+d$	d=0,4,6,10,12,16
7: $10^{84}+132999670982251+d$	d=0,2,6,8,12,18,20
7: $10^{84}+190666610759719+d$	d=0,2,8,12,14,18,20
8: $10^{84}+17969321495792551+d$	d=0,2,6,8,12,18,20,26
8: $10^{84}+5520462364522963+d$	d=0,6,8,14,18,20,24,26
8: $10^{84}+2150422779085537+d$	d=0,2,6,12,14,20,24,26
9: $10^{84}+185810018704672351+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{84}+47554446619947157+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{84}+160519720598458173+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{84}+350046617288377989+d$	d=0,4,10,12,18,22,24,28,30

## smallest 90-digit prime k-tuplets

k: number to pattern d

1: $10^{89}+31$	
2: $10^{89}+5407+d$	d=0,2
3: $10^{89}+1435837+d$	d=0,2,6
3: $10^{89}+366153+d$	d=0,4,6
4: $10^{89}+518043391+d$	d=0,2,6,8
5: $10^{89}+4072332151+d$	d=0,2,6,8,12
5: $10^{89}+19359041247+d$	d=0,4,6,10,12
6: $10^{89}+103150304937+d$	d=0,4,6,10,12,16
7: $10^{89}+289268162598631+d$	d=0,2,6,8,12,18,20
7: $10^{89}+5381994345559+d$	d=0,2,8,12,14,18,20
8: $10^{89}+8565922593545491+d$	d=0,2,6,8,12,18,20,26
8: $10^{89}+9216074680833643+d$	d=0,6,8,14,18,20,24,26
8: $10^{89}+2513170035733747+d$	d=0,2,6,12,14,20,24,26
9: $10^{89}+1343213766375577081+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{89}+791904550511743597+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{89}+172909940212389213+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{89}+620790505134478479+d$	d=0,4,10,12,18,22,24,28,30

## smallest 95-digit prime k-tuplets

k: number to pattern d

1: $10^{94}+97$	
2: $10^{94}+121+d$	d=0,2
3: $10^{94}+1210537+d$	d=0,2,6
3: $10^{94}+10244187+d$	d=0,4,6
4: $10^{94}+539480431+d$	d=0,2,6,8
5: $10^{94}+54601269541+d$	d=0,2,6,8,12
5: $10^{94}+1972961097+d$	d=0,4,6,10,12
6: $10^{94}+6022731250797+d$	d=0,4,6,10,12,16
7: $10^{94}+851743844167321+d$	d=0,2,6,8,12,18,20
7: $10^{94}+212207524641469+d$	d=0,2,8,12,14,18,20
8: $10^{94}+11684783829603241+d$	d=0,2,6,8,12,18,20,26
8: $10^{94}+19235798372973253+d$	d=0,6,8,14,18,20,24,26
8: $10^{94}+21032705059027027+d$	d=0,2,6,12,14,20,24,26
9: $10^{94}+2355831229384158421+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{94}+2932158115245924697+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{94}+893789089611339483+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{94}+2684877596386494219+d$	d=0,4,10,12,18,22,24,28,30

## smallest 100-digit prime k-tuplets

k: number to pattern d

1: $10^{99}+289$	
2: $10^{99}+6001+d$	d=0,2
3: $10^{99}+1821127+d$	d=0,2,6
3: $10^{99}+3067797+d$	d=0,4,6
4: $10^{99}+349781731+d$	d=0,2,6,8
5: $10^{99}+3959234101+d$	d=0,2,6,8,12
5: $10^{99}+12538324407+d$	d=0,4,6,10,12
6: $10^{99}+8007253801407+d$	d=0,4,6,10,12,16
7: $10^{99}+586634818606681+d$	d=0,2,6,8,12,18,20
7: $10^{99}+1320312655958749+d$	d=0,2,8,12,14,18,20
8: $10^{99}+67905918474430951+d$	d=0,2,6,8,12,18,20,26
8: $10^{99}+3057541923099787+d$	d=0,2,6,12,14,20,24,26
8: $10^{99}+33592004675597353+d$	d=0,6,8,14,18,20,24,26
9: $10^{99}+284377972157403661+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{99}+387560827546979797+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{99}+2351134920853062333+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{99}+4417618977099919719+d$	d=0,4,10,12,18,22,24,28,30
10: $10^{99}+707220670972957883551+d$	d=0,2,6,8,12,18,20,26,30,32
10: $10^{99}+84878086452295590307+d$	d=0,2,6,12,14,20,24,26,30,32

