

連続素数の差+1が素数になる場合は、 1000000番目までで7割以上 全素数では、何割になるか

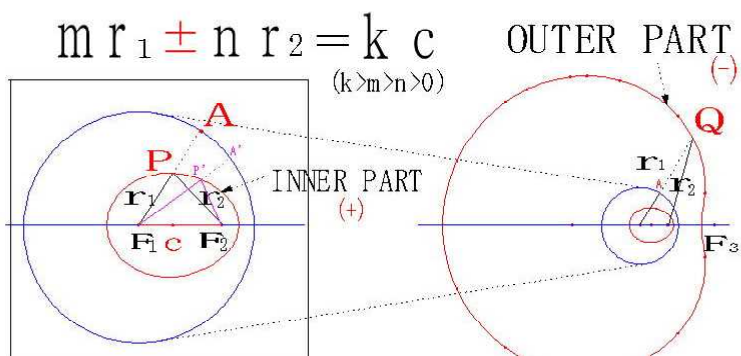
蛭子井博孝作成
Maple2018 使用

$P(n+1)-P(n)+1=Prime(90c/Tn=100)$ を確かめよう

2, 3, 5, 7, 11, ..., 7919, ..., 104729, ..., 15485863

それからDoval定義図

$mr_1 \pm nr_2 = kc$ が点と円とからの距離の比が一定な曲線であること by H.E



$$PA : PF_2 - P'A' : P'F_2 - QA : QF_2 = n : m$$

$$F_1A - kc/m = r_1 + PA \text{ (or } -QA) = r_1 \pm (n/m)r_2 \quad \because PF_2 \text{ or } QF_2 = r_2$$

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> # Prime Number Table 1000000 -5 +5 by H.E 2019-6-Irv 6-2:
> for h from 10 to 1000000 do if type(log[10](h), integer) then print(seq(ithprime(h + j
- 5)[h + j - 5], j = 1 .. 5)) : print(seq(ithprime(h + j)[h + j], j = 1 .. 5)) : print( ) fi
od:
```

$$13_6, 17_7, 19_8, 23_9, 29_{10}$$

$$31_{11}, 37_{12}, 41_{13}, 43_{14}, 47_{15}$$

$$503_{96}, 509_{97}, 521_{98}, 523_{99}, 541_{100}$$

$$547_{101}, 557_{102}, 563_{103}, 569_{104}, 571_{105}$$

$$7879_{996}, 7883_{997}, 7901_{998}, 7907_{999}, 7919_{1000}$$

$$7927_{1001}, 7933_{1002}, 7937_{1003}, 7949_{1004}, 7951_{1005}$$

$$104707_{9996}, 104711_{9997}, 104717_{9998}, 104723_{9999}, 104729_{10000}$$

$$104743_{10001}, 104759_{10002}, 104761_{10003}, 104773_{10004}, 104779_{10005}$$

$$1299647_{99996}, 1299653_{99997}, 1299673_{99998}, 1299689_{99999}, 1299709_{100000}$$

$$1299721_{100001}, 1299743_{100002}, 1299763_{100003}, 1299791_{100004}, 1299811_{100005}$$

$$15485837_{999996}, 15485843_{999997}, 15485849_{999998}, 15485857_{999999}, 15485863_{1000000}$$

$$15485867_{1000001}, 15485917_{1000002}, 15485927_{1000003}, 15485933_{1000004}, 15485941_{1000005}$$

(1)

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>
> # P(h+1)-P(h)+1=prime by H.E 2019-5-31-rv 6-2:
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```
> c := 0 : for h from 1 to 1000000 do Pp := ithprime(h + 1) - ithprime(h) + 1 :
if isprime(Pp) then c := c + 1 : fi: if type(log[10](2 · h), integer) or type(log[10]( h),
integer) or h ≤ 100 then if isprime(Pp) then print(ithprime(h + 1)[h + 1]
```

$$- \text{ithprime}(h)[h] + 1 = Pp \left[\frac{[\text{PrimeCnt} = c]}{[TC = h]} \right] \text{ else print(ithprime}(h + 1)[h + 1]$$

$$- \text{ithprime}(h)[h] + 1 = Pp \left[\frac{[\text{Not PrimeCnt} = h - c]}{[TC = h]} \right] \text{ fi fi: od:}$$

