$ClassName: \ Class\_04.2bp-49$ 

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

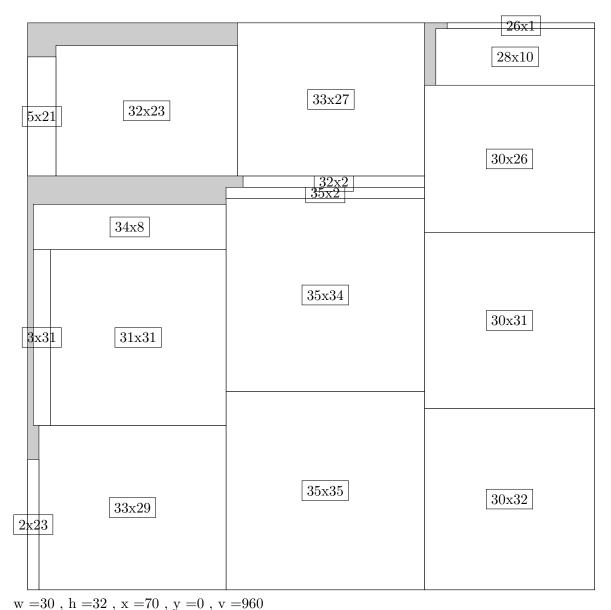
TypeNum: <u>99</u>
Num: <u>100</u>
OutS: <u>40000</u>
InS: <u>37188</u>
Rate: <u>0.930</u>

UB: <u>4</u> LB: <u>4</u>

LBWithCut:  $\underline{\mathbf{4}}$  NodeCount:  $\underline{\mathbf{0}}$  PrimalNode:  $\underline{\mathbf{0}}$  ColumnCount:  $\underline{\mathbf{4}}$  TotalCutCount:  $\underline{\mathbf{0}}$  RootCutCount:  $\underline{\mathbf{0}}$  LPSolverCnt:  $\underline{\mathbf{1}}$  PricingSolverCnt:  $\underline{\mathbf{0}}$  BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

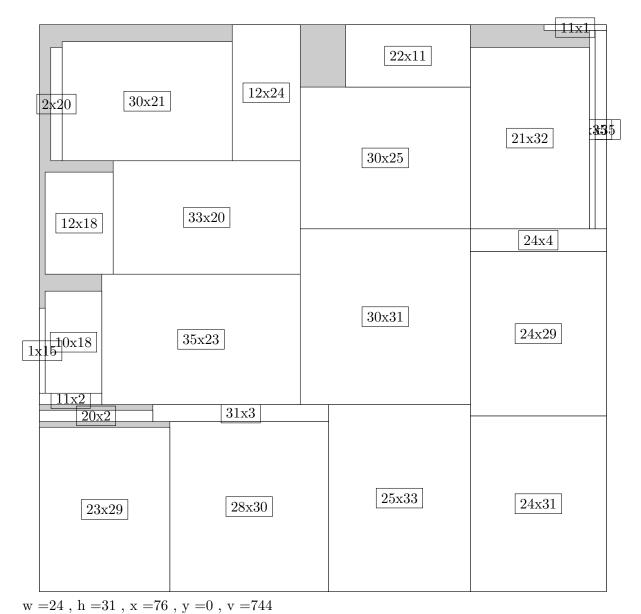
TimeOnPrimal:  $\underline{0.000 \text{ s}}$ TimeOnPricing:  $\underline{0.000 \text{ s}}$ TimeOnRmp:  $\underline{0.063 \text{ s}}$ TotalTime:  $\underline{0.235 \text{ s}}$ 