*/ found by Warut Roonguthai (1995)*

## smallest googol prime k-tuplets

k: number to pattern d

1: $10^{100}+267$	
2: $10^{100}+35737+d$	d=0,2
3: $10^{100}+10734157+d$	d=0,2,6
3: $10^{100}+2813637+d$	d=0,4,6
4: $10^{100}+1053594241+d$	d=0,2,6,8
5: $10^{100}+84784681261+d$	d=0,2,6,8,12
5: $10^{100}+60035735607+d$	d=0,4,6,10,12
6: $10^{100}+6763998516837+d$	d=0,4,6,10,12,16
7: $10^{100}+542556065903341+d$	d=0,2,6,8,12,18,20
7: $10^{100}+1025997681437449+d$	d=0,2,8,12,14,18,20
8: $10^{100}+70764256923738301+d$	d=0,2,6,8,12,18,20,26
8: $10^{100}+2695965911118727+d$	d=0,2,6,12,14,20,24,26
8: $10^{100}+17011398426864913+d$	d=0,6,8,14,18,20,24,26
9: $10^{100}+426534752174683621+d$	d=0,2,6,8,12,18,20,26,30
9: $10^{100}+715673142884481067+d$	d=0,2,6,12,14,20,24,26,30
9: $10^{100}+176872574833767633+d$	d=0,4,6,10,16,18,24,28,30
9: $10^{100}+1165893539316503169+d$	d=0,4,10,12,18,22,24,28,30
10: $10^{100}+426534752174683621+d$	d=0,2,6,8,12,18,20,26,30,32
10: $10^{100}+83943549068390212567+d$	d=0,2,6,12,14,20,24,26,30,32

## smallest 105-digit prime k-tuplets

k: number to pattern d

1: $10^{104}+267$	
2: $10^{104}+3457+d$	d=0,2
3: $10^{104}+694771+d$	d=0,2,6
3: $10^{104}+6897537+d$	d=0,4,6
4: $10^{104}+951859441+d$	d=0,2,6,8
5: $10^{104}+21921196201+d$	d=0,2,6,8,12
5: $10^{104}+95552423277+d$	d=0,4,6,10,12
6: $10^{104}+1974070019457+d$	d=0,4,6,10,12,16
7: $10^{104}+37825097532931+d$	d=0,2,6,8,12,18,20
7: $10^{104}+401670263375089+d$	d=0,2,8,12,14,18,20
8: $10^{104}+16928125998071101+d$	d=0,2,6,8,12,18,20,26
8: $10^{104}+8481024525985057+d$	d=0,2,6,12,14,20,24,26
8: $10^{104}+63458476312381573+d$	d=0,6,8,14,18,20,24,26

## smallest 110-digit prime k-tuplets

k: number to pattern d

1: $10^{109}+457$	
2: $10^{109}+35371+d$	d=0,2
3: $10^{109}+6415297+d$	d=0,2,6
3: $10^{109}+11320263+d$	d=0,4,6
4: $10^{109}+214038511+d$	d=0,2,6,8
5: $10^{109}+2746970101+d$	d=0,2,6,8,12
5: $10^{109}+51147255987+d$	d=0,4,6,10,12
6: $10^{109}+20017039900917+d$	d=0,4,6,10,12,16
7: $10^{109}+2746970101+d$	d=0,2,6,8,12,18,20
7: $10^{109}+4134073750854559+d$	d=0,2,8,12,14,18,20
8: $10^{109}+32438339931952291+d$	d=0,2,6,8,12,18,20,26
8: $10^{109}+58526420136409207+d$	d=0,2,6,12,14,20,24,26
8: $10^{109}+82398383757642073+d$	d=0,6,8,14,18,20,24,26

## smallest 115-digit prime k-tuplets

k: number to pattern d

1: $10^{114}+271$	
2: $10^{114}+88237+d$	d=0,2
3: $10^{114}+535201+d$	d=0,2,6
3: $10^{114}+9414753+d$	d=0,4,6
4: $10^{114}+1137967651+d$	d=0,2,6,8
5: $10^{114}+22846126711+d$	d=0,2,6,8,12
5: $10^{114}+8797498407+d$	d=0,4,6,10,12
6: $10^{114}+734234378967+d$	d=0,4,6,10,12,16
7: $10^{114}+2809645827475021+d$	d=0,2,6,8,12,18,20
7: $10^{114}+1204331983045999+d$	d=0,2,8,12,14,18,20
8: $10^{114}+120163155770412751+d$	d=0,2,6,8,12,18,20,26
8: $10^{114}+16835365367175787+d$	d=0,2,6,12,14,20,24,26
8: $10^{114}+574026212329938043+d$	d=0,6,8,14,18,20,24,26

## smallest 120-digit prime k-tuplets

k: number to pattern d

1: $10^{119}+69$	
2: $10^{119}+39199+d$	d=0,2
3: $10^{119}+7532851+d$	d=0,2,6
3: $10^{119}+6931653+d$	d=0,4,6
4: $10^{119}+2048632891+d$	d=0,2,6,8
5: $10^{119}+147314870701+d$	d=0,2,6,8,12
5: $10^{119}+5465448807+d$	d=0,4,6,10,12
6: $10^{119}+24262562116017+d$	d=0,4,6,10,12,16
7: $10^{119}+2343972825025201+d$	d=0,2,6,8,12,18,20
7: $10^{119}+5771688502223839+d$	d=0,2,8,12,14,18,20
8: $10^{119}+67230037640177971+d$	d=0,2,6,8,12,18,20,26
8: $10^{119}+15524370317950597+d$	d=0,2,6,12,14,20,24,26
8: $10^{119}+62102228797606543+d$	d=0,6,8,14,18,20,24,26