$$3_2 - 2_1 + 1 = 2 \frac{[\text{PrimeCnt} = 1]}{[TC = 1]}$$

$$5_3 - 3_2 + 1 = 3 \frac{[\text{PrimeCnt} = 2]}{[TC = 2]}$$

$$7_4 - 5_3 + 1 = 3 \frac{[\text{PrimeCnt} = 3]}{[TC = 3]}$$

$$11_5 - 7_4 + 1 = 5 \frac{[\text{PrimeCnt} = 4]}{[TC = 4]}$$

$$13_6 - 11_5 + 1 = 3 \frac{[\text{PrimeCnt} = 5]}{[TC = 5]}$$

$$17_7 - 13_6 + 1 = 5 \frac{[\text{PrimeCnt} = 6]}{[TC = 6]}$$

$$19_8 - 17_7 + 1 = 3 \frac{[PrimeCnt=7]}{[TC=7]}$$

$$23_9 - 19_8 + 1 = 5 \frac{[PrimeCnt=8]}{[TC=8]}$$

$$29_{10} - 23_9 + 1 = 7 \frac{[PrimeCnt=9]}{[TC=9]}$$

$$31_{11} - 29_{10} + 1 = 3 \frac{[PrimeCnt=10]}{[TC=10]}$$

$$37_{12} - 31_{11} + 1 = 7 \frac{[PrimeCnt=11]}{[TC=11]}$$

$$41_{13} - 37_{12} + 1 = 5 \frac{[PrimeCnt=12]}{[TC=12]}$$

$$43_{14} - 41_{13} + 1 = 3 \frac{[PrimeCnt=13]}{[TC=13]}$$

$$47_{15} - 43_{14} + 1 = 5 \frac{[PrimeCnt=14]}{[TC=14]}$$

$$53_{16} - 47_{15} + 1 = 7 \frac{[PrimeCnt=15]}{[TC=15]}$$

$$59_{17} - 53_{16} + 1 = 7 \frac{[PrimeCnt=16]}{[TC=16]}$$

$$61_{18} - 59_{17} + 1 = 3 \frac{[PrimeCnt=17]}{[TC=17]}$$

$$67_{19} - 61_{18} + 1 = 7 \frac{[PrimeCnt=18]}{[TC=18]}$$

$$71_{20} - 67_{19} + 1 = 5 \frac{[PrimeCnt=19]}{[TC=19]}$$

$$73_{21} - 71_{20} + 1 = 3 \frac{[PrimeCnt=20]}{[TC=20]}$$

$$79_{22} - 73_{21} + 1 = 7 \frac{[PrimeCnt=21]}{[TC=21]}$$

$$83_{23} - 79_{22} + 1 = 5 \frac{[PrimeCnt=22]}{[TC=22]}$$

$$89_{24} - 83_{23} + 1 = 7 \frac{[PrimeCnt=23]}{[TC=23]}$$

$$97_{25} - 89_{24} + 1 = 9 \frac{[Not PrimeCnt=1]}{[TC=24]}$$

$$101_{26} - 97_{25} + 1 = 5 \frac{[PrimeCnt=24]}{[TC=25]}$$

$$103_{27} - 101_{26} + 1 = 3 \frac{[PrimeCnt=25]}{[TC=26]}$$

$$107_{28} - 103_{27} + 1 = 5 \frac{[PrimeCnt=26]}{[TC=27]}$$

$$109_{29} - 107_{28} + 1 = 3 \frac{[PrimeCnt=27]}{[TC=28]}$$

$$113_{30} - 109_{29} + 1 = 5 \frac{[PrimeCnt=28]}{[TC=29]}$$

$$127_{31} - 113_{30} + 1 = 15 \frac{[\text{Not PrimeCnt}=2]}{[TC = 30]}$$

$$131_{32} - 127_{31} + 1 = 5 \frac{[\text{PrimeCnt}=29]}{[TC = 31]}$$

$$137_{33} - 131_{32} + 1 = 7 \frac{[\text{PrimeCnt}=30]}{[TC = 32]}$$

$$139_{34} - 137_{33} + 1 = 3 \frac{[\text{PrimeCnt}=31]}{[TC = 33]}$$

$$149_{35} - 139_{34} + 1 = 11 \frac{[\text{PrimeCnt}=32]}{[TC = 34]}$$

$$151_{36} - 149_{35} + 1 = 3 \frac{[\text{PrimeCnt}=33]}{[TC = 35]}$$

$$157_{37} - 151_{36} + 1 = 7 \frac{[\text{PrimeCnt}=34]}{[TC = 36]}$$

$$163_{38} - 157_{37} + 1 = 7 \frac{[\text{PrimeCnt}=35]}{[TC = 37]}$$

$$167_{39} - 163_{38} + 1 = 5 \frac{[\text{PrimeCnt}=36]}{[TC = 38]}$$

