

> # 6以上の偶数の素数の和分解の種類数別リスト by H.E :

> for n from 1 to 100 do N||n := 0 :od: hc := 0 :for h from 6 to 100 by 2 do H := {} : c := 0 :for x from 1 to 25 do for y from x to 25 do if ithprime(x) + ithprime(y) = h then c := c + 1 : H := H union {[h = ithprime(x) [{x} thp] + ithprime(y) [{y} thp]]} fi:od:od:if hc < c and c ≠ 0 then hc := c fi: if c ≠ 0 then N||c := N||c + 1 : Hs||c|| (N||c) := H fi:od: tc := 0 :for s from 1 to hc do if N||s ≠ 0 then for j from 1 to N||s do tc := tc + 1 : print({s} 種類数[no=j][Tc=tc]) : for k from 1 to s do print((Hs||s||j) [k]) :od :od else print({s} 種類数[{0} 個]) fi:od:

{1} (種類数_{no=1})_{Tc=1}

[6 = 2_{2} thp]

{1} (種類数_{no=2})_{Tc=2}

[8 = 3_{2} thp + 5_{3} thp]

{1} (種類数_{no=3})_{Tc=3}

[12 = 5_{3} thp + 7_{4} thp]

{2} (種類数_{no=1})_{Tc=4}

[10 = 2_{3} thp]

[10 = 3_{2} thp + 7_{4} thp]

{2} (種類数_{no=2})_{Tc=5}

[14 = 2_{4} thp]

[14 = 3_{2} thp + 11_{5} thp]

{2} (種類数_{no=3})_{Tc=6}

[16 = 3_{2} thp + 13_{6} thp]

[16 = 5_{3} thp + 11_{5} thp]

{2} (種類数_{no=4})_{Tc=7}

[18 = 5_{3} thp + 13_{6} thp]

[18 = 7_{4} thp + 11_{5} thp]

{2} (種類数_{no=5})_{Tc=8}

[20 = 3_{2} thp + 17_{7} thp]

[20 = 7_{4} thp + 13_{6} thp]

{2} (種類数_{no=6})_{Tc=9}

[28 = 5_{3} thp + 23_{9} thp]

[28 = 11_{5} thp + 17_{7} thp]

{2} (種類数_{no=7})_{Tc=10}

[32 = 3_{2} thp + 29_{10} thp]

[32 = 13_{6} thp + 19_{8} thp]

{2} (種類数_{no=8})_{Tc=11}

[38 = 2_{8} thp]

