

> # 円周率 3.xxxN ラスト桁N=0,1,2,,,,,9 by H.E:

> for N from 0 to 9 do for h from 1 to 100 do if floor(evalf(Pi·10^{h-1}, 100)
- floor(evalf(Pi·10^{h-2}, 100)) · 10 = N then H := h : break if: od: print() :
print(3. . . . ({N} = 小数点以下 [{H-1} 桁目]) = evalf(floor(evalf(Pi·10^{H-1},
1000)) · 10^{-(H-1)}, H)) : od: for N from 10 to 99 do for h from 1 to 1000 do
if floor(evalf(Pi·10^{h-1}, 1000)) - floor(evalf(Pi·10^{h-3}, 1000)) · 100 = N then H :=
h : break if: od: print() : print(3. . . . ({N} = 小数点以下 [{H-1} 桁目])
= evalf(floor(evalf(Pi·10^{H-1}, 1000)) · 10^{-(H-1)}, H)) : od:

3. . . . ({0} = 小数点以下_{32} 桁目) = 3.14159265358979323846264338327950

3. . . . ({1} = 小数点以下_{1} 桁目) = 3.1

3. . . . ({2} = 小数点以下_{6} 桁目) = 3.141592

3. . . . ({3} = 小数点以下_{0} 桁目) = 3.

3. . . . ({4} = 小数点以下_{2} 桁目) = 3.14

3. . . . ({5} = 小数点以下_{4} 桁目) = 3.1415

3. . . . ({6} = 小数点以下_{7} 桁目) = 3.1415926

3. . . . ({7} = 小数点以下_{13} 桁目) = 3.1415926535897

3. . . . ({8} = 小数点以下_{11} 桁目) = 3.14159265358

3. . . . ({9} = 小数点以下_{5} 桁目) = 3.14159

3. . . . ({10} = 小数点以下_{50} 桁目)
= 3.14159265358979323846264338327950288419716939937510

3. . . . ({11} = 小数点以下_{95} 桁目)
= 3.14159265358979323846264338327950288419716939937510582097494459230781\
640628620899862803482534211

3. . . . ({12} = 小数点以下_{149} 桁目)
= 3.14159265358979323846264338327950288419716939937510582097494459230781\
64062862089986280348253421170679821480865132823066470938446095505822317\
2535940812

$$3. \dots (\{13\} = \text{小数点以下}_{\{111\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 6406286208998628034825342117067982148086513$$

$$3. \dots (\{14\} = \text{小数点以下}_{\{2\}} \text{桁目}) = 3.14$$

$$3. \dots (\{15\} = \text{小数点以下}_{\{4\}} \text{桁目}) = 3.1415$$

$$3. \dots (\{16\} = \text{小数点以下}_{\{41\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716$$

$$3. \dots (\{17\} = \text{小数点以下}_{\{96\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 6406286208998628034825342117$$

$$3. \dots (\{18\} = \text{小数点以下}_{\{425\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348253421170679821480865132823066470938446095505822317 \backslash \\ 25359408128481117450284102701938521105559644622948954930381964428810975 \backslash \\ 66593344612847564823378678316527120190914564856692346034861045432664821 \backslash \\ 33936072602491412737245870066063155881748815209209628292540917153643678 \backslash \\ 92590360011330530548820466521384146951941511609433057270365759591953092 \backslash \\ 18$$

$$3. \dots (\{19\} = \text{小数点以下}_{\{38\}} \text{桁目}) = 3.14159265358979323846264338327950288419$$

$$3. \dots (\{20\} = \text{小数点以下}_{\{54\}} \text{桁目}) \\ = 3.141592653589793238462643383279502884197169399375105820$$

$$3. \dots (\{21\} = \text{小数点以下}_{\{94\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348253421$$

$$3. \dots (\{22\} = \text{小数点以下}_{\{136\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348253421170679821480865132823066470938446095505822$$

$$3. \dots (\{23\} = \text{小数点以下}_{\{17\}} \text{桁目}) = 3.14159265358979323$$

$$3. \dots (\{24\} = \text{小数点以下}_{\{293\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348253421170679821480865132823066470938446095505822317 \backslash \\ 25359408128481117450284102701938521105559644622948954930381964428810975 \backslash$$

66593344612847564823378678316527120190914564856692346034861045432664821\
339360726024

3. . . . ({25} = 小数点以下_{90} 桁目)
= 3.14159265358979323846264338327950288419716939937510582097494459230781\
6406286208998628034825

