$ClassName: \ Class_04.2bp-46$

BinSize: $\underline{100 \times 100}$ ReduceSize: $\underline{100 \times 100}$

TypeNum: <u>97</u> Num: <u>100</u> OutS: <u>30000</u> InS: <u>29445</u> Rate: <u>0.982</u>

UB: <u>3</u> LB0: <u>3</u> LB: **3**

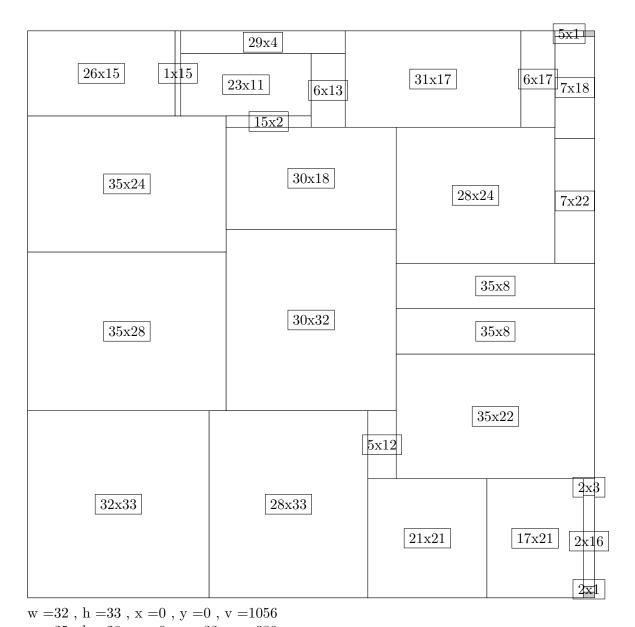
LBWithCut: $\underline{\mathbf{3}}$ NodeCut: $\underline{\mathbf{0}}$

ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{3}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: $\underline{\mathbf{true}}$

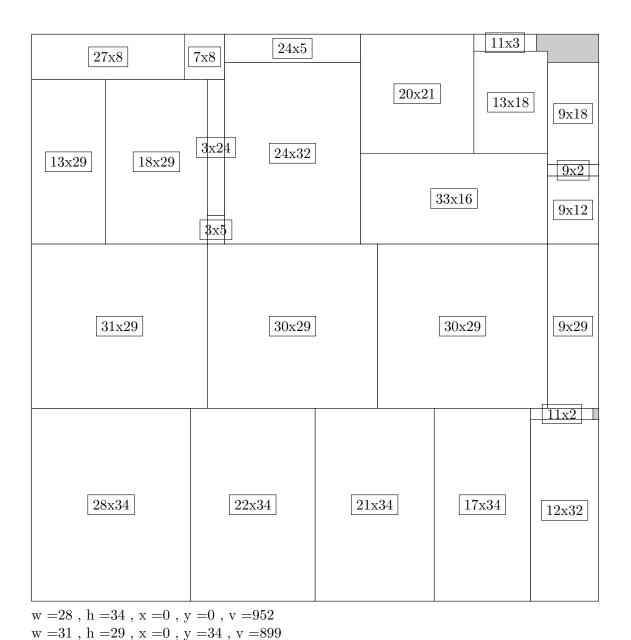
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.710 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.835 \ s} \end{array}$



$$\begin{array}{l} w = & 35 \;, \; h = & 28 \;, \; x = & 0 \;, \; y = & 33 \;, \; v = & 980 \\ w = & 30 \;, \; h = & 32 \;, \; x = & 35 \;, \; y = & 33 \;, \; v = & 960 \\ w = & 28 \;, \; h = & 33 \;, \; x = & 32 \;, \; y = & 0 \;, \; v = & 924 \\ w = & 35 \;, \; h = & 24 \;, \; x = & 0 \;, \; y = & 61 \;, \; v = & 840 \\ w = & 35 \;, \; h = & 22 \;, \; x = & 65 \;, \; y = & 21 \;, \; v = & 770 \\ w = & 28 \;, \; h = & 24 \;, \; x = & 65 \;, \; y = & 59 \;, \; v = & 672 \\ w = & 30 \;, \; h = & 18 \;, \; x = & 35 \;, \; y = & 65 \;, \; v = & 540 \\ w = & 31 \;, \; h = & 17 \;, \; x = & 56 \;, \; y = & 83 \;, \; v = & 527 \\ w = & 21 \;, \; h = & 21 \;, \; x = & 60 \;, \; y = & 0 \;, \; v = & 441 \\ w = & 26 \;, \; h = & 15 \;, \; x = & 0 \;, \; y = & 85 \;, \; v = & 390 \\ w = & 17 \;, \; h = & 21 \;, \; x = & 81 \;, \; y = & 0 \;, \; v = & 253 \\ w = & 23 \;, \; h = & 11 \;, \; x = & 27 \;, \; y = & 85 \;, \; v = & 253 \\ w = & 35 \;, \; h = & 8 \;, \; x = & 65 \;, \; y = & 51 \;, \; v = & 280 \\ w = & 35 \;, \; h = & 8 \;, \; x = & 65 \;, \; y = & 51 \;, \; v = & 280 \\ \end{array}$$