## smallest 125-digit prime k-tuplets

k: number to pattern d

1: $10^{124}+753$	
2: $10^{124}+2149+d$	d=0,2
3: $10^{124}+2715781+d$	d=0,2,6
3: $10^{124}+20161083+d$	d=0,4,6
4: $10^{124}+1871400811+d$	d=0,2,6,8
5: $10^{124}+265335282421+d$	d=0,2,6,8,12
5: $10^{124}+536780398617+d$	d=0,4,6,10,12
6: $10^{124}+18451831606287+d$	d=0,4,6,10,12,16
7: $10^{124}+1516448012373301+d$	d=0,2,6,8,12,18,20
7: $10^{124}+133726374524659+d$	d=0,2,8,12,14,18,20
8: $10^{124}+10839226293817201+d$	d=0,2,6,8,12,18,20,26
8: $10^{124}+90184918750376827+d$	d=0,2,6,12,14,20,24,26
8: $10^{124}+122763578840114353+d$	d=0,6,8,14,18,20,24,26

## smallest 130-digit prime k-tuplets

k: number to pattern d

1: $10^{129}+459$	
2: $10^{129}+73021+d$	d=0,2
3: $10^{129}+2715781+d$	d=0,2,6
3: $10^{129}+9128347+d$	d=0,4,6
4: $10^{129}+2748589231+d$	d=0,2,6,8
5: $10^{129}+221533084351+d$	d=0,2,6,8,12
5: $10^{129}+60997834527+d$	d=0,4,6,10,12
6: $10^{129}+41675244074457+d$	d=0,4,6,10,12,16
7: $10^{129}+4999181176360831+d$	d=0,2,6,8,12,18,20
7: $10^{129}+12209916320861509+d$	d=0,2,8,12,14,18,20
8: $10^{129}+353816093640504031+d$	d=0,2,6,8,12,18,20,26
8: $10^{129}+164970485356912207+d$	d=0,2,6,12,14,20,24,26
8: $10^{129}+232652766837987943+d$	d=0,6,8,14,18,20,24,26

## smallest 135-digit prime k-tuplets

k: number to pattern d

1: $10^{134}+7$	
2: $10^{134}+142039+d$	d=0,2
3: $10^{134}+3456517+d$	d=0,2,6
3: $10^{134}+8871963+d$	d=0,4,6
4: $10^{134}+493019851+d$	d=0,2,6,8
5: $10^{134}+66606039481+d$	d=0,2,6,8,12
5: $10^{134}+361066771887+d$	d=0,4,6,10,12
6: $10^{134}+20474582698287+d$	d=0,4,6,10,12,16
7: $10^{134}+2016267896914651+d$	d=0,2,6,8,12,18,20
7: $10^{134}+5030352782638969+d$	d=0,2,8,12,14,18,20
8: $10^{134}+873383234168270611+d$	d=0,2,6,8,12,18,20,26
8: $10^{134}+32882459574338707+d$	d=0,2,6,12,14,20,24,26
8: $10^{134}+1402558748001088093+d$	d=0,6,8,14,18,20,24,26

## smallest 140-digit prime k-tuplets

k: number to pattern d

1: $10^{139}+513$	
2: $10^{139}+184267+d$	d=0,2
3: $10^{139}+19272907+d$	d=0,2,6
3: $10^{139}+11130003+d$	d=0,4,6
4: $10^{139}+469899331+d$	d=0,2,6,8
5: $10^{139}+235539117751+d$	d=0,2,6,8,12
5: $10^{139}+344624244057+d$	d=0,4,6,10,12
6: $10^{139}+69270293880357+d$	d=0,4,6,10,12,16
7: $10^{139}+19290882247134121+d$	d=0,2,6,8,12,18,20
7: $10^{139}+244002618093319+d$	d=0,2,8,12,14,18,20
8: $10^{139}+276656561661858211+d$	d=0,2,6,8,12,18,20,26
8: $10^{139}+262369664627003017+d$	d=0,2,6,12,14,20,24,26
8: $10^{139}+84232730386965673+d$	d=0,6,8,14,18,20,24,26

## smallest 145-digit prime k-tuplets

k: number to pattern d

1: $10^{144}+91$	
2: $10^{144}+198259+d$	d=0,2
3: $10^{144}+2918581+d$	d=0,2,6
3: $10^{144}+18516033+d$	d=0,4,6
4: $10^{144}+800150731+d$	d=0,2,6,8
5: $10^{144}+590644287151+d$	d=0,2,6,8,12
5: $10^{144}+118746745947+d$	d=0,4,6,10,12
6: $10^{144}+2981601153627+d$	d=0,4,6,10,12,16
7: $10^{144}+6721223969652181+d$	d=0,2,6,8,12,18,20
7: $10^{144}+8198244704670289+d$	d=0,2,8,12,14,18,20
8: $10^{144}+1442917682322142561+d$	d=0,2,6,8,12,18,20,26
8: $10^{144}+1018463109094316317+d$	d=0,2,6,12,14,20,24,26
8: $10^{144}+480474668669944393+d$	d=0,6,8,14,18,20,24,26