$$173_{40} - 167_{39} + 1 = 7 \frac{[\text{PrimeCnt}=37]}{[TC = 39]}$$

$$179_{41} - 173_{40} + 1 = 7 \frac{[\text{PrimeCnt}=38]}{[TC = 40]}$$

$$181_{42} - 179_{41} + 1 = 3 \frac{[\text{PrimeCnt}=39]}{[TC = 41]}$$

$$191_{43} - 181_{42} + 1 = 11 \frac{[\text{PrimeCnt}=40]}{[TC = 42]}$$

$$193_{44} - 191_{43} + 1 = 3 \frac{[\text{PrimeCnt}=41]}{[TC = 43]}$$

$$197_{45} - 193_{44} + 1 = 5 \frac{[\text{PrimeCnt}=42]}{[TC = 44]}$$

$$199_{46} - 197_{45} + 1 = 3 \frac{[\text{PrimeCnt}=43]}{[TC = 45]}$$

$$211_{47} - 199_{46} + 1 = 13 \frac{[\text{PrimeCnt}=44]}{[TC = 46]}$$

$$223_{48} - 211_{47} + 1 = 13 \frac{[\text{PrimeCnt}=45]}{[TC = 47]}$$

$$227_{49} - 223_{48} + 1 = 5 \frac{[\text{PrimeCnt}=46]}{[TC = 48]}$$

$$229_{50} - 227_{49} + 1 = 3 \frac{[\text{PrimeCnt}=47]}{[TC = 49]}$$

$$233_{51} - 229_{50} + 1 = 5 \frac{[\text{PrimeCnt}=48]}{[TC = 50]}$$

$$239_{52} - 233_{51} + 1 = 7 \frac{[\text{PrimeCnt}=49]}{[TC = 51]}$$

$$241_{53} - 239_{52} + 1 = 3 \frac{[\text{PrimeCnt}=50]}{[TC = 52]}$$

$$251_{54} - 241_{53} + 1 = 11 \frac{[PrimeCnt=51]}{[TC=53]}$$

$$257_{55} - 251_{54} + 1 = 7 \frac{[PrimeCnt=52]}{[TC=54]}$$

$$263_{56} - 257_{55} + 1 = 7 \frac{[PrimeCnt=53]}{[TC=55]}$$

$$269_{57} - 263_{56} + 1 = 7 \frac{[PrimeCnt=54]}{[TC=56]}$$

$$271_{58} - 269_{57} + 1 = 3 \frac{[PrimeCnt=55]}{[TC=57]}$$

$$277_{59} - 271_{58} + 1 = 7 \frac{[PrimeCnt=56]}{[TC=58]}$$

$$281_{60} - 277_{59} + 1 = 5 \frac{[PrimeCnt=57]}{[TC=59]}$$

$$283_{61} - 281_{60} + 1 = 3 \frac{[PrimeCnt=58]}{[TC=60]}$$

$$293_{62} - 283_{61} + 1 = 11 \frac{[PrimeCnt=59]}{[TC=61]}$$

$$307_{63} - 293_{62} + 1 = 15 \frac{[NotPrimeCnt=3]}{[TC=62]}$$

$$311_{64} - 307_{63} + 1 = 5 \frac{[PrimeCnt=60]}{[TC=63]}$$

$$313_{65} - 311_{64} + 1 = 3 \frac{[PrimeCnt=61]}{[TC=64]}$$

$$317_{66} - 313_{65} + 1 = 5 \frac{[PrimeCnt=62]}{[TC=65]}$$

$$331_{67} - 317_{66} + 1 = 15 \frac{[NotPrimeCnt=4]}{[TC=66]}$$

$$337_{68} - 331_{67} + 1 = 7 \frac{[PrimeCnt=63]}{[TC=67]}$$

$$347_{69} - 337_{68} + 1 = 11 \frac{[PrimeCnt=64]}{[TC=68]}$$

$$349_{70} - 347_{69} + 1 = 3 \frac{[PrimeCnt=65]}{[TC=69]}$$

$$353_{71} - 349_{70} + 1 = 5 \frac{[PrimeCnt=66]}{[TC=70]}$$

$$359_{72} - 353_{71} + 1 = 7 \frac{[PrimeCnt=67]}{[TC=71]}$$

$$367_{73} - 359_{72} + 1 = 9 \frac{[NotPrimeCnt=5]}{[TC=72]}$$

$$373_{74} - 367_{73} + 1 = 7 \frac{[PrimeCnt=68]}{[TC=73]}$$