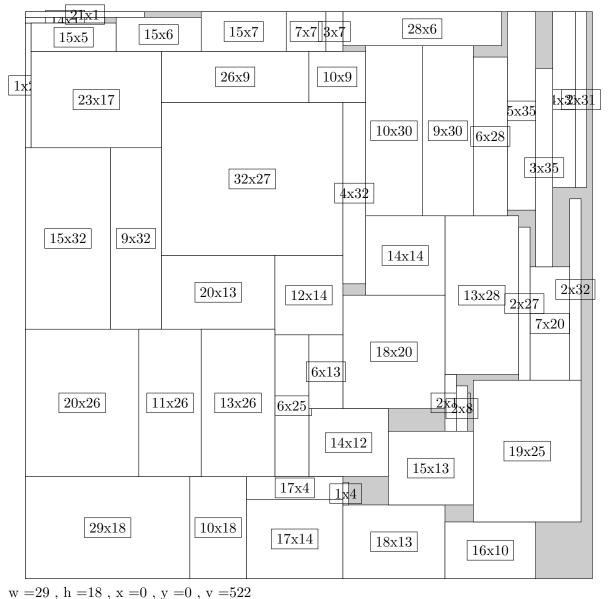
w = 7, h = 22, x = 93, y = 59, v = 154

 $\begin{array}{l} w=7\ ,\ h=18\ ,\ x=93\ ,\ y=81\ ,\ v=126\\ w=29\ ,\ h=4\ ,\ x=27\ ,\ y=96\ ,\ v=116\\ w=6\ ,\ h=17\ ,\ x=87\ ,\ y=83\ ,\ v=102\\ w=2\ ,\ h=3\ ,\ x=98\ ,\ y=18\ ,\ v=6\\ w=6\ ,\ h=13\ ,\ x=50\ ,\ y=83\ ,\ v=78\\ w=5\ ,\ h=12\ ,\ x=60\ ,\ y=21\ ,\ v=60\\ w=2\ ,\ h=16\ ,\ x=98\ ,\ y=2\ ,\ v=32\\ w=15\ ,\ h=2\ ,\ x=35\ ,\ y=83\ ,\ v=30\\ w=1\ ,\ h=15\ ,\ x=26\ ,\ y=85\ ,\ v=15\\ w=5\ ,\ h=1\ ,\ x=93\ ,\ y=99\ ,\ v=5\\ w=2\ ,\ h=1\ ,\ x=98\ ,\ y=1\ ,\ v=2\\ \end{array}$



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\begin{array}{l} w = & 30 \;, \; h = & 29 \;, \; x = & 31 \;, \; y = & 34 \;, \; v = & 870 \\ w = & 30 \;, \; h = & 29 \;, \; x = & 61 \;, \; y = & 34 \;, \; v = & 870 \\ w = & 13 \;, \; h = & 29 \;, \; x = & 0 \;, \; y = & 63 \;, \; v = & 377 \\ w = & 24 \;, \; h = & 32 \;, \; x = & 34 \;, \; y = & 63 \;, \; v = & 768 \\ w = & 22 \;, \; h = & 34 \;, \; x = & 28 \;, \; y = & 0 \;, \; v = & 748 \\ w = & 21 \;, \; h = & 34 \;, \; x = & 50 \;, \; y = & 0 \;, \; v = & 714 \\ w = & 17 \;, \; h = & 34 \;, \; x = & 71 \;, \; y = & 0 \;, \; v = & 578 \\ w = & 33 \;, \; h = & 16 \;, \; x = & 58 \;, \; y = & 63 \;, \; v = & 528 \\ w = & 18 \;, \; h = & 29 \;, \; x = & 13 \;, \; y = & 63 \;, \; v = & 522 \\ w = & 20 \;, \; h = & 21 \;, \; x = & 58 \;, \; y = & 79 \;, \; v = & 420 \\ w = & 12 \;, \; h = & 32 \;, \; x = & 88 \;, \; y = & 0 \;, \; v = & 384 \\ w = & 9 \;, \; h = & 29 \;, \; x = & 91 \;, \; y = & 34 \;, \; v = & 261 \\ \end{array}
```

w =13, h =18, x =78, y =79, v =234 w =27, h =8, x =0, y =92, v =216 $\begin{array}{l} w=9\ ,\ h=18\ ,\ x=91\ ,\ y=77\ ,\ v=162\\ w=24\ ,\ h=5\ ,\ x=34\ ,\ y=95\ ,\ v=120\\ w=9\ ,\ h=12\ ,\ x=91\ ,\ y=63\ ,\ v=108\\ w=7\ ,\ h=8\ ,\ x=27\ ,\ y=92\ ,\ v=56\\ w=3\ ,\ h=24\ ,\ x=31\ ,\ y=68\ ,\ v=72\\ w=11\ ,\ h=3\ ,\ x=78\ ,\ y=97\ ,\ v=33\\ w=11\ ,\ h=2\ ,\ x=88\ ,\ y=32\ ,\ v=22\\ w=9\ ,\ h=2\ ,\ x=91\ ,\ y=75\ ,\ v=18\\ w=3\ ,\ h=5\ ,\ x=31\ ,\ y=63\ ,\ v=15\\ \end{array}$