## smallest 150-digit prime k-tuplets

k: number to pattern d

1: $10^{149}+183$	
2: $10^{149}+181627+d$	d=0,2
3: $10^{149}+1899841+d$	d=0,2,6
3: $10^{149}+7736733+d$	d=0,4,6
4: $10^{149}+105012451+d$	d=0,2,6,8
5: $10^{149}+633115825411+d$	d=0,2,6,8,12
5: $10^{149}+195977215917+d$	d=0,4,6,10,12
6: $10^{149}+15103097344707+d$	d=0,4,6,10,12,16
7: $10^{149}+7731026837871511+d$	d=0,2,6,8,12,18,20
7: $10^{149}+1868307363026089+d$	d=0,2,8,12,14,18,20
8: $10^{149}+177107310312127411+d$	d=0,2,6,8,12,18,20,26
8: $10^{149}+883945334707753267+d$	d=0,2,6,12,14,20,24,26
8: $10^{149}+935628779313782743+d$	d=0,6,8,14,18,20,24,26

## smallest 155-digit prime k-tuplets

k: number to pattern d

1: $10^{154}+453$	
2: $10^{154}+30991+d$	d=0,2
3: $10^{154}+27285481+d$	d=0,2,6
3: $10^{154}+7107333+d$	d=0,4,6
4: $10^{154}+1658947471+d$	d=0,2,6,8
5: $10^{154}+1204932738421+d$	d=0,2,6,8,12
5: $10^{154}+200691910827+d$	d=0,4,6,10,12
6: $10^{154}+36893278348467+d$	d=0,4,6,10,12,16
7: $10^{154}+13568387373782521+d$	d=0,2,6,8,12,18,20
7: $10^{154}+19671199653518329+d$	d=0,2,8,12,14,18,20

## smallest 160-digit prime k-tuplets

k: number to pattern d

1: $10^{159}+187$	
2: $10^{159}+39637+d$	d=0,2
3: $10^{159}+18507307+d$	d=0,2,6
3: $10^{159}+15653433+d$	d=0,4,6
4: $10^{159}+3806539531+d$	d=0,2,6,8
5: $10^{159}+557304861481+d$	d=0,2,6,8,12
5: $10^{159}+153865246527+d$	d=0,4,6,10,12
6: $10^{159}+53719571598147+d$	d=0,4,6,10,12,16
7: $10^{159}+886440913901611+d$	d=0,2,6,8,12,18,20
7: $10^{159}+61929943965320779+d$	d=0,2,8,12,14,18,20

## smallest 165-digit prime k-tuplets

k: number to pattern d

1: $10^{164}+1527$	
2: $10^{164}+169429+d$	d=0,2
3: $10^{164}+25816291+d$	d=0,2,6
3: $10^{164}+2117523+d$	d=0,4,6
4: $10^{164}+5209833421+d$	d=0,2,6,8
5: $10^{164}+1957164479761+d$	d=0,2,6,8,12
5: $10^{164}+731809803897+d$	d=0,4,6,10,12
6: $10^{164}+338406621721347+d$	d=0,4,6,10,12,16
7: $10^{164}+709318370848621+d$	d=0,2,6,8,12,18,20
7: $10^{164}+26019624383630509+d$	d=0,2,8,12,14,18,20

## smallest 170-digit prime k-tuplets

k: number to pattern d

1: $10^{169}+37$	
2: $10^{169}+66907+d$	d=0,2
3: $10^{169}+31373107+d$	d=0,2,6
3: $10^{169}+1235613+d$	d=0,4,6
4: $10^{169}+428260741+d$	d=0,2,6,8
5: $10^{169}+218433296551+d$	d=0,2,6,8,12
5: $10^{169}+91293251037+d$	d=0,4,6,10,12
6: $10^{169}+407130595104957+d$	d=0,4,6,10,12,16
7: $10^{169}+8057404726746901+d$	d=0,2,6,8,12,18,20
7: $10^{169}+40972970726788339+d$	d=0,2,8,12,14,18,20

## smallest 175-digit prime k-tuplets

k: number to pattern d

1: $10^{174}+691$	
2: $10^{174}+47899+d$	d=0,2
3: $10^{174}+50520121+d$	d=0,2,6
3: $10^{174}+1984953+d$	d=0,4,6
4: $10^{174}+6241905631+d$	d=0,2,6,8
5: $10^{174}+1496725081441+d$	d=0,2,6,8,12
5: $10^{174}+210563582577+d$	d=0,4,6,10,12
6: $10^{174}+153781066417557+d$	d=0,4,6,10,12,16
7: $10^{174}+18893998903748041+d$	d=0,2,6,8,12,18,20
7: $10^{174}+27572851061109259+d$	d=0,2,8,12,14,18,20