$$\begin{array}{l} w = & 30 \;, \; h = & 31 \;, \; x = & 70 \;, \; y = & 32 \;, \; v = & 930 \\ w = & 30 \;, \; h = & 26 \;, \; x = & 70 \;, \; y = & 63 \;, \; v = & 780 \\ w = & 28 \;, \; h = & 10 \;, \; x = & 72 \;, \; y = & 89 \;, \; v = & 280 \\ w = & 26 \;, \; h = & 1 \;, \; x = & 74 \;, \; y = & 99 \;, \; v = & 26 \\ w = & 35 \;, \; h = & 35 \;, \; x = & 35 \;, \; y = & 0 \;, \; v = & 1225 \\ w = & 35 \;, \; h = & 34 \;, \; x = & 35 \;, \; y = & 00 \;, \; v = & 1225 \\ w = & 35 \;, \; h = & 2 \;, \; x = & 35 \;, \; y = & 69 \;, \; v = & 70 \\ w = & 35 \;, \; h = & 2 \;, \; x = & 35 \;, \; y = & 69 \;, \; v = & 70 \\ w = & 32 \;, \; h = & 2 \;, \; x = & 38 \;, \; y = & 71 \;, \; v = & 64 \\ w = & 33 \;, \; h = & 29 \;, \; x = & 2 \;, \; y = & 0 \;, \; v = & 957 \\ w = & 2 \;, \; h = & 23 \;, \; x = & 0 \;, \; y = & 0 \;, \; v = & 961 \\ w = & 31 \;, \; h = & 31 \;, \; x = & 4 \;, \; y = & 29 \;, \; v = & 93 \\ w = & 34 \;, \; h = & 8 \;, \; x = & 1 \;, \; y = & 60 \;, \; v = & 272 \\ w = & 33 \;, \; h = & 27 \;, \; x = & 37 \;, \; y = & 73 \;, \; v = & 891 \\ \end{array}$$

w = 32, h = 23, x = 5, y = 73, v = 736

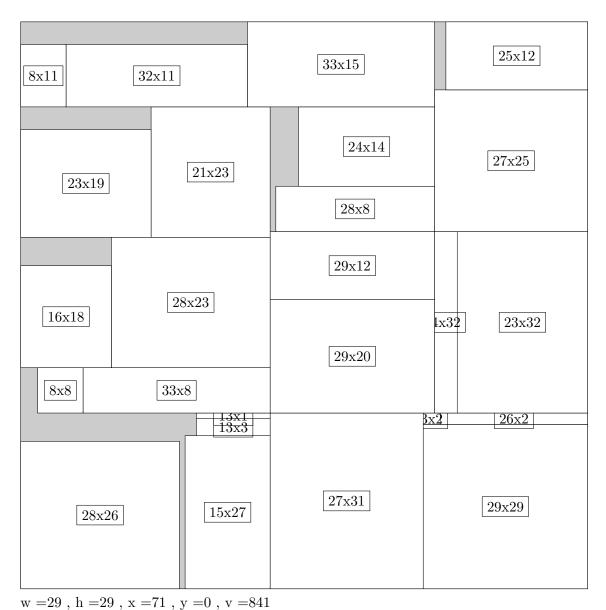
 $\mathbf{w}$  =5 , h =21 , x =0 , y =73 , v =105



$$\begin{array}{l} w = 24 \;, \; h = 29 \;, \; x = 76 \;, \; y = 31 \;, \; v = 696 \\ w = 24 \;, \; h = 4 \;, \; x = 76 \;, \; y = 60 \;, \; v = 96 \\ w = 2 \;, \; h = 35 \;, \; x = 98 \;, \; y = 64 \;, \; v = 70 \\ w = 1 \;, \; h = 35 \;, \; x = 97 \;, \; y = 64 \;, \; v = 35 \\ w = 21 \;, \; h = 32 \;, \; x = 76 \;, \; y = 64 \;, \; v = 672 \\ w = 11 \;, \; h = 1 \;, \; x = 89 \;, \; y = 99 \;, \; v = 11 \\ w = 25 \;, \; h = 33 \;, \; x = 51 \;, \; y = 0 \;, \; v = 825 \\ w = 28 \;, \; h = 30 \;, \; x = 23 \;, \; y = 0 \;, \; v = 840 \\ w = 23 \;, \; h = 29 \;, \; x = 0 \;, \; y = 30 \;, \; v = 93 \\ w = 20 \;, \; h = 2 \;, \; x = 20 \;, \; y = 30 \;, \; v = 93 \\ w = 20 \;, \; h = 2 \;, \; x = 46 \;, \; y = 33 \;, \; v = 930 \\ w = 30 \;, \; h = 25 \;, \; x = 46 \;, \; y = 64 \;, \; v = 750 \\ w = 22 \;, \; h = 11 \;, \; x = 54 \;, \; y = 89 \;, \; v = 242 \\ \end{array}$$

w = 35, h = 23, x = 11, y = 33, v = 805

 $\begin{array}{l} w=11\;,\; h=2\;,\; x=0\;,\; y=33\;,\; v=22\\ w=10\;,\; h=18\;,\; x=1\;,\; y=35\;,\; v=180\\ w=1\;,\; h=15\;,\; x=0\;,\; y=35\;,\; v=15\\ w=33\;,\; h=20\;,\; x=13\;,\; y=56\;,\; v=660\\ w=12\;,\; h=18\;,\; x=1\;,\; y=56\;,\; v=216\\ w=12\;,\; h=24\;,\; x=34\;,\; y=76\;,\; v=288\\ w=30\;,\; h=21\;,\; x=4\;,\; y=76\;,\; v=630\\ w=2\;,\; h=20\;,\; x=2\;,\; y=76\;,\; v=40\\ \end{array}$ 