3. . . . ({26} = 小数点以下_{7} 桁目) = 3.1415926

3. . . . ({27} = 小数点以下_{29} 桁目) = 3.14159265358979323846264338327

3. . . . ({28} = 小数点以下_{34} 桁目) = 3.1415926535897932384626433832795028

3. . . . ({29} = 小数点以下_{187} 桁目)
= 3.14159265358979323846264338327950288419716939937510582097494459230781\
64062862089986280348253421170679821480865132823066470938446095505822317\
253594081284811174502841027019385211055596446229

3. . . . ({30} = 小数点以下_{65} 桁目)
= 3.14159265358979323846264338327950288419716939937510582097494459230

3. . . . ({31} = 小数点以下_{1} 桁目) = 3.1

3. . . . ({32} = 小数点以下_{16} 桁目) = 3.1415926535897932

3. . . . ({33} = 小数点以下_{25} 桁目) = 3.1415926535897932384626433

3. . . . ({34} = 小数点以下_{87} 桁目)
= 3.14159265358979323846264338327950288419716939937510582097494459230781\
6406286208998628034

3. . . . ({35} = 小数点以下_{10} 桁目) = 3.1415926535

3. . . . ({36} = 小数点以下_{286} 桁目)
= 3.14159265358979323846264338327950288419716939937510582097494459230781\
64062862089986280348253421170679821480865132823066470938446095505822317\
25359408128481117450284102701938521105559644622948954930381964428810975\
66593344612847564823378678316527120190914564856692346034861045432664821\
33936

3. . . . ({37} = 小数点以下_{47} 桁目)
= 3.14159265358979323846264338327950288419716939937

$$3. \dots (\{38\} = \text{小数点以下}_{\{18\}} \text{桁目}) = 3.141592653589793238$$

$$3. \dots (\{39\} = \text{小数点以下}_{\{44\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939$$

$$3. \dots (\{40\} = \text{小数点以下}_{\{71\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 640$$

$$3. \dots (\{41\} = \text{小数点以下}_{\{3\}} \text{桁目}) = 3.141$$

$$3. \dots (\{42\} = \text{小数点以下}_{\{93\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 6406286208998628034825342$$

$$3. \dots (\{43\} = \text{小数点以下}_{\{24\}} \text{桁目}) = 3.141592653589793238462643$$

$$3. \dots (\{44\} = \text{小数点以下}_{\{60\}} \text{桁目}) \\ = 3.141592653589793238462643383279502884197169399375105820974944$$

$$3. \dots (\{45\} = \text{小数点以下}_{\{61\}} \text{桁目}) \\ = 3.1415926535897932384626433832795028841971693993751058209749445$$

$$3. \dots (\{46\} = \text{小数点以下}_{\{20\}} \text{桁目}) = 3.14159265358979323846$$

$$3. \dots (\{47\} = \text{小数点以下}_{\{120\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 6406286208998628034825342117067982148086513282306647$$

$$3. \dots (\{48\} = \text{小数点以下}_{\{88\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348$$

$$3. \dots (\{49\} = \text{小数点以下}_{\{58\}} \text{桁目}) \\ = 3.1415926535897932384626433832795028841971693993751058209749$$

$$3. \dots (\{50\} = \text{小数点以下}_{\{32\}} \text{桁目}) = 3.14159265358979323846264338327950$$

$$3. \dots (\{51\} = \text{小数点以下}_{\{49\}} \text{桁目}) \\ = 3.1415926535897932384626433832795028841971693993751$$

3. . . . ({52} = 小数点以下_{173} 桁目)
= 3.14159265358979323846264338327950288419716939937510582097494459230781\
64062862089986280348253421170679821480865132823066470938446095505822317\
2535940812848111745028410270193852

3. . . . ({53} = 小数点以下_{9} 桁目) = 3.141592653

3. . . . ({54} = 小数点以下_{192} 桁目)
= 3.14159265358979323846264338327950288419716939937510582097494459230781\
64062862089986280348253421170679821480865132823066470938446095505822317\
25359408128481117450284102701938521105559644622948954

3. . . . ({55} = 小数点以下_{131} 桁目)
= 3.14159265358979323846264338327950288419716939937510582097494459230781\
640628620899862803482534211706798214808651328230664709384460955

3. . . . ({56} = 小数点以下_{211} 桁目)
= 3.14159265358979323846264338327950288419716939937510582097494459230781\
64062862089986280348253421170679821480865132823066470938446095505822317\
25359408128481117450284102701938521105559644622948954930381964428810975\
6