## smallest 180-digit prime k-tuplets

k: number to pattern d

1: $10^{179}+979$	
2: $10^{179}+50947+d$	d=0,2
3: $10^{179}+22056397+d$	d=0,2,6
3: $10^{179}+82179657+d$	d=0,4,6
4: $10^{179}+1186753111+d$	d=0,2,6,8
5: $10^{179}+229563254191+d$	d=0,2,6,8,12
5: $10^{179}+197925798057+d$	d=0,4,6,10,12
6: $10^{179}+436304414105547+d$	d=0,4,6,10,12,16
7: $10^{179}+79685286082911781+d$	d=0,2,6,8,12,18,20
7: $10^{179}+83979500024983009+d$	d=0,2,8,12,14,18,20

## smallest 185-digit prime k-tuplets

k: number to pattern d

1: $10^{184}+37$	
2: $10^{184}+75871+d$	d=0,2
3: $10^{184}+16955827 +d$	d=0,2,6
3: $10^{184}+162370917+d$	d=0,4,6
4: $10^{184}+5757293521+d$	d=0,2,6,8
5: $10^{184}+121719152701+d$	d=0,2,6,8,12
5: $10^{184}+116930950557+d$	d=0,4,6,10,12
6: $10^{184}+371313061736157+d$	d=0,4,6,10,12,16
7: $10^{184}+60658279565071111+d$	d=0,2,6,8,12,18,20
7: $10^{184}+81666081753915379+d$	d=0,2,8,12,14,18,20

## smallest 190-digit prime k-tuplets

k: number to pattern d

1: $10^{189}+181$	
2: $10^{189}+136561+d$	d=0,2
3: $10^{189}+19085827 +d$	d=0,2,6
3: $10^{189}+119935653+d$	d=0,4,6
4: $10^{189}+4392098191+d$	d=0,2,6,8
5: $10^{189}+331159635931+d$	d=0,2,6,8,12
5: $10^{189}+2480511937287+d$	d=0,4,6,10,12
6: $10^{189}+2073333430471527+d$	d=0,4,6,10,12,16
7: $10^{189}+89656154100397981+d$	d=0,2,6,8,12,18,20
7: $10^{189}+5340375801434539+d$	d=0,2,8,12,14,18,20

## smallest 195-digit prime k-tuplets

k: number to pattern d

1: $10^{194}+951$	
2: $10^{194}+236887+d$	d=0,2
3: $10^{194}+56128051+d$	d=0,2,6
3: $10^{194}+15449403+d$	d=0,4,6
4: $10^{194}+14380774051+d$	d=0,2,6,8
5: $10^{194}+1438783896391+d$	d=0,2,6,8,12
5: $10^{194}+2967558491397+d$	d=0,4,6,10,12
6: $10^{194}+49883376447027+d$	d=0,4,6,10,12,16
7: $10^{194}+174129925876738981+d$	d=0,2,6,8,12,18,20
7: $10^{194}+54304574787785569+d$	d=0,2,8,12,14,18,20

## smallest 200-digit prime k-tuplets

k: number to pattern d

1: $10^{199}+153$	
2: $10^{199}+62209+d$	d=0,2
3: $10^{199}+5921947+d$	d=0,2,6
3: $10^{199}+3299493+d$	d=0,4,6
4: $10^{199}+21156403891+d$	d=0,2,6,8 / found by Warut Roonguthai (1995)
5: $10^{199}+3731038824031+d$	d=0,2,6,8,12
5: $10^{199}+3164151655527+d$	d=0,4,6,10,12
6: $10^{199}+452059153787937+d$	d=0,4,6,10,12,16
7: $10^{199}+73899530218782871+d$	d=0,2,6,8,12,18,20
7: $10^{199}+54922679011184419+d$	d=0,2,8,12,14,18,20
8: $10^{199}+4342765936145019181+d$	d=0,2,6,8,12,18,20,26
8: $10^{199}+589262946758538727+d$	d=0,2,6,12,14,20,24,26
8: $10^{199}+4456720213751803153+d$	d=0,6,8,14,18,20,24,26

## smallest 300-digit prime k-tuplets

k: number to pattern d

1: $10^{299}+669$	
2: $10^{299}+205477+d$	d=0,2
3: $10^{299}+14790787+d$	d=0,2,6
3: $10^{299}+119289723+d$	d=0,4,6
4: $10^{299}+140159459341+d$	d=0,2,6,8 / found by Warut Roonguthai (1995)
5: $10^{299}+29499802857901+d$	d=0,2,6,8,12
5: $10^{299}+6948302379747+d$	d=0,4,6,10,12
6: $10^{299}+4806219413658657+d$	d=0,4,6,10,12,16
7: $10^{299}+1778767958673650041+d$	d=0,2,6,8,12,18,20
7: $10^{299}+811955928765210319+d$	d=0,2,8,12,14,18,20