$$379_{75} - 373_{74} + 1 = 7 \frac{[PrimeCnt=69]}{[TC=74]}$$

$$383_{76} - 379_{75} + 1 = 5 \frac{[PrimeCnt=70]}{[TC=75]}$$

$$389_{77} - 383_{76} + 1 = 7 \frac{[PrimeCnt=71]}{[TC=76]}$$

$$397_{78} - 389_{77} + 1 = 9 \frac{[NotPrimeCnt=6]}{[TC=77]}$$

$$401_{79} - 397_{78} + 1 = 5 \frac{[PrimeCnt=72]}{[TC=78]}$$

$$409_{80} - 401_{79} + 1 = 9 \frac{[NotPrimeCnt=7]}{[TC=79]}$$

$$419_{81} - 409_{80} + 1 = 11 \frac{[PrimeCnt=73]}{[TC=80]}$$

$$421_{82} - 419_{81} + 1 = 3 \frac{[PrimeCnt=74]}{[TC=81]}$$

$$431_{83} - 421_{82} + 1 = 11 \frac{[PrimeCnt=75]}{[TC=82]}$$

$$433_{84} - 431_{83} + 1 = 3 \frac{[PrimeCnt=76]}{[TC=83]}$$

$$439_{85} - 433_{84} + 1 = 7 \frac{[PrimeCnt=77]}{[TC=84]}$$

$$443_{86} - 439_{85} + 1 = 5 \frac{[PrimeCnt=78]}{[TC=85]}$$

$$449_{87} - 443_{86} + 1 = 7 \frac{[PrimeCnt=79]}{[TC=86]}$$

$$457_{88} - 449_{87} + 1 = 9 \frac{[NotPrimeCnt=8]}{[TC=87]}$$

$$461_{89} - 457_{88} + 1 = 5 \frac{[PrimeCnt=80]}{[TC=88]}$$

$$463_{90} - 461_{89} + 1 = 3 \frac{[PrimeCnt=81]}{[TC=89]}$$

$$467_{91} - 463_{90} + 1 = 5 \frac{[PrimeCnt=82]}{[TC=90]}$$

$$479_{92} - 467_{91} + 1 = 13 \frac{[PrimeCnt=83]}{[TC=91]}$$

$$487_{93} - 479_{92} + 1 = 9 \frac{[NotPrimeCnt=9]}{[TC=92]}$$

$$491_{94} - 487_{93} + 1 = 5 \frac{[PrimeCnt=84]}{[TC=93]}$$

$$499_{95} - 491_{94} + 1 = 9 \frac{[NotPrimeCnt=10]}{[TC=94]}$$

$$503_{96} - 499_{95} + 1 = 5 \frac{[PrimeCnt=85]}{[TC=95]}$$

$$509_{97} - 503_{96} + 1 = 7 \frac{[PrimeCnt=86]}{[TC=96]}$$

$$521_{98} - 509_{97} + 1 = 13 \frac{[PrimeCnt=87]}{[TC=97]}$$

$$523_{99} - 521_{98} + 1 = 3 \frac{[PrimeCnt=88]}{[TC=98]}$$

$$\begin{aligned}
 541_{100} - 523_{99} + 1 &= 19 \frac{[PrimeCnt=89]}{[TC=99]} \\
 547_{101} - 541_{100} + 1 &= 7 \frac{[PrimeCnt=90]}{[TC=100]} \\
 3581_{501} - 3571_{500} + 1 &= 11 \frac{[PrimeCnt=427]}{[TC=500]} \\
 7927_{1001} - 7919_{1000} + 1 &= 9 \frac{[NotPrimeCnt=153]}{[TC=1000]} \\
 48619_{5001} - 48611_{5000} + 1 &= 9 \frac{[NotPrimeCnt=907]}{[TC=5000]} \\
 104743_{10001} - 104729_{10000} + 1 &= 15 \frac{[NotPrimeCnt=1988]}{[TC=10000]} \\
 611957_{50001} - 611953_{50000} + 1 &= 5 \frac{[PrimeCnt=38667]}{[TC=50000]} \\
 1299721_{100001} - 1299709_{100000} + 1 &= 13 \frac{[PrimeCnt=76376]}{[TC=100000]} \\
 7368791_{500001} - 7368787_{500000} + 1 &= 5 \frac{[PrimeCnt=372505]}{[TC=500000]} \\
 15485867_{1000001} - 15485863_{1000000} + 1 &= 5 \frac{[PrimeCnt=737281]}{[TC=1000000]} \tag{2}
 \end{aligned}$$