3. . . . ({57} = 小数点以下_{405} 桁目)
= 3.14159265358979323846264338327950288419716939937510582097494459230781\
64062862089986280348253421170679821480865132823066470938446095505822317\
25359408128481117450284102701938521105559644622948954930381964428810975\
66593344612847564823378678316527120190914564856692346034861045432664821\
33936072602491412737245870066063155881748815209209628292540917153643678\
92590360011330530548820466521384146951941511609433057

3. . . . ({58} = 小数点以下_{11} 桁目) = 3.14159265358

3. . . . ({59} = 小数点以下_{5} 桁目) = 3.14159

3. . . . ({60} = 小数点以下_{128} 桁目)
= 3.14159265358979323846264338327950288419716939937510582097494459230781\
640628620899862803482534211706798214808651328230664709384460

3. . . . ({61} = 小数点以下_{220} 桁目)
= 3.14159265358979323846264338327950288419716939937510582097494459230781\
64062862089986280348253421170679821480865132823066470938446095505822317\
25359408128481117450284102701938521105559644622948954930381964428810975\
6659334461

$$3. \dots (\{62\} = \text{小数点以下}_{\{21\} \text{ 桁目}}) = 3.141592653589793238462$$

$$3. \dots (\{63\} = \text{小数点以下}_{\{313\} \text{ 桁目}})$$

$$= 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348253421170679821480865132823066470938446095505822317 \backslash \\ 25359408128481117450284102701938521105559644622948954930381964428810975 \backslash \\ 66593344612847564823378678316527120190914564856692346034861045432664821 \backslash \\ 33936072602491412737245870066063$$

$$3. \dots (\{64\} = \text{小数点以下}_{\{23\} \text{ 桁目}}) = 3.14159265358979323846264$$

$$3. \dots (\{65\} = \text{小数点以下}_{\{8\} \text{ 桁目}}) = 3.14159265$$

$$3. \dots (\{66\} = \text{小数点以下}_{\{118\} \text{ 桁目}})$$

$$= 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348253421170679821480865132823066$$

$$3. \dots (\{67\} = \text{小数点以下}_{\{99\} \text{ 桁目}})$$

$$= 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 6406286208998628034825342117067$$

$$3. \dots (\{68\} = \text{小数点以下}_{\{606\} \text{ 桁目}})$$

$$= 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348253421170679821480865132823066470938446095505822317 \backslash \\ 25359408128481117450284102701938521105559644622948954930381964428810975 \backslash \\ 66593344612847564823378678316527120190914564856692346034861045432664821 \backslash \\ 33936072602491412737245870066063155881748815209209628292540917153643678 \backslash \\ 92590360011330530548820466521384146951941511609433057270365759591953092 \backslash \\ 18611738193261179310511854807446237996274956735188575272489122793818301 \backslash \\ 19491298336733624406566430860213949463952247371907021798609437027705392 \backslash \\ 17176293176752384674818467669405132000568$$

$$3. \dots (\{69\} = \text{小数点以下}_{\{42\} \text{ 桁目}})$$

$$= 3.141592653589793238462643383279502884197169$$

$$3. \dots (\{70\} = \text{小数点以下}_{\{97\} \text{ 桁目}})$$

$$= 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348253421170$$

$$3. \dots (\{71\} = \text{小数点以下}_{\{40\} \text{ 桁目}})$$

$$= 3.1415926535897932384626433832795028841971$$

$$3. \dots (\{72\} = \text{小数点以下}_{\{140\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348253421170679821480865132823066470938446095505822317 \backslash \\ 2$$

$$3. \dots (\{73\} = \text{小数点以下}_{\{300\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348253421170679821480865132823066470938446095505822317 \backslash \\ 25359408128481117450284102701938521105559644622948954930381964428810975 \backslash \\ 66593344612847564823378678316527120190914564856692346034861045432664821 \backslash \\ 3393607260249141273$$

$$3. \dots (\{74\} = \text{小数点以下}_{\{57\}} \text{桁目}) \\ = 3.141592653589793238462643383279502884197169399375105820974$$

$$3. \dots (\{75\} = \text{小数点以下}_{\{48\}} \text{桁目}) \\ = 3.141592653589793238462643383279502884197169399375$$

$$3. \dots (\{76\} = \text{小数点以下}_{\{570\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348253421170679821480865132823066470938446095505822317 \backslash \\ 25359408128481117450284102701938521105559644622948954930381964428810975 \backslash \\ 66593344612847564823378678316527120190914564856692346034861045432664821 \backslash \\ 33936072602491412737245870066063155881748815209209628292540917153643678 \backslash \\ 92590360011330530548820466521384146951941511609433057270365759591953092 \backslash \\ 18611738193261179310511854807446237996274956735188575272489122793818301 \backslash \\ 19491298336733624406566430860213949463952247371907021798609437027705392 \backslash \\ 17176$$