```
\begin{array}{l} w=29\;,\; h=16\;,\; x=0\;,\; y=0\;,\; v=522\\ w=20\;,\; h=26\;,\; x=0\;,\; y=18\;,\; v=520\\ w=15\;,\; h=32\;,\; x=0\;,\; y=44\;,\; v=480\\ w=1\;,\; h=22\;,\; x=0\;,\; y=76\;,\; v=22\\ w=23\;,\; h=17\;,\; x=1\;,\; y=76\;,\; v=391\\ w=32\;,\; h=27\;,\; x=24\;,\; y=57\;,\; v=864\\ w=13\;,\; h=28\;,\; x=74\;,\; y=36\;,\; v=364\\ w=18\;,\; h=20\;,\; x=56\;,\; y=30\;,\; v=360\\ w=10\;,\; h=30\;,\; x=60\;,\; y=64\;,\; v=300\\ w=14\;,\; h=1\;,\; x=0\;,\; y=98\;,\; v=14\\ w=9\;,\; h=32\;,\; x=15\;,\; y=44\;,\; v=288\\ w=11\;,\; h=26\;,\; x=20\;,\; y=18\;,\; v=286\\ w=17\;,\; h=14\;,\; x=39\;,\; y=0\;,\; v=238\\ w=5\;,\; h=35\;,\; x=85\;,\; y=65\;,\; v=175\\ w=9\;,\; h=30\;,\; x=70\;,\; y=64\;,\; v=270\\ w=20\;,\; h=13\;,\; x=24\;,\; y=44\;,\; v=260\\ \end{array}
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w = 26, h = 9, x = 24, y = 84, v = 234
w = 18, h = 13, x = 56, y = 0, v = 234
w = 14, h = 14, x = 60, y = 50, v = 196
w = 15, h = 13, x = 64, y = 13, v = 195
w = 10, h = 18, x = 29, y = 0, v = 180
w = 28, h = 6, x = 56, y = 94, v = 168
w = 14, h = 12, x = 50, y = 18, v = 168
w = 12, h = 14, x = 44, y = 43, v = 168
w = 6, h = 28, x = 79, y = 64, v = 168
w = 16, h = 10, x = 74, y = 0, v = 160
w = 6, h = 25, x = 44, y = 18, v = 150
w = 7, h = 20, x = 89, y = 35, v = 140
w = 4, h = 32, x = 56, y = 52, v = 128
w = 4, h = 31, x = 93, y = 69, v = 124
w = 15, h = 7, x = 31, y = 93, v = 105
w = 3, h = 35, x = 90, y = 55, v = 105
w = 10, h = 9, x = 50, y = 84, v = 90
w = 6, h = 13, x = 50, y = 30, v = 78
w = 15, h = 5, x = 1, y = 93, v = 75
w = 7, h = 7, x = 46, y = 93, v = 49
w = 17, h = 4, x = 39, y = 14, v = 68
w = 2, h = 32, x = 96, y = 35, v = 64
w = 2, h = 31, x = 97, y = 69, v = 62
w = 2, h = 27, x = 87, y = 35, v = 54
w = 19, h = 25, x = 79, y = 10, v = 475
w = 21, h = 1, x = 0, y = 99, v = 21
w = 3, h = 7, x = 53, y = 93, v = 21
w = 2, h = 10, x = 74, y = 26, v = 20
w = 2, h = 8, x = 76, y = 26, v = 16
w = 13, h = 26, x = 31, y = 18, v = 338
w = 15, h = 6, x = 16, y = 93, v = 90
w = 1, h = 4, x = 56, y = 13, v = 4
```