$$[38 = 7_{\{4\} thp} + 31_{\{11\} thp}]$$

{2} (種類数_{no=9})_{Tc=12}

$$[68 = 7_{\{4\} thp} + 61_{\{18\} thp}]$$

$$[68 = 31_{\{11\} thp} + 37_{\{12\} thp}]$$

{3} (種類数_{no=1})_{Tc=13}

$$[22 = 2 \cdot 11_{\{5\} thp}]$$

$$[22 = 3_{\{2\} thp} + 19_{\{8\} thp}]$$

$$[22 = 5_{\{3\} thp} + 17_{\{7\} thp}]$$

{3} (種類数_{no=2})_{Tc=14}

$$[24 = 5_{\{3\} thp} + 19_{\{8\} thp}]$$

$$[24 = 7_{\{4\} thp} + 17_{\{7\} thp}]$$

$$[24 = 11_{\{5\} thp} + 13_{\{6\} thp}]$$

{3} (種類数_{no=3})_{Tc=15}

$$[26 = 2 \cdot 13_{\{6\} thp}]$$

$$[26 = 3_{\{2\} thp} + 23_{\{9\} thp}]$$

$$[26 = 7_{\{4\} thp} + 19_{\{8\} thp}]$$

{3} (種類数_{no=4})_{Tc=16}

$$[30 = 7_{\{4\} thp} + 23_{\{9\} thp}]$$

$$[30 = 11_{\{5\} thp} + 19_{\{8\} thp}]$$

$$[30 = 13_{\{6\} thp} + 17_{\{7\} thp}]$$

{3} (種類数_{no=5})_{Tc=17}

$$[40 = 3_{\{2\} thp} + 37_{\{12\} thp}]$$

$$[40 = 11_{\{5\} thp} + 29_{\{10\} thp}]$$

$$[40 = 17_{\{7\} thp} + 23_{\{9\} thp}]$$

{3} (種類数_{no=6})_{Tc=18}

$$[44 = 3_{\{2\} thp} + 41_{\{13\} thp}]$$

$$[44 = 7_{\{4\} thp} + 37_{\{12\} thp}]$$

$$[44 = 13_{\{6\} thp} + 31_{\{11\} thp}]$$

{3} (種類数_{no=7})_{Tc=19}

$$[52 = 5_{\{3\} thp} + 47_{\{15\} thp}]$$

$$[52 = 11_{\{5\} thp} + 41_{\{13\} thp}]$$

$$[52 = 23_{\{9\} thp} + 29_{\{10\} thp}]$$

{3} (種類数_{no=8})_{Tc=20}

$$[56 = 3_{\{2\} thp} + 53_{\{16\} thp}]$$

$$[56 = 13_{\{6\} thp} + 43_{\{14\} thp}]$$

$$[56 = 19_{\{8\} thp} + 37_{\{12\} thp}]$$

{3} (種類数_{no=9})_{Tc=21}

$$[62 = 2 \ 31_{\{11\} thp}]$$

$$[62 = 3_{\{2\} thp} + 59_{\{17\} thp}]$$

$$[62 = 19_{\{8\} thp} + 43_{\{14\} thp}]$$

{3} (種類数_{no=10})_{Tc=22}

$$[98 = 19_{\{8\} thp} + 79_{\{22\} thp}]$$

$$[98 = 31_{\{11\} thp} + 67_{\{19\} thp}]$$

$$[98 = 37_{\{12\} thp} + 61_{\{18\} thp}]$$

{4} (種類数_{no=1})_{Tc=23}

$$[34 = 2 \ 17_{\{7\} thp}]$$

$$[34 = 3_{\{2\} thp} + 31_{\{11\} thp}]$$

$$[34 = 5_{\{3\} thp} + 29_{\{10\} thp}]$$

$$[34 = 11_{\{5\} thp} + 23_{\{9\} thp}]$$

{4} (種類数_{no=2})_{Tc=24}

$$[36 = 5_{\{3\} thp} + 31_{\{11\} thp}]$$

$$[36 = 7_{\{4\} thp} + 29_{\{10\} thp}]$$

$$[36 = 13_{\{6\} thp} + 23_{\{9\} thp}]$$

$$[36 = 17_{\{7\} thp} + 19_{\{8\} thp}]$$

{4} (種類数_{no=3})_{Tc=25}

$$[42 = 5_{\{3\} thp} + 37_{\{12\} thp}]$$