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> for e from 1 to 10 do print( [(e - 1) · 100 + 1 , e · 100] ) :for h from 1 to 10
do print(seq(ithprime((e - 1) · 100 + (h - 1) · 10 + j)[(h - 1) · 10 + j], j = 1 .. 10)) :od:
print( ) : od:

```

- [1, 100]
- 2₁, 3₂, 5₃, 7₄, 11₅, 13₆, 17₇, 19₈, 23₉, 29₁₀
31₁₁, 37₁₂, 41₁₃, 43₁₄, 47₁₅, 53₁₆, 59₁₇, 61₁₈, 67₁₉, 71₂₀
73₂₁, 79₂₂, 83₂₃, 89₂₄, 97₂₅, 101₂₆, 103₂₇, 107₂₈, 109₂₉, 113₃₀
127₃₁, 131₃₂, 137₃₃, 139₃₄, 149₃₅, 151₃₆, 157₃₇, 163₃₈, 167₃₉, 173₄₀
179₄₁, 181₄₂, 191₄₃, 193₄₄, 197₄₅, 199₄₆, 211₄₇, 223₄₈, 227₄₉, 229₅₀
233₅₁, 239₅₂, 241₅₃, 251₅₄, 257₅₅, 263₅₆, 269₅₇, 271₅₈, 277₅₉, 281₆₀
283₆₁, 293₆₂, 307₆₃, 311₆₄, 313₆₅, 317₆₆, 331₆₇, 337₆₈, 347₆₉, 349₇₀
353₇₁, 359₇₂, 367₇₃, 373₇₄, 379₇₅, 383₇₆, 389₇₇, 397₇₈, 401₇₉, 409₈₀
419₈₁, 421₈₂, 431₈₃, 433₈₄, 439₈₅, 443₈₆, 449₈₇, 457₈₈, 461₈₉, 463₉₀
467₉₁, 479₉₂, 487₉₃, 491₉₄, 499₉₅, 503₉₆, 509₉₇, 521₉₈, 523₉₉, 541₁₀₀
- [101, 200]
- 547₁, 557₂, 563₃, 569₄, 571₅, 577₆, 587₇, 593₈, 599₉, 601₁₀
607₁₁, 613₁₂, 617₁₃, 619₁₄, 631₁₅, 641₁₆, 643₁₇, 647₁₈, 653₁₉, 659₂₀
661₂₁, 673₂₂, 677₂₃, 683₂₄, 691₂₅, 701₂₆, 709₂₇, 719₂₈, 727₂₉, 733₃₀
739₃₁, 743₃₂, 751₃₃, 757₃₄, 761₃₅, 769₃₆, 773₃₇, 787₃₈, 797₃₉, 809₄₀
811₄₁, 821₄₂, 823₄₃, 827₄₄, 829₄₅, 839₄₆, 853₄₇, 857₄₈, 859₄₉, 863₅₀
877₅₁, 881₅₂, 883₅₃, 887₅₄, 907₅₅, 911₅₆, 919₅₇, 929₅₈, 937₅₉, 941₆₀

947₆₁, 953₆₂, 967₆₃, 971₆₄, 977₆₅, 983₆₆, 991₆₇, 997₆₈, 1009₆₉, 1013₇₀
1019₇₁, 1021₇₂, 1031₇₃, 1033₇₄, 1039₇₅, 1049₇₆, 1051₇₇, 1061₇₈, 1063₇₉, 1069₈₀
1087₈₁, 1091₈₂, 1093₈₃, 1097₈₄, 1103₈₅, 1109₈₆, 1117₈₇, 1123₈₈, 1129₈₉, 1151₉₀
1153₉₁, 1163₉₂, 1171₉₃, 1181₉₄, 1187₉₅, 1193₉₆, 1201₉₇, 1213₉₈, 1217₉₉, 1223₁₀₀

[201, 300]

1229₁, 1231₂, 1237₃, 1249₄, 1259₅, 1277₆, 1279₇, 1283₈, 1289₉, 1291₁₀
1297₁₁, 1301₁₂, 1303₁₃, 1307₁₄, 1319₁₅, 1321₁₆, 1327₁₇, 1361₁₈, 1367₁₉, 1373₂₀
1381₂₁, 1399₂₂, 1409₂₃, 1423₂₄, 1427₂₅, 1429₂₆, 1433₂₇, 1439₂₈, 1447₂₉, 1451₃₀
1453₃₁, 1459₃₂, 1471₃₃, 1481₃₄, 1483₃₅, 1487₃₆, 1489₃₇, 1493₃₈, 1499₃₉, 1511₄₀
1523₄₁, 1531₄₂, 1543₄₃, 1549₄₄, 1553₄₅, 1559₄₆, 1567₄₇, 1571₄₈, 1579₄₉, 1583₅₀
1597₅₁, 1601₅₂, 1607₅₃, 1609₅₄, 1613₅₅, 1619₅₆, 1621₅₇, 1627₅₈, 1637₅₉, 1657₆₀
