

"-----END 2 from 10-----"

"-----START 3 from 10-----"

input selected: (48, 47, 44, 42, 42, 39, 37, 37, 33, 32, 31, 30, 25, 25, 22, 20, 19, 18, 18, 17, 12, 10, 10, 9, 8, 7, 6, 5, 2, 1) size 30 sum 696

perfectSplit 79.6 pMax 49 pigeonholePrinciple 18

#####bestSolutionFound just got replaced "Target function=82 Number of Machines=10 . Content:

<48,17,7>,<47,18,6,1>,<44,19,9>,<42,20,10>,<42,18,12>,<39,22,10>,<37,25,8,2>,<37,25,5>,<33,30>,<32,31>" #####

#####bestSolutionFound just got replaced "Target function=81 Number of Machines=10 . Content:

<48,22,1>,<47,20,2>,<44,25>,<42,25>,<42,19,9>,<39,31>,<37,33>,<37,32>,<30,18,18,5>,<17,12,10,10,8,7,6>" #####

#####bestSolutionFound just got replaced "Target function=80 Number of Machines=10 . Content:

<48,22>,<47,18,5>,<44,25,1>,<42,25,2>,<42,20,8>,<39,31>,<37,33>,<37,32>,<30,19,12,9>,<18,17,10,10,7,6>" #####

BEST FOUND: "Target function=80 Number of Machines=10 . Content:

<48,22>,<47,18,5>,<44,25,1>,<42,25,2>,<42,20,8>,<39,31>,<37,33>,<37,32>,<30,19,12,9>,<18,17,10,10,7,6>"

nodes seen: 40322 . run time: 0.713 seconds

"-----END 3 from 10-----"

"-----START 4 from 10-----"

input selected: (730, 620, 600, 525, 510, 490, 425, 415, 335, 330, 325, 320, 310, 310, 290, 270, 210, 190, 190, 170, 150, 140, 120, 110, 90, 90,

90, 80, 50, 10) size 30 sum 8495

perfectSplit 859.5 pMax 731 pigeonholePrinciple 150

#####bestSolutionFound just got replaced "Target function=880 Number of Machines=10 . Content:

<730,120,10>,<620,190,50>,<600,190,80>,<525,210,110>,<510,270,90>,<490,290,90>,<425,310,90>,<415,310,140>,<335,330,150>,<325,320,170>" #####

#####bestSolutionFound just got replaced "Target function=875 Number of Machines=10 . Content:

<730,120,10>,<620,210>,<600,170,90>,<525,335>,<510,330>,<490,325,50>,<425,415>,<320,310,190>,<310,290,150,110>,<270,190,140,90,90,80>" #####

#####bestSolutionFound just got replaced "Target function=870 Number of Machines=10 . Content:

<730,80,50>,<620,210,10>,<600,170,90>,<525,335>,<510,330>,<490,325>,<425,415>,<320,310,140,90>,<310,290,150,110>,<270,190,190,120,90>" #####