$$[42 = 11_{\{5\} thp} + 31_{\{11\} thp}]$$

$$[42 = 13_{\{6\} thp} + 29_{\{10\} thp}]$$

$$[42 = 19_{\{8\} thp} + 23_{\{9\} thp}]$$

{4} (種類数_{no=4})_{Tc=26}

$$[46 = 2 \ 23_{\{9\} thp}]$$

$$[46 = 3_{\{2\} thp} + 43_{\{14\} thp}]$$

$$[46 = 5_{\{3\} thp} + 41_{\{13\} thp}]$$

$$[46 = 17_{\{7\} thp} + 29_{\{10\} thp}]$$

{4} (種類数_{no=5})_{Tc=27}

$$[50 = 3_{\{2\} thp} + 47_{\{15\} thp}]$$

$$[50 = 7_{\{4\} thp} + 43_{\{14\} thp}]$$

$$[50 = 13_{\{6\} thp} + 37_{\{12\} thp}]$$

$$[50 = 19_{\{8\} thp} + 31_{\{11\} thp}]$$

{4} (種類数_{no=6})_{Tc=28}

$$[58 = 2 \cdot 29_{\{10\} thp}]$$

$$[58 = 5_{\{3\} thp} + 53_{\{16\} thp}]$$

$$[58 = 11_{\{5\} thp} + 47_{\{15\} thp}]$$

$$[58 = 17_{\{7\} thp} + 41_{\{13\} thp}]$$

$$\{4\} (\text{種類数}_{no=7})_{Tc=29}$$

$$[80 = 7_{\{4\} thp} + 73_{\{21\} thp}]$$

$$[80 = 13_{\{6\} thp} + 67_{\{19\} thp}]$$

$$[80 = 19_{\{8\} thp} + 61_{\{18\} thp}]$$

$$[80 = 37_{\{12\} thp} + 43_{\{14\} thp}]$$

$$\{4\} (\text{種類数}_{no=8})_{Tc=30}$$

$$[88 = 5_{\{3\} thp} + 83_{\{23\} thp}]$$

$$[88 = 17_{\{7\} thp} + 71_{\{20\} thp}]$$

$$[88 = 29_{\{10\} thp} + 59_{\{17\} thp}]$$

$$[88 = 41_{\{13\} thp} + 47_{\{15\} thp}]$$

$$\{4\} (\text{種類数}_{no=9})_{Tc=31}$$

$$[92 = 3_{\{2\} thp} + 89_{\{24\} thp}]$$

$$[92 = 13_{\{6\} thp} + 79_{\{22\} thp}]$$

$$[92 = 19_{\{8\} thp} + 73_{\{21\} thp}]$$

$$[92 = 31_{\{11\} thp} + 61_{\{18\} thp}]$$

$$\{5\} (\text{種類数}_{no=1})_{Tc=32}$$

$$[48 = 5_{\{3\} thp} + 43_{\{14\} thp}]$$

$$[48 = 7_{\{4\} thp} + 41_{\{13\} thp}]$$

$$[48 = 11_{\{5\} thp} + 37_{\{12\} thp}]$$

$$[48 = 17_{\{7\} thp} + 31_{\{11\} thp}]$$

$$[48 = 19_{\{8\} thp} + 29_{\{10\} thp}]$$

$$\{5\} (\text{種類数}_{no=2})_{Tc=33}$$

$$[54 = 7_{\{4\} thp} + 47_{\{15\} thp}]$$

$$[54 = 11_{\{5\} thp} + 43_{\{14\} thp}]$$

$$[54 = 13_{\{6\} thp} + 41_{\{13\} thp}]$$

$$[54 = 17_{\{7\} thp} + 37_{\{12\} thp}]$$

$$[54 = 23_{\{9\} thp} + 31_{\{11\} thp}]$$

$$\{5\} (\text{種類数}_{no=3})_{Tc=34}$$

$$[64 = 3_{\{2\} thp} + 61_{\{18\} thp}]$$

$$[64 = 5_{\{3\} thp} + 59_{\{17\} thp}]$$

$$[64 = 11_{\{5\} thp} + 53_{\{16\} thp}]$$

$$[64 = 17_{\{7\} thp} + 47_{\{15\} thp}]$$

$$[64 = 23_{\{9\} thp} + 41_{\{13\} thp}]$$