1663₆₁, 1667₆₂, 1669₆₃, 1693₆₄, 1697₆₅, 1699₆₆, 1709₆₇, 1721₆₈, 1723₆₉, 1733₇₀
1741₇₁, 1747₇₂, 1753₇₃, 1759₇₄, 1777₇₅, 1783₇₆, 1787₇₇, 1789₇₈, 1801₇₉, 1811₈₀
1823₈₁, 1831₈₂, 1847₈₃, 1861₈₄, 1867₈₅, 1871₈₆, 1873₈₇, 1877₈₈, 1879₈₉, 1889₉₀
1901₉₁, 1907₉₂, 1913₉₃, 1931₉₄, 1933₉₅, 1949₉₆, 1951₉₇, 1973₉₈, 1979₉₉, 1987₁₀₀

[301, 400]

1993₁, 1997₂, 1999₃, 2003₄, 2011₅, 2017₆, 2027₇, 2029₈, 2039₉, 2053₁₀
2063₁₁, 2069₁₂, 2081₁₃, 2083₁₄, 2087₁₅, 2089₁₆, 2099₁₇, 2111₁₈, 2113₁₉, 2129₂₀
2131₂₁, 2137₂₂, 2141₂₃, 2143₂₄, 2153₂₅, 2161₂₆, 2179₂₇, 2203₂₈, 2207₂₉, 2213₃₀
2221₃₁, 2237₃₂, 2239₃₃, 2243₃₄, 2251₃₅, 2267₃₆, 2269₃₇, 2273₃₈, 2281₃₉, 2287₄₀
2293₄₁, 2297₄₂, 2309₄₃, 2311₄₄, 2333₄₅, 2339₄₆, 2341₄₇, 2347₄₈, 2351₄₉, 2357₅₀
2371₅₁, 2377₅₂, 2381₅₃, 2383₅₄, 2389₅₅, 2393₅₆, 2399₅₇, 2411₅₈, 2417₅₉, 2423₆₀
2437₆₁, 2441₆₂, 2447₆₃, 2459₆₄, 2467₆₅, 2473₆₆, 2477₆₇, 2503₆₈, 2521₆₉, 2531₇₀
2539₇₁, 2543₇₂, 2549₇₃, 2551₇₄, 2557₇₅, 2579₇₆, 2591₇₇, 2593₇₈, 2609₇₉, 2617₈₀
2621₈₁, 2633₈₂, 2647₈₃, 2657₈₄, 2659₈₅, 2663₈₆, 2671₈₇, 2677₈₈, 2683₈₉, 2687₉₀
2689₉₁, 2693₉₂, 2699₉₃, 2707₉₄, 2711₉₅, 2713₉₆, 2719₉₇, 2729₉₈, 2731₉₉, 2741₁₀₀

[401, 500]

2749₁, 2753₂, 2767₃, 2777₄, 2789₅, 2791₆, 2797₇, 2801₈, 2803₉, 2819₁₀
2833₁₁, 2837₁₂, 2843₁₃, 2851₁₄, 2857₁₅, 2861₁₆, 2879₁₇, 2887₁₈, 2897₁₉, 2903₂₀
2909₂₁, 2917₂₂, 2927₂₃, 2939₂₄, 2953₂₅, 2957₂₆, 2963₂₇, 2969₂₈, 2971₂₉, 2999₃₀
3001₃₁, 3011₃₂, 3019₃₃, 3023₃₄, 3037₃₅, 3041₃₆, 3049₃₇, 3061₃₈, 3067₃₉, 3079₄₀
3083₄₁, 3089₄₂, 3109₄₃, 3119₄₄, 3121₄₅, 3137₄₆, 3163₄₇, 3167₄₈, 3169₄₉, 3181₅₀
3187₅₁, 3191₅₂, 3203₅₃, 3209₅₄, 3217₅₅, 3221₅₆, 3229₅₇, 3251₅₈, 3253₅₉, 3257₆₀
3259₆₁, 3271₆₂, 3299₆₃, 3301₆₄, 3307₆₅, 3313₆₆, 3319₆₇, 3323₆₈, 3329₆₉, 3331₇₀
3343₇₁, 3347₇₂, 3359₇₃, 3361₇₄, 3371₇₅, 3373₇₆, 3389₇₇, 3391₇₈, 3407₇₉, 3413₈₀

3433₈₁, 3449₈₂, 3457₈₃, 3461₈₄, 3463₈₅, 3467₈₆, 3469₈₇, 3491₈₈, 3499₈₉, 3511₉₀
3517₉₁, 3527₉₂, 3529₉₃, 3533₉₄, 3539₉₅, 3541₉₆, 3547₉₇, 3557₉₈, 3559₉₉, 3571₁₀₀

[501, 600]

3581₁, 3583₂, 3593₃, 3607₄, 3613₅, 3617₆, 3623₇, 3631₈, 3637₉, 3643₁₀
3659₁₁, 3671₁₂, 3673₁₃, 3677₁₄, 3691₁₅, 3697₁₆, 3701₁₇, 3709₁₈, 3719₁₉, 3727₂₀