1000000 nodes so far ; active 19 ; deleted 999981

2000000 nodes so far ; active 27 ; deleted 1999973

3000000 nodes so far ; active 23 ; deleted 2999977

4000000 nodes so far ; active 26 ; deleted 3999974

5000000 nodes so far ; active 27 ; deleted 4999973

6000000 nodes so far ; active 26 ; deleted 5999974

7000000 nodes so far ; active 26 ; deleted 6999974
8000000 nodes so far ; active 26 ; deleted 7999974
9000000 nodes so far ; active 25 ; deleted 8999975
10000000 nodes so far ; active 27 ; deleted 9999973
11000000 nodes so far ; active 26 ; deleted 10999974
12000000 nodes so far ; active 27 ; deleted 11999973
13000000 nodes so far ; active 26 ; deleted 12999974
14000000 nodes so far ; active 27 ; deleted 13999973
15000000 nodes so far ; active 28 ; deleted 14999972
16000000 nodes so far ; active 26 ; deleted 15999974
17000000 nodes so far ; active 27 ; deleted 16999973
18000000 nodes so far ; active 26 ; deleted 17999974
19000000 nodes so far ; active 26 ; deleted 18999974
#####bestSolutionFound just got replaced "Target function=865 Number of Machines=10 . Content:
<730,120>,<620,140,90>,<600,170,80>,<525,330>,<510,335,10>,<490,310,50>,<425,415>,<325,320,210>,<310,290,150,90>,<270,190,190,1
10,90>" #####
20000000 nodes so far ; active 26 ; deleted 19999974
21000000 nodes so far ; active 26 ; deleted 20999974
22000000 nodes so far ; active 25 ; deleted 21999975
23000000 nodes so far ; active 25 ; deleted 22999975
24000000 nodes so far ; active 26 ; deleted 23999974
25000000 nodes so far ; active 25 ; deleted 24999975
26000000 nodes so far ; active 25 ; deleted 25999975
27000000 nodes so far ; active 23 ; deleted 26999977
28000000 nodes so far ; active 27 ; deleted 27999973
29000000 nodes so far ; active 26 ; deleted 28999974
30000000 nodes so far ; active 27 ; deleted 29999973
31000000 nodes so far ; active 27 ; deleted 30999973
32000000 nodes so far ; active 25 ; deleted 31999975
33000000 nodes so far ; active 27 ; deleted 32999973
34000000 nodes so far ; active 25 ; deleted 33999975
35000000 nodes so far ; active 22 ; deleted 34999978

36000000 nodes so far ; active 24 ; deleted 35999976
37000000 nodes so far ; active 22 ; deleted 36999978
38000000 nodes so far ; active 24 ; deleted 37999976
39000000 nodes so far ; active 25 ; deleted 38999975
40000000 nodes so far ; active 26 ; deleted 39999974
41000000 nodes so far ; active 26 ; deleted 40999974
42000000 nodes so far ; active 25 ; deleted 41999975
43000000 nodes so far ; active 23 ; deleted 42999977
44000000 nodes so far ; active 27 ; deleted 43999973
45000000 nodes so far ; active 25 ; deleted 44999975
46000000 nodes so far ; active 28 ; deleted 45999972
47000000 nodes so far ; active 26 ; deleted 46999974
48000000 nodes so far ; active 26 ; deleted 47999974
49000000 nodes so far ; active 27 ; deleted 48999973
50000000 nodes so far ; active 27 ; deleted 49999973
51000000 nodes so far ; active 26 ; deleted 50999974
52000000 nodes so far ; active 27 ; deleted 51999973
53000000 nodes so far ; active 26 ; deleted 52999974
54000000 nodes so far ; active 27 ; deleted 53999973
55000000 nodes so far ; active 26 ; deleted 54999974
56000000 nodes so far ; active 21 ; deleted 55999979
57000000 nodes so far ; active 27 ; deleted 56999973
58000000 nodes so far ; active 27 ; deleted 57999973
59000000 nodes so far ; active 25 ; deleted 58999975
60000000 nodes so far ; active 25 ; deleted 59999975
61000000 nodes so far ; active 25 ; deleted 60999975
62000000 nodes so far ; active 26 ; deleted 61999974
63000000 nodes so far ; active 24 ; deleted 62999976
64000000 nodes so far ; active 27 ; deleted 63999973
65000000 nodes so far ; active 24 ; deleted 64999976
66000000 nodes so far ; active 25 ; deleted 65999975
67000000 nodes so far ; active 26 ; deleted 66999974

68000000 nodes so far ; active 28 ; deleted 67999972
69000000 nodes so far ; active 25 ; deleted 68999975
70000000 nodes so far ; active 26 ; deleted 69999974
71000000 nodes so far ; active 27 ; deleted 70999973
72000000 nodes so far ; active 27 ; deleted 71999973
73000000 nodes so far ; active 27 ; deleted 72999973
74000000 nodes so far ; active 27 ; deleted 73999973
75000000 nodes so far ; active 24 ; deleted 74999976
76000000 nodes so far ; active 26 ; deleted 75999974
77000000 nodes so far ; active 25 ; deleted 76999975
78000000 nodes so far ; active 21 ; deleted 77999979
79000000 nodes so far ; active 27 ; deleted 78999973
80000000 nodes so far ; active 26 ; deleted 79999974
81000000 nodes so far ; active 26 ; deleted 80999974
82000000 nodes so far ; active 26 ; deleted 81999974
83000000 nodes so far ; active 25 ; deleted 82999975
84000000 nodes so far ; active 27 ; deleted 83999973
85000000 nodes so far ; active 25 ; deleted 84999975
86000000 nodes so far ; active 25 ; deleted 85999975
87000000 nodes so far ; active 25 ; deleted 86999975
88000000 nodes so far ; active 27 ; deleted 87999973
89000000 nodes so far ; active 25 ; deleted 88999975
90000000 nodes so far ; active 26 ; deleted 89999974
91000000 nodes so far ; active 25 ; deleted 90999975
92000000 nodes so far ; active 26 ; deleted 91999974
93000000 nodes so far ; active 27 ; deleted 92999973
94000000 nodes so far ; active 26 ; deleted 93999974
95000000 nodes so far ; active 26 ; deleted 94999974
96000000 nodes so far ; active 26 ; deleted 95999974
97000000 nodes so far ; active 27 ; deleted 96999973
98000000 nodes so far ; active 25 ; deleted 97999975
99000000 nodes so far ; active 22 ; deleted 98999978