$$\{5\} (\text{種類数}_{no=4})_{Tc=35}$$

$$[70 = 3_{\{2\} thp} + 67_{\{19\} thp}]$$

$$[70 = 11_{\{5\} thp} + 59_{\{17\} thp}]$$

$$[70 = 17_{\{7\} thp} + 53_{\{16\} thp}]$$

$$[70 = 23_{\{9\} thp} + 47_{\{15\} thp}]$$

$$[70 = 29_{\{10\} thp} + 41_{\{13\} thp}]$$

$$\{5\} (\text{種類数}_{no=5})_{Tc=36}$$

$$[74 = 2 \ 37_{\{12\} thp}]$$

$$[74 = 3_{\{2\} thp} + 71_{\{20\} thp}]$$

$$[74 = 7_{\{4\} thp} + 67_{\{19\} thp}]$$

$$[74 = 13_{\{6\} thp} + 61_{\{18\} thp}]$$

$$[74 = 31_{\{11\} thp} + 43_{\{14\} thp}]$$

$$\{5\} (\text{種類数}_{no=6})_{Tc=37}$$

$$[76 = 3_{\{2\} thp} + 73_{\{21\} thp}]$$

$$[76 = 5_{\{3\} thp} + 71_{\{20\} thp}]$$

$$[76 = 17_{\{7\} thp} + 59_{\{17\} thp}]$$

$$[76 = 23_{\{9\} thp} + 53_{\{16\} thp}]$$

$$[76 = 29_{\{10\} thp} + 47_{\{15\} thp}]$$

$$\{5\} (\text{種類数}_{no=7})_{Tc=38}$$

$$[82 = 2 \ 41_{\{13\} thp}]$$

$$[82 = 3_{\{2\} thp} + 79_{\{22\} thp}]$$

$$[82 = 11_{\{5\} thp} + 71_{\{20\} thp}]$$

$$[82 = 23_{\{9\} thp} + 59_{\{17\} thp}]$$

$$[82 = 29_{\{10\} thp} + 53_{\{16\} thp}]$$

$$\{5\} (\text{種類数}_{no=8})_{Tc=39}$$

$$[86 = 2 \ 43_{\{14\} thp}]$$

$$[86 = 3_{\{2\} thp} + 83_{\{23\} thp}]$$

$$[86 = 7_{\{4\} thp} + 79_{\{22\} thp}]$$

$$[86 = 13_{\{6\} thp} + 73_{\{21\} thp}]$$

$$[86 = 19_{\{8\} thp} + 67_{\{19\} thp}]$$

$$\{5\} (\text{種類数}_{no=9})_{Tc=40}$$

$$[94 = 2 \ 47_{\{15\} thp}]$$

$$[94 = 5_{\{3\} thp} + 89_{\{24\} thp}]$$

$$[94 = 11_{\{5\} thp} + 83_{\{23\} thp}]$$

$$[94 = 23_{\{9\} thp} + 71_{\{20\} thp}]$$

$$[94 = 41_{\{13\} thp} + 53_{\{16\} thp}]$$

$$\{6\} (\text{種類数}_{no=1})_{Tc=41}$$

$$[60 = 7_{\{4\} thp} + 53_{\{16\} thp}]$$

$$[60 = 13_{\{6\} thp} + 47_{\{15\} thp}]$$

$$[60 = 17_{\{7\} thp} + 43_{\{14\} thp}]$$

$$[60 = 19_{\{8\} thp} + 41_{\{13\} thp}]$$

$$[60 = 23_{\{9\} thp} + 37_{\{12\} thp}]$$

$$[60 = 29_{\{10\} thp} + 31_{\{11\} thp}]$$

$$\{6\} (\text{種類数}_{no=2})_{Tc=42}$$

$$[66 = 5_{\{3\} thp} + 61_{\{18\} thp}]$$

$$[66 = 7_{\{4\} thp} + 59_{\{17\} thp}]$$

$$[66 = 13_{\{6\} thp} + 53_{\{16\} thp}]$$

$$[66 = 19_{\{8\} thp} + 47_{\{15\} thp}]$$

$$[66 = 23_{\{9\} thp} + 43_{\{14\} thp}]$$

$$[66 = 29_{\{10\} thp} + 37_{\{12\} thp}]$$

$$\{6\} (\text{種類数}_{no=3})_{Tc=43}$$