3733₂₁, 3739₂₂, 3761₂₃, 3767₂₄, 3769₂₅, 3779₂₆, 3793₂₇, 3797₂₈, 3803₂₉, 3821₃₀
3823₃₁, 3833₃₂, 3847₃₃, 3851₃₄, 3853₃₅, 3863₃₆, 3877₃₇, 3881₃₈, 3889₃₉, 3907₄₀
3911₄₁, 3917₄₂, 3919₄₃, 3923₄₄, 3929₄₅, 3931₄₆, 3943₄₇, 3947₄₈, 3967₄₉, 3989₅₀
4001₅₁, 4003₅₂, 4007₅₃, 4013₅₄, 4019₅₅, 4021₅₆, 4027₅₇, 4049₅₈, 4051₅₉, 4057₆₀
4073₆₁, 4079₆₂, 4091₆₃, 4093₆₄, 4099₆₅, 4111₆₆, 4127₆₇, 4129₆₈, 4133₆₉, 4139₇₀
4153₇₁, 4157₇₂, 4159₇₃, 4177₇₄, 4201₇₅, 4211₇₆, 4217₇₇, 4219₇₈, 4229₇₉, 4231₈₀
4241₈₁, 4243₈₂, 4253₈₃, 4259₈₄, 4261₈₅, 4271₈₆, 4273₈₇, 4283₈₈, 4289₈₉, 4297₉₀
4327₉₁, 4337₉₂, 4339₉₃, 4349₉₄, 4357₉₅, 4363₉₆, 4373₉₇, 4391₉₈, 4397₉₉, 4409₁₀₀

[601, 700]

4421₁, 4423₂, 4441₃, 4447₄, 4451₅, 4457₆, 4463₇, 4481₈, 4483₉, 4493₁₀
4507₁₁, 4513₁₂, 4517₁₃, 4519₁₄, 4523₁₅, 4547₁₆, 4549₁₇, 4561₁₈, 4567₁₉, 4583₂₀
4591₂₁, 4597₂₂, 4603₂₃, 4621₂₄, 4637₂₅, 4639₂₆, 4643₂₇, 4649₂₈, 4651₂₉, 4657₃₀
4663₃₁, 4673₃₂, 4679₃₃, 4691₃₄, 4703₃₅, 4721₃₆, 4723₃₇, 4729₃₈, 4733₃₉, 4751₄₀
4759₄₁, 4783₄₂, 4787₄₃, 4789₄₄, 4793₄₅, 4799₄₆, 4801₄₇, 4813₄₈, 4817₄₉, 4831₅₀
4861₅₁, 4871₅₂, 4877₅₃, 4889₅₄, 4903₅₅, 4909₅₆, 4919₅₇, 4931₅₈, 4933₅₉, 4937₆₀
4943₆₁, 4951₆₂, 4957₆₃, 4967₆₄, 4969₆₅, 4973₆₆, 4987₆₇, 4993₆₈, 4999₆₉, 5003₇₀
5009₇₁, 5011₇₂, 5021₇₃, 5023₇₄, 5039₇₅, 5051₇₆, 5059₇₇, 5077₇₈, 5081₇₉, 5087₈₀
5099₈₁, 5101₈₂, 5107₈₃, 5113₈₄, 5119₈₅, 5147₈₆, 5153₈₇, 5167₈₈, 5171₈₉, 5179₉₀
5189₉₁, 5197₉₂, 5209₉₃, 5227₉₄, 5231₉₅, 5233₉₆, 5237₉₇, 5261₉₈, 5273₉₉, 5279₁₀₀

[701, 800]

5281₁, 5297₂, 5303₃, 5309₄, 5323₅, 5333₆, 5347₇, 5351₈, 5381₉, 5387₁₀
5393₁₁, 5399₁₂, 5407₁₃, 5413₁₄, 5417₁₅, 5419₁₆, 5431₁₇, 5437₁₈, 5441₁₉, 5443₂₀
5449₂₁, 5471₂₂, 5477₂₃, 5479₂₄, 5483₂₅, 5501₂₆, 5503₂₇, 5507₂₈, 5519₂₉, 5521₃₀
5527₃₁, 5531₃₂, 5557₃₃, 5563₃₄, 5569₃₅, 5573₃₆, 5581₃₇, 5591₃₈, 5623₃₉, 5639₄₀
5641₄₁, 5647₄₂, 5651₄₃, 5653₄₄, 5657₄₅, 5659₄₆, 5669₄₇, 5683₄₈, 5689₄₉, 5693₅₀
5701₅₁, 5711₅₂, 5717₅₃, 5737₅₄, 5741₅₅, 5743₅₆, 5749₅₇, 5779₅₈, 5783₅₉, 5791₆₀
5801₆₁, 5807₆₂, 5813₆₃, 5821₆₄, 5827₆₅, 5839₆₆, 5843₆₇, 5849₆₈, 5851₆₉, 5857₇₀
5861₇₁, 5867₇₂, 5869₇₃, 5879₇₄, 5881₇₅, 5897₇₆, 5903₇₇, 5923₇₈, 5927₇₉, 5939₈₀