[illegible]

perfectSplit 13.6 pMax 2 pigeonholePrinciple 14

#####bestSolutionFound just got replaced "Target function=14 Number of Machines=10 . Content:

<1,1,1,1>,<1,1,1,1>,<1,1,1,1>,<1,1,1,1>,<1,1,1,1>,<1,1,1,1>,<1,1,1>,<1,1,1>,<1,1,1>,<1,1,1>" #####

"CUTOFF was made on ROOT. job on hand: <1>. lower bound=14 is bigger or equal than best solution so far=14"

"-----END 6 from 10-----"

"-----START 7 from 10-----"

input selected: (2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1) size 40 sum 64

perfectSplit 16.4 pMax 3 pigeonholePrinciple 14

#####bestSolutionFound just got replaced "Target function=17 Number of Machines=10 . Content:

<2,2,2,1>,<2,2,2,1>,<2,2,2,1>,<2,2,2,1>,<2,2,1,1>,<2,2,1,1>,<2,2,1,1>,<2,2,1,1>,<2,2,1,1>,<2,2,1,1>" #####

"CUTOFF was made on ROOT. job on hand: <2>. lower bound=17 is bigger or equal than best solution so far=17"

"-----END 7 from 10-----"

"-----START 8 from 10-----"

input selected: (3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1) size 36 sum 81

perfectSplit 18.1 pMax 4 pigeonholePrinciple 14

#####bestSolutionFound just got replaced "Target function=19 Number of Machines=10 . Content:

<3,3,2,1>,<3,3,2>,<3,3,2>,<3,3,2>,<3,3,2>,<3,3,1,1>,<3,3,1,1>,<3,3,1,1>,<3,2,2,1>,<3,2,2,1>" #####

"CUTOFF was made on ROOT. job on hand: <3>. lower bound=19 is bigger or equal than best solution so far=19"

"-----END 8 from 10-----"

"-----START 9 from 10-----"

input selected: (100, 90, 80, 70, 60, 50, 40, 30, 20, 10, 5, 5, 5, 5, 5, 4, 4, 4, 4, 4, 3, 3, 3, 3, 3, 2, 2, 2, 2, 2, 1, 1, 1, 1, 1, 1) size 35 sum 625

perfectSplit 72.5 pMax 101 pigeonholePrinciple 14

#####bestSolutionFound just got replaced "Target function=110 Number of Machines=10 . Content:

<100>,<90,10>,<80,20>,<70,30>,<60,40>,<50,5,5,5,5,5,4,4,4,4,3,2>,<3,3,3,3,2,2,2,1,1,1,1,1>,<>,<>,<>" #####

"CUTOFF was made on ROOT. job on hand: <100>. lower bound=110 is bigger or equal than best solution so far=110"

"-----END 9 from 10-----"

"-----START 10 from 10-----"

input selected: (100, 90, 80, 70, 60, 50, 40, 30, 20, 10, 5, 5, 5, 5, 5, 4, 4, 4, 4, 4, 3, 3, 3, 3, 3, 2, 2, 2, 2, 2, 1, 1, 1, 1, 1, 1) size 35 sum 625

perfectSplit 72.5 pMax 101 pigeonholePrinciple 14

#####bestSolutionFound just got replaced "Target function=110 Number of Machines=10 . Content:

<100>,<90,10>,<80,20>,<70,30>,<60,40>,<50,5,5,5,5,5,4,4,4,4,3,2>,<3,3,3,3,2,2,2,1,1,1,1,1>,<>,<>,<>" #####

"CUTOFF was made on ROOT. job on hand: <100>. lower bound=110 is bigger or equal than best solution so far=110"

"-----END 10 from 10-----"