

[Original Work]

$30n+7$ (n is positive integer, including 0)

Toshiro Takami

[Abstract]

I found out my original make prime number built method.

$30n+7$ (n is positive integer, including 0).

$30n+17$ (n is positive integer, including 0).

Prime has a period of 30. We focused on that point and developed it.

However, those that are not prime are also quite included.

And,

$30n+11$ (n is positive integer, including 0).

$30n+13$ (n is positive integer, including 0).

Also considered.

[Discussion]

$30n+7$ (n is positive integer, including 0).

7 prime

$7+30=37$ prime

$37+30=67$ prime

$67+30=97$ prime

$97+30=127$ prime

$127+30=157$ prime

$157+30=187$ prime

$187+30=217$ prime

$217+30=247$ prime

$247+30=277$ prime

$277+30=307$ prime

$307+30=337$ prime

$337+30=367$ prime

$367+30=397$ prime

$397+30=427$ prime

$427+30=457$ prime

$457+30=487$ prime

$487+30=517$ prime

$517+30=547$ prime

$547+30=577$ prime

$577+30=607$ prime
 $607+120=727$ prime
 $727+30=757$ prime
 $757+30=787$ prime
 $787+90=877$ prime
 $877+30=907$ prime
 $907+30=937$ prime
 $937+30=967$ prime
 $967+30=997$ prime
 $997+90=1087$ prime
 $1087+30=1117$ prime
 $1117+120=1237$ prime
 $1237+60=1297$ prime
 $1267+30=1297$ prime
 $1297+30=1327$ prime
 $1327+120=1447$ prime
 $1447+120=1567$ prime
 $1567+30=1597$ prime
 $1597+30=1627$ prime
 $1627+30=1657$ prime
 $1657+90=1747$ prime
 $1747+30=1777$ prime
 $1777+90=1867$ prime
 $1867+120=1987$ prime
 $1987+30=2017$ prime
 $2017+120=2137$ prime
 $2137+150=2287$ prime
 $2287+60=2347$ prime
 $2347+30=2377$ prime
 $2377+60=2437$ prime
 $2437+30=2467$ prime
 $2467+90=2557$ prime
 $2557+60=2617$ prime
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 $30 \times 10000 + 7 = 300007$ prime
 $300007 + 180 = 300187$ prime
 $300187 + 180 = 300367$ prime

300367+30=300397 prime
300397+30=300427 prime
300397+270=300667 prime
300667+90=300757 prime
300757+30=300787 prime
300787+90=300877 prime
300877+90=300967 prime
300967+30=300997 prime
300997+30=301027 prime
301027+30=301057 prime
301057+120=301177 prime
301177+60=301237 prime
301237+30=301267 prime
301267+180=301447 prime
301447+180=301627 prime
301627+30=301657 prime
301657+90=301747 prime
301747+120=301867 prime
301867+30=301897 prime
301897+30=301927 prime
301927+240=302167 prime
302167+60=302227 prime
302227+60=302287 prime
302287+30=302317 prime
302317+270=302587 prime
302587+60=302647 prime
302647+120=302767 prime
302767+90=302857 prime
302857+120=302977 prime
302977+30=303007 prime
303007+90=303097 prime
303097+60=303157 prime
303157+30=303187 prime
303187+30=303217 prime
303217+90=303307 prime
303307+30=303337 prime
303337+30=303367 prime
303367+180=303547 prime

$303547+180=303727$ prime
 $303727+90=303817$ prime
 $303817+90=303907$ prime
 $303907+30=303937$ prime
 $303937+60=303997$ prime
 $303997+30=304127$ prime
 $304127+90=304217$ prime
 $304217+240=304457$ prime
 $304457+60=304517$ prime
 $304517+240=304757$ prime
 $304757+90=304847$ prime
 $304847+60=304907$ prime
 $304907+30=304937$ prime
 $304937+210=305147$ prime
 $305147+90=305237$ prime
 $305237+30=305267$ prime
 $305267+30=305297$ prime
 $305297+180=305477$ prime
 $305477+120=305597$ prime
 $305597+120=305717$ prime

$30n+17$ (Positive including 0 integer).

17 prime
 $17+30=47$ prime
 $47+60=137$ prime
 $137+30=167$ prime
 $167+30=197$ prime
 $197+30=227$ prime
 $227+30=257$ prime
 $257+60=317$ prime
 $317+30=347$ prime
 $347+120=467$ prime
 $467+90=557$ prime
 $557+30=587$ prime
 $587+30=617$ prime

617+30=647 prime
647+30=677 prime
677+120=797 prime
797+30=827 prime
827+30=857 prime
857+90=947 prime
947+30=977 prime
977+120=1097 prime
1097+90=1187 prime
1187+30=1217 prime
1217+60=1277 prime
1277+30=1307 prime
1307+60=1367 prime
1367+60=1427 prime
1427+180=1607 prime
1607+30=1637 prime
1637+30=1667 prime
1667+30=1697 prime
1697+90=1787 prime
1787+60=1847 prime
1847+30=1877 prime
1877+30=1907 prime
1907+90=1997 prime
1997+30=2027 prime
2027+60=2087 prime
2087+120=2207 prime
2207+30=2237 prime
2237+30=2267 prime
2267+30=2297 prime
2297+60=2357 prime
2357+60=2417 prime
2417+30=2447 prime
2447+30=2477 prime
2477+180=2657 prime
2657+30=2687 prime
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 $30 \times 10000 + 17 = 300017$ prime

300017+120=300137 prime
300137+180=300317 prime
300317+30=300347 prime
300347+150=300497 prime
300497+60=300557 prime
300557+90=300647 prime
300647+210=300857 prime
300857+120=300977 prime
300977+150=301127 prime
301127+120=301247 prime
301247+240=301487 prime
301487+90=301577 prime
301577+300=301877 prime
301877+30=301907 prime
301907+90=301997 prime
301997+300=302297 prime
302297+120=302417 prime
302417+90=302507 prime
302507+60=302567 prime
302567+30=302597 prime
302597+150=302747 prime
302747+90=302837 prime
302837+90=302927 prime
302927+330=303257 prime
303257+30=303287 prime
303287+90=303377 prime
303377+120=303497 prime
303497+90=303587 prime
303587+30=303617 prime
303617+30=303647 prime
303647+120=303767 prime
303767+60=303827 prime
303827+90=303917 prime
303917+150=304067 prime
304067+60=304127 prime
304127+90=304217 prime
304217+240=304457 prime
304457+60=304517 prime

$304517+240=304757$ prime

$304757+90=304847$ prime

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[Reference]

1) https://en.wikipedia.org/wiki/Prime_number



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I am a psychiatrist now and also a doctor of brain surgery before.
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(I am very poor of English. Almost all document are google-translation.
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