## smallest 400-digit prime k-tuplets

k: number to pattern d

1: $10^{399}+1311$	
2: $10^{399}+253297+d$	d=0,2
3: $10^{399}+229912897+d$	d=0,2,6
3: $10^{399}+102992967+d$	d=0,4,6
4: $10^{399}+34993836001+d$	d=0,2,6,8 / found by Warut Roonguthai (1995)
5: $10^{399}+53666022558811+d$	d=0,2,6,8,12
5: $10^{399}+101170544755377+d$	d=0,4,6,10,12
6: $10^{399}+33756090918084087+d$	d=0,4,6,10,12,16

## smallest 500-digit prime k-tuplets

k: number to pattern d

1: $10^{499}+153$	
2: $10^{499}+3943441+d$	d=0,2
3: $10^{499}+467762947+d$	d=0,2,6
3: $10^{499}+818713227+d$	d=0,4,6
4: $10^{499}+883750143961+d$	d=0,2,6,8 / found by Warut Roonguthai (1996)
5: $10^{499}+58195471283341+d$	d=0,2,6,8,12
5: $10^{499}+69672492141807+d$	d=0,4,6,10,12
6: $10^{499}+464261549124325347+d$	d=0,4,6,10,12,16

## smallest 600-digit prime k-tuplets

k: number to pattern d

1: $10^{599}+2161$	
2: $10^{599}+302761+d$	d=0,2
3: $10^{599}+1617893281+d$	d=0,2,6
3: $10^{599}+1200032247+d$	d=0,4,6
4: $10^{599}+1394283756151+d$	d=0,2,6,8 / found by Warut Roonguthai (1997)
5: $10^{599}+319491304676641+d$	d=0,2,6,8,12
5: $10^{599}+12754947401547+d$	d=0,4,6,10,12
6: $10^{599}+314360191056418137+d$	d=0,4,6,10,12,16

## smallest 700-digit prime k-tuplets

k: number to pattern d

1: $10^{699}+1279$	
2: $10^{699}+1280017+d$	d=0,2
3: $10^{699}+563094277+d$	d=0,2,6
3: $10^{699}+3206800863+d$	d=0,4,6
4: $10^{699}+547634621251+d$	d=0,2,6,8 / found by Warut Roonguthai (1998)
5: $10^{699}+2254633393747621+d$	d=0,2,6,8,12
5: $10^{699}+209264286017367+d$	d=0,4,6,10,12

## smallest 800-digit prime k-tuplets

k: number to pattern d

1: $10^{799}+2409$	
2: $10^{799}+264907+d$	d=0,2
3: $10^{799}+865319917+d$	d=0,2,6
3: $10^{799}+59447733+d$	d=0,4,6
4: $10^{799}+3125423484751+d$	d=0,2,6,8
5: $10^{799}+2117758391972791+d$	d=0,2,6,8,12
5: $10^{799}+1299258655252617+d$	d=0,4,6,10,12

## smallest 900-digit prime k-tuplets

k: number to pattern d

1: $10^{899}+201$		
2: $10^{899}+946009+d$	d=0,2	
3: $10^{899}+3544913887+d$	d=0,2,6	
3: $10^{899}+3460243053+d$	d=0,4,6	
4: $10^{899}+430772369311+d$	d=0,2,6,8	
5: $10^{899}+2365663735968811+d$	d=0,2,6,8,12	
5: $10^{899}+1484244113736867+d$	d=0,4,6,10,12	

## smallest 1000-digit prime k-tuplets

k: number to pattern d

1: $10^{999}+7$		<i>/ proven prime</i>
2: $10^{999}+1975081+d$	d=0,2	<i>/ found by Heuer Daniel (1999) &amp; proven primes</i>
3: $10^{999}+5537073001+d$	d=0,2,6	<i>/ proven primes</i>
3: $10^{999}+1598241813+d$	d=0,4,6	<i>/ proven primes</i>
4: $10^{999}+4114571944591+d$	d=0,2,6,8	<i>/ proven primes</i>
5: $10^{999}+3554007760224751+d$	d=0,2,6,8,12	<i>/ proven primes</i>
5: $10^{999}+3818999670116007+d$	d=0,4,6,10,12	<i>/ proven primes</i>

## smallest 1100-digit prime k-tuplets

k: number to pattern d

1: $10^{1099}+73$		<i>/ proven prime</i>
2: $10^{1099}+3140107+d$	d=0,2	<i>/ proven primes</i>
3: $10^{1099}+9688002421+d$	d=0,2,6	<i>/ proven primes</i>
3: $10^{1099}+6656645493+d$	d=0,4,6	<i>/ proven primes</i>
4: $10^{1099}+32016108066811+d$	d=0,2,6,8	<i>/ found by Gerd Lamprecht (2017) &amp; proven primes</i>