5953₈₁, 5981₈₂, 5987₈₃, 6007₈₄, 6011₈₅, 6029₈₆, 6037₈₇, 6043₈₈, 6047₈₉, 6053₉₀
6067₉₁, 6073₉₂, 6079₉₃, 6089₉₄, 6091₉₅, 6101₉₆, 6113₉₇, 6121₉₈, 6131₉₉, 6133₁₀₀

[801, 900]

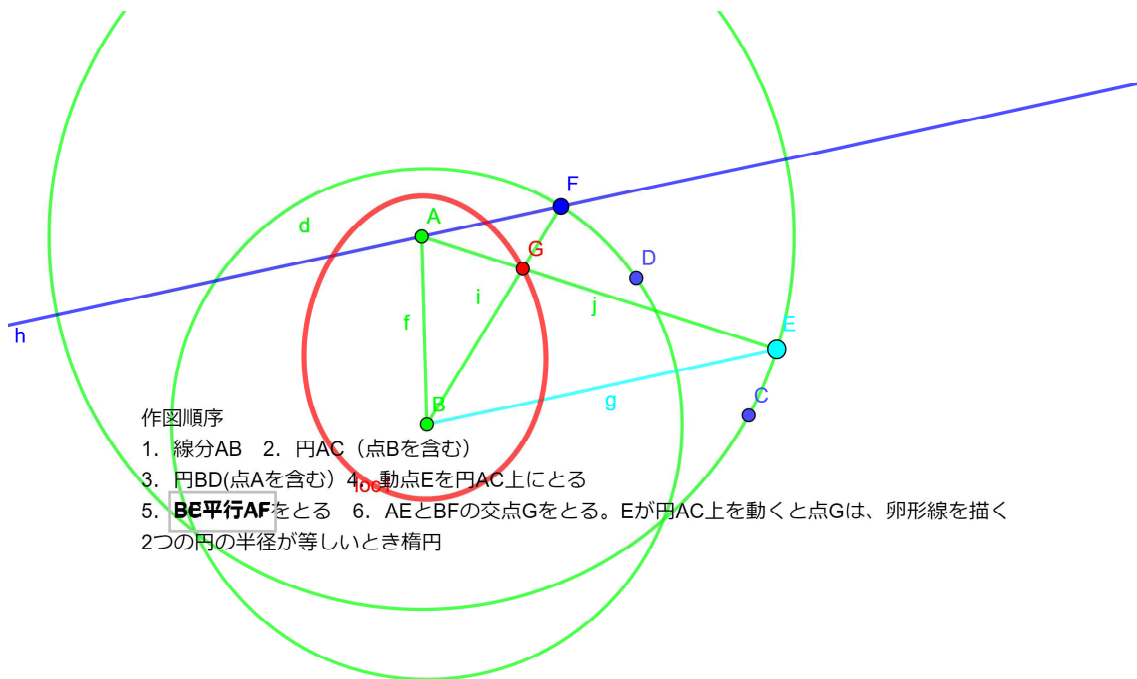
6143₁, 6151₂, 6163₃, 6173₄, 6197₅, 6199₆, 6203₇, 6211₈, 6217₉, 6221₁₀
6229₁₁, 6247₁₂, 6257₁₃, 6263₁₄, 6269₁₅, 6271₁₆, 6277₁₇, 6287₁₈, 6299₁₉, 6301₂₀
6311₂₁, 6317₂₂, 6323₂₃, 6329₂₄, 6337₂₅, 6343₂₆, 6353₂₇, 6359₂₈, 6361₂₉, 6367₃₀
6373₃₁, 6379₃₂, 6389₃₃, 6397₃₄, 6421₃₅, 6427₃₆, 6449₃₇, 6451₃₈, 6469₃₉, 6473₄₀
6481₄₁, 6491₄₂, 6521₄₃, 6529₄₄, 6547₄₅, 6551₄₆, 6553₄₇, 6563₄₈, 6569₄₉, 6571₅₀
6577₅₁, 6581₅₂, 6599₅₃, 6607₅₄, 6619₅₅, 6637₅₆, 6653₅₇, 6659₅₈, 6661₅₉, 6673₆₀
6679₆₁, 6689₆₂, 6691₆₃, 6701₆₄, 6703₆₅, 6709₆₆, 6719₆₇, 6733₆₈, 6737₆₉, 6761₇₀
6763₇₁, 6779₇₂, 6781₇₃, 6791₇₄, 6793₇₅, 6803₇₆, 6823₇₇, 6827₇₈, 6829₇₉, 6833₈₀
6841₈₁, 6857₈₂, 6863₈₃, 6869₈₄, 6871₈₅, 6883₈₆, 6899₈₇, 6907₈₈, 6911₈₉, 6917₉₀
6947₉₁, 6949₉₂, 6959₉₃, 6961₉₄, 6967₉₅, 6971₉₆, 6977₉₇, 6983₉₈, 6991₉₉, 6997₁₀₀

[901, 1000]

7001₁, 7013₂, 7019₃, 7027₄, 7039₅, 7043₆, 7057₇, 7069₈, 7079₉, 7103₁₀
7109₁₁, 7121₁₂, 7127₁₃, 7129₁₄, 7151₁₅, 7159₁₆, 7177₁₇, 7187₁₈, 7193₁₉, 7207₂₀
7211₂₁, 7213₂₂, 7219₂₃, 7229₂₄, 7237₂₅, 7243₂₆, 7247₂₇, 7253₂₈, 7283₂₉, 7297₃₀
7307₃₁, 7309₃₂, 7321₃₃, 7331₃₄, 7333₃₅, 7349₃₆, 7351₃₇, 7369₃₈, 7393₃₉, 7411₄₀
7417₄₁, 7433₄₂, 7451₄₃, 7457₄₄, 7459₄₅, 7477₄₆, 7481₄₇, 7487₄₈, 7489₄₉, 7499₅₀
7507₅₁, 7517₅₂, 7523₅₃, 7529₅₄, 7537₅₅, 7541₅₆, 7547₅₇, 7549₅₈, 7559₅₉, 7561₆₀
7573₆₁, 7577₆₂, 7583₆₃, 7589₆₄, 7591₆₅, 7603₆₆, 7607₆₇, 7621₆₈, 7639₆₉, 7643₇₀
7649₇₁, 7669₇₂, 7673₇₃, 7681₇₄, 7687₇₅, 7691₇₆, 7699₇₇, 7703₇₈, 7717₇₉, 7723₈₀
7727₈₁, 7741₈₂, 7753₈₃, 7757₈₄, 7759₈₅, 7789₈₆, 7793₈₇, 7817₈₈, 7823₈₉, 7829₉₀
7841₉₁, 7853₉₂, 7867₉₃, 7873₉₄, 7877₉₅, 7879₉₆, 7883₉₇, 7901₉₈, 7907₉₉, 7919₁₀₀



卵形線の第二定義作図法とその軌跡 2円を準円という。1973年図学研究に発表

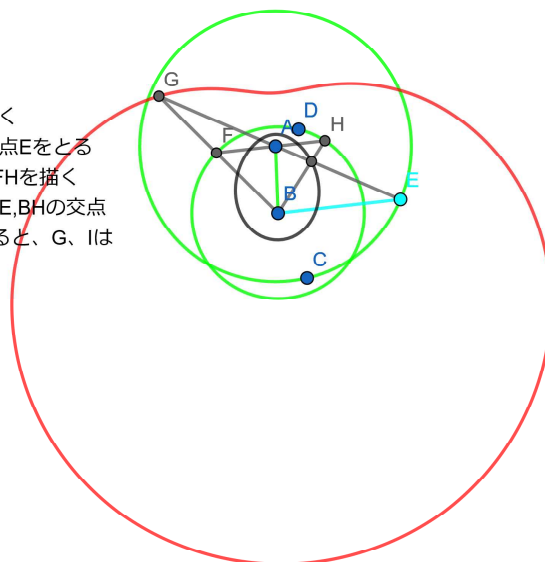


作図上の注意

直線は、適当な端点を結び線分に直した。そして、直線を非表示にした。

Doval 第2作図法

1. 線分ABを引く
2. 円ACを描く
3. 円BDを描く
4. 円AC上に同点Eをとる
5. BEに平行な点Aを通る平行線FHを描く
6. 直線AEと直線BFの交点をG、AE,BHの交点をIとする。Eが円周上を1回転すると、G、IはDovalを外分枝、内分枝を描く



注 点 A,B,C,D の移動により Doval の大きさ、形は変わる