$$[72 = 5_{\{3\} thp} + 67_{\{19\} thp}]$$

$$[72 = 11_{\{5\} thp} + 61_{\{18\} thp}]$$

$$[72 = 13_{\{6\} thp} + 59_{\{17\} thp}]$$

$$[72 = 19_{\{8\} thp} + 53_{\{16\} thp}]$$

$$[72 = 29_{\{10\} thp} + 43_{\{14\} thp}]$$

$$[72 = 31_{\{11\} thp} + 41_{\{13\} thp}]$$

$$\{6\} (\text{種類数}_{no=4})_{Tc=44}$$

$$[100 = 3_{\{2\} thp} + 97_{\{25\} thp}]$$

$$[100 = 11_{\{5\} thp} + 89_{\{24\} thp}]$$

$$[100 = 17_{\{7\} thp} + 83_{\{23\} thp}]$$

$$[100 = 29_{\{10\} thp} + 71_{\{20\} thp}]$$

$$[100 = 41_{\{13\} thp} + 59_{\{17\} thp}]$$

$$[100 = 47_{\{15\} thp} + 53_{\{16\} thp}]$$

$$\{7\} (\text{種類数}_{no=1})_{Tc=45}$$

$$[78 = 5_{\{3\} thp} + 73_{\{21\} thp}]$$

$$[78 = 7_{\{4\} thp} + 71_{\{20\} thp}]$$

$$[78 = 11_{\{5\} thp} + 67_{\{19\} thp}]$$

$$[78 = 17_{\{7\} thp} + 61_{\{18\} thp}]$$

$$[78 = 19_{\{8\} thp} + 59_{\{17\} thp}]$$

$$[78 = 31_{\{11\} thp} + 47_{\{15\} thp}]$$

$$[78 = 37_{\{12\} thp} + 41_{\{13\} thp}]$$

{7} (種類数_{no=2})_{Tc=46}

$$[96 = 7_{\{4\} thp} + 89_{\{24\} thp}]$$

$$[96 = 13_{\{6\} thp} + 83_{\{23\} thp}]$$

$$[96 = 17_{\{7\} thp} + 79_{\{22\} thp}]$$

$$[96 = 23_{\{9\} thp} + 73_{\{21\} thp}]$$

$$[96 = 29_{\{10\} thp} + 67_{\{19\} thp}]$$

$$[96 = 37_{\{12\} thp} + 59_{\{17\} thp}]$$

$$[96 = 43_{\{14\} thp} + 53_{\{16\} thp}]$$

{8} (種類数_{no=1})_{Tc=47}

$$[84 = 5_{\{3\} thp} + 79_{\{22\} thp}]$$

$$[84 = 11_{\{5\} thp} + 73_{\{21\} thp}]$$

$$[84 = 13_{\{6\} thp} + 71_{\{20\} thp}]$$

$$[84 = 17_{\{7\} thp} + 67_{\{19\} thp}]$$

$$[84 = 23_{\{9\} thp} + 61_{\{18\} thp}]$$

$$[84 = 31_{\{11\} thp} + 53_{\{16\} thp}]$$

$$[84 = 37_{\{12\} thp} + 47_{\{15\} thp}]$$

$$[84 = 41_{\{13\} thp} + 43_{\{14\} thp}]$$

{9} (種類数_{no=1})_{Tc=48}

$$[90 = 7_{\{4\} thp} + 83_{\{23\} thp}]$$

$$[90 = 11_{\{5\} thp} + 79_{\{22\} thp}]$$

$$[90 = 17_{\{7\} thp} + 73_{\{21\} thp}]$$

$$[90 = 19_{\{8\} thp} + 71_{\{20\} thp}]$$

$$[90 = 23_{\{9\} thp} + 67_{\{19\} thp}]$$

$$[90 = 29_{\{10\} thp} + 61_{\{18\} thp}]$$

$$[90 = 31_{\{11\} thp} + 59_{\{17\} thp}]$$

$$[90 = 37_{\{12\} thp} + 53_{\{16\} thp}]$$

$$[90 = 43_{\{14\} thp} + 47_{\{15\} thp}]$$

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