## smallest 1200-digit prime k-tuplets

k: number to pattern d

1: $10^{1199}+3937$		<i>/ proven prime</i>
2: $10^{1199}+4316299+d$	d=0,2	<i>/ proven primes</i>
3: $10^{1199}+4004123317+d$	d=0,2,6	<i>/ proven primes</i>
3: $10^{1199}+13010732343+d$	d=0,4,6	<i>/ proven primes</i>
4: $10^{1199}+3371029327411+d$	d=0,2,6,8	<i>/ found by Steffen Polster (2017) &amp; proven primes</i>

## smallest 1300-digit prime k-tuplets

k: number to pattern d

1: $10^{1299}+3289$		<i>/ proven prime</i>
2: $10^{1299}+538837+d$	d=0,2	<i>/ proven primes</i>
3: $10^{1299}+10975301047+d$	d=0,2,6	<i>/ proven primes</i>
3: $10^{1299}+22101529023+d$	d=0,4,6	<i>/ proven primes</i>
4: $10^{1299}+280780601461+d$	d=0,2,6,8	<i>/ found by Steffen Polster (2017) &amp; proven primes</i>



## smallest 1400-digit prime k-tuplets

k: number to pattern d

1: $10^{1399}+3687$		<i>/ proven prime</i>
2: $10^{1399}+10871077+d$	d=0,2	<i>/ proven primes</i>
3: $10^{1399}+22502870977+d$	d=0,2,6	<i>/ proven primes</i>
3: $10^{1399}+46234904577+d$	d=0,4,6	<i>/ proven primes</i>
4: $10^{1399}+69670344083131+d$	d=0,2,6,8	<i>/ proven primes</i>

## smallest 1500-digit prime k-tuplets

k: number to pattern d

1: $10^{1499}+2001$		<i>/ proven prime</i>
2: $10^{1499}+1002259+d$	d=0,2	<i>/ proven primes</i>
3: $10^{1499}+3251852371+d$	d=0,2,6	<i>/ proven primes</i>
3: $10^{1499}+14264584383+d$	d=0,4,6	<i>/ proven primes</i>
4: $10^{1499}+11263823690221+d$	d=0,2,6,8	<i>/ found by Horst Hahnwinkel (2018) &amp; proven primes</i>

## smallest 1600-digit prime k-tuplets

k: number to pattern d

1: $10^{1599}+553$		<i>/ proven prime</i>
2: $10^{1599}+9773671+d$	d=0,2	<i>/ proven primes</i>
3: $10^{1599}+15604273447+d$	d=0,2,6	<i>/ proven primes</i>
3: $10^{1599}+17352556737+d$	d=0,4,6	<i>/ proven primes</i>
4: $10^{1599}+35547764907541+d$	d=0,2,6,8	<i>/ proven primes</i>

## smallest 1700-digit prime k-tuplets

k: number to pattern d

1: $10^{1699}+511$		<i>/ proven prime</i>
2: $10^{1699}+663727+d$	d=0,2	<i>/ proven primes</i>
3: $10^{1699}+77697495757+d$	d=0,2,6	<i>/ proven primes</i>
3: $10^{1699}+61779337833+d$	d=0,4,6	<i>/ proven primes</i>
4: $10^{1699}+91659238633591+d$	d=0,2,6,8	<i>/ proven primes</i>

## smallest 1800-digit prime k-tuplets

k: number to pattern d

1: $10^{1799}+1953$		<i>/ proven prime</i>
2: $10^{1799}+294109+d$	d=0,2	<i>/ proven primes</i>
3: $10^{1799}+2426988187+d$	d=0,2,6	<i>/ proven primes</i>
3: $10^{1799}+54242463087+d$	d=0,4,6	<i>/ proven primes</i>
4: $10^{1799}+63854821848361+d$	d=0,2,6,8	<i>/ proven primes</i>

## smallest 1900-digit prime k-tuplets

k: number to pattern d

1: $10^{1899}+2863$		<i>/ proven prime</i>
2: $10^{1899}+19278529+d$	d=0,2	<i>/ proven primes</i>
3: $10^{1899}+27851595391+d$	d=0,2,6	<i>/ proven primes</i>
3: $10^{1899}+51739370637+d$	d=0,4,6	<i>/ proven primes</i>
4: $10^{1899}+4297896231241+d$	d=0,2,6,8	<i>/ proven primes</i>

## smallest 2000-digit prime k-tuplets

k: number to pattern d

1: $10^{1999}+7321$		<i>/ proven prime by Peter Kaiser (2013,Primo)</i>
2: $10^{1999}+89316289+d$	d=0,2	<i>/ proven primes by Norman Luhn (2021,Primo)</i>
3: $10^{1999}+27107552191+d$	d=0,2,6	<i>/ proven primes by Norman Luhn (2021,Primo)</i>
3: $10^{1999}+38866053453+d$	d=0,4,6	<i>/ proven primes by Norman Luhn (2021,Primo)</i>
4: $10^{1999}+205076414983951+d$	d=0,2,6,8	<i>/ found by Gerd Lamprecht (2017) &amp; proven primes</i>