$$3. \dots (\{77\} = \text{小数点以下}_{\{560\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348253421170679821480865132823066470938446095505822317 \backslash \\ 25359408128481117450284102701938521105559644622948954930381964428810975 \backslash \\ 66593344612847564823378678316527120190914564856692346034861045432664821 \backslash \\ 33936072602491412737245870066063155881748815209209628292540917153643678 \backslash \\ 92590360011330530548820466521384146951941511609433057270365759591953092 \backslash \\ 18611738193261179310511854807446237996274956735188575272489122793818301 \backslash \\ 194912983367336244065664308602139494639522473719070217986094370277$$

$$3. \dots (\{78\} = \text{小数点以下}_{\{67\}} \text{桁目}) \\ = 3.1415926535897932384626433832795028841971693993751058209749445923078$$

$$3. \dots (\{79\} = \text{小数点以下}_{\{14\}} \text{桁目}) = 3.14159265358979$$

$$3. \dots (\{80\} = \text{小数点以下}_{\{85\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280$$

$$3. \dots (\{81\} = \text{小数点以下}_{\{68\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781$$

$$3. \dots (\{82\} = \text{小数点以下}_{\{53\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582$$

$$3. \dots (\{83\} = \text{小数点以下}_{\{27\}} \text{桁目}) = 3.141592653589793238462643383$$

$$3. \dots (\{84\} = \text{小数点以下}_{\{19\}} \text{桁目}) = 3.1415926535897932384$$

$$3. \dots (\{85\} = \text{小数点以下}_{\{172\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348253421170679821480865132823066470938446095505822317 \backslash \\ 253594081284811174502841027019385$$

$$3. \dots (\{86\} = \text{小数点以下}_{\{75\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 6406286$$

$$3. \dots (\{87\} = \text{小数点以下}_{\{306\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348253421170679821480865132823066470938446095505822317 \backslash \\ 25359408128481117450284102701938521105559644622948954930381964428810975 \backslash \\ 66593344612847564823378678316527120190914564856692346034861045432664821 \backslash \\ 3393607260249141273724587$$

$$3. \dots (\{88\} = \text{小数点以下}_{\{35\}} \text{桁目}) = 3.14159265358979323846264338327950288$$

$$3. \dots (\{89\} = \text{小数点以下}_{\{12\}} \text{桁目}) = 3.141592653589$$

$$3. \dots (\{90\} = \text{小数点以下}_{\{248\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348253421170679821480865132823066470938446095505822317 \backslash \\ 25359408128481117450284102701938521105559644622948954930381964428810975 \backslash \\ 66593344612847564823378678316527120190$$

$$3. \dots (\{91\} = \text{小数点以下}_{\{250\}} \text{桁目}) \\ = 3.14159265358979323846264338327950288419716939937510582097494459230781 \backslash \\ 64062862089986280348253421170679821480865132823066470938446095505822317 \backslash$$

25359408128481117450284102701938521105559644622948954930381964428810975\
6659334461284756482337867831652712019091

$$3. \dots (\{92\} = \text{小数点以下}_{\{6\} \text{ 桁目}}) = 3.141592$$

$$3. \dots (\{93\} = \text{小数点以下}_{\{15\} \text{ 桁目}}) = 3.141592653589793$$

$$3. \dots (\{94\} = \text{小数点以下}_{\{59\} \text{ 桁目}})$$

$$= 3.14159265358979323846264338327950288419716939937510582097494$$

$$3. \dots (\{95\} = \text{小数点以下}_{\{31\} \text{ 桁目}}) = 3.1415926535897932384626433832795$$

$$3. \dots (\{96\} = \text{小数点以下}_{\{181\} \text{ 桁目}})$$

$$= 3.14159265358979323846264338327950288419716939937510582097494459230781\
64062862089986280348253421170679821480865132823066470938446095505822317\
253594081284811174502841027019385211055596$$

$$3. \dots (\{97\} = \text{小数点以下}_{\{13\} \text{ 桁目}}) = 3.1415926535897$$

$$3. \dots (\{98\} = \text{小数点以下}_{\{81\} \text{ 桁目}})$$

$$= 3.14159265358979323846264338327950288419716939937510582097494459230781\
6406286208998$$

$$3. \dots (\{99\} = \text{小数点以下}_{\{45\} \text{ 桁目}})$$

$$= 3.141592653589793238462643383279502884197169399$$

(1)