## smallest 3000-digit prime k-tuplets

k: number to pattern d

1: $10^{2999}+1887$		<i>/ proven prime by Youcef L (2012,Primo)</i>
2: $10^{2999}+18893101+d$	d=0,2	<i>/ proven primes by Masaki UKAI (2020,Primo)</i>
3: $10^{2999}+25740029131+d$	d=0,2,6	<i>/ proven primes by Norman Luhn (2021,Primo)</i>
3: $10^{2999}+37274603937+d$	d=0,4,6	<i>/ proven primes by Norman Luhn (2021,Primo)</i>

## smallest 4000-digit prime k-tuplets

k: number to pattern d

1: $10^{3999}+4771$		<i>/ proven prime by Giovanni and Marco La Barbera (2001)</i>
2: $10^{3999}+153668401+d$	d=0,2	<i>/ proven primes by Norman Luhn (2021,Primo)</i>
3: $10^{3999}+182402621497+d$	d=0,2,6	<i>/ proven primes by Norman Luhn (2021,Primo)</i>
3: $10^{3999}+243095638113+d$	d=0,4,6	<i>/ proven primes by Norman Luhn (2021,Primo)</i>

## smallest 5000-digit prime k-tuplets

k: number to pattern d

1: $10^{4999}+22669$		<i>/ proven prime by Alexander Mkrtychyan (2013,Primo)</i>
2: $10^{4999}+45171901+d$	d=0,2	<i>/ proven primes by Norman Luhn (2021,Primo)</i>
3: $10^{4999}+70852892827+d$	d=0,2,6	<i>/ proven primes by Norman Luhn (2021,Primo)</i>
3: $10^{4999}+244793127627+d$	d=0,4,6	<i>/ proven primes by Norman Luhn (2021,Primo)</i>

## smallest 6000-digit prime k-tuplets

k: number to pattern d

1: $10^{5999}+29379$		<i>/ proven prime by Geoffrey Yeung (2020,Primo)</i>
2: $10^{5999}+242051191+d$	d=0,2	<i>/ proven primes by Norman Luhn (2021,Primo)</i>

## smallest 7000-digit prime k-tuplets

k: number to pattern d

1:  $10^{6999}+33187$  / proven prime by Norman Luhn (2021,Primo)  
2:  $10^{6999}+151203769+d$  d=0,2 / proven primes by Robert Gelhar (05/2021,Primo)

## smallest 8000-digit prime k-tuplets

k: number to pattern d

1:  $10^{7999}+35887$  / proven prime by Robert Gelhar (05/2021,Primo)  
2:  $10^{7999}+439617139+d$  d=0,2 / proven primes by Robert Gelhar (05/2021,Primo)

## smallest 9000-digit prime k-tuplets

k: number to pattern d

1:  $10^{8999}+3541$  / proven prime by Robert Gelhar (05/2021,Primo)  
2:  $10^{8999}+13215871+d$  d=0,2 / proven primes by Robert Gelhar (05/2021,Primo)

## smallest 10000-digit prime k-tuplets

k: number to pattern d

1:  $10^{9999}+33603$  / proven prime by Jens Franke, Thorsten Kleinjung and Tobias Wirth (2003,ECPP)  
2:  $10^{9999}+2421018649+d$ , d=0,2 / found by Dirk Augustin (2010), proven primes by Norman Luhn (2021,Primo)

## smallest 20000-digit probable prime k-tuplets

k: number to pattern d

1:  $10^{19999}+110949$  / found by Patrick De Geest  
2:  $10^{19999}+1514722609+d$ , d=0,2 / found by Norman Luhn (06/2021)

## smallest 30000-digit probable prime k-tuplets

k:

1:  $10^{29999}+89821$  / found by Patrick De Geest

## smallest 40000-digit probable prime k-tuplets

k:

1:  $10^{39999}+7161$  / found by Patrick De Geest

## smallest 50000-digit probable prime k-tuplets

k:

1:  $10^{49999}+91701$  / found by Patrick De Geest

## smallest **60000**-digit probable prime k-tuplets

k:

1:  $10^{59999}+65197$  /found by Patrick De Geest

## smallest **70000**-digit probable prime k-tuplets

k:

1:  $10^{69999}+134857$  /found by Patrick De Geest

## smallest **80000**-digit probable prime k-tuplets

k:

1:  $10^{79999}+22399$  /found by Patrick De Geest

## smallest **90000**-digit probable prime k-tuplets

k:

1:  $10^{89999}+82939$  /found by Patrick De Geest

## smallest **100000**-digit probable prime k-tuplets

k:

1:  $10^{99999}+309403$  /found by Daniel Heuer (2004)

## smallest **1000000**-digit probable prime k-tuplets

k:

1:  $10^{999999}+593499$  /found by Peter Kaiser, Kenneth Pedersen, Patrick De Geest (2013)

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