$$\begin{array}{l} w=26\;,\;h=2\;,\;x=74\;,\;y=29\;,\;v=52\\ w=3\;,\;h=2\;,\;x=71\;,\;y=29\;,\;v=6\\ w=27\;,\;h=31\;,\;x=44\;,\;y=0\;,\;v=837\\ w=15\;,\;h=27\;,\;x=29\;,\;y=0\;,\;v=405\\ w=13\;,\;h=3\;,\;x=31\;,\;y=27\;,\;v=39\\ w=13\;,\;h=1\;,\;x=31\;,\;y=30\;,\;v=13\\ w=28\;,\;h=26\;,\;x=0\;,\;y=0\;,\;v=728\\ w=23\;,\;h=32\;,\;x=77\;,\;y=31\;,\;v=736\\ w=4\;,\;h=32\;,\;x=73\;,\;y=31\;,\;v=128\\ w=27\;,\;h=25\;,\;x=73\;,\;y=31\;,\;v=128\\ w=27\;,\;h=25\;,\;x=73\;,\;y=63\;,\;v=675\\ w=25\;,\;h=12\;,\;x=75\;,\;y=88\;,\;v=300\\ w=29\;,\;h=20\;,\;x=44\;,\;y=31\;,\;v=580\\ w=29\;,\;h=20\;,\;x=44\;,\;y=51\;,\;v=348\\ w=28\;,\;h=8\;,\;x=45\;,\;y=63\;,\;v=224\\ w=24\;,\;h=14\;,\;x=49\;,\;y=71\;,\;v=336\\ \end{array}$$

 $\le =33$  , h=8 , x=11 , y=31 , v=264

w =8 , h =8 , x =3 , y =31 , v =64

 $w=\!28$  ,  $h=\!23$  ,  $x=\!16$  ,  $y=\!39$  ,  $v=\!644$ 

 $\le =16$  , h=18 , x=0 , y=39 , v=288

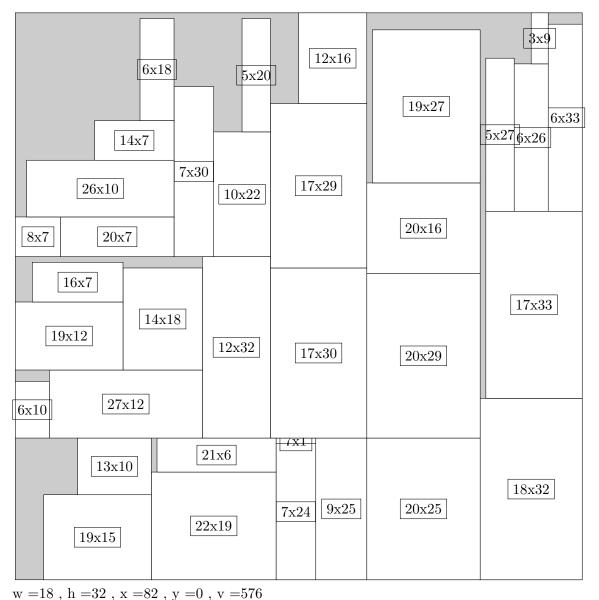
 $\le =21$  , h=23 , x=23 , y=62 , v=483

 $\le =23$  , h =19 , x =0 , y =62 , v =437

 $\le =33$  , h=15 , x=40 , y=85 , v=495

 $\le =32$  , h=11 , x=8 , y=85 , v=352

w =8 , h =11 , x =0 , y =85 , v =88



```
w =10, h =02, x =02, y =0, v =510
w =17, h =33, x =83, y =32, v =561
w =6, h =33, x =94, y =65, v =198
w =6, h =26, x =88, y =65, v =156
w =3, h =9, x =91, y =91, v =27
w =5, h =27, x =83, y =65, v =135
w =20, h =25, x =62, y =0, v =500
w =9, h =25, x =53, y =0, v =225
w =7, h =24, x =46, y =0, v =168
w =7, h =1, x =46, y =24, v =7
w =22, h =19, x =24, y =0, v =418
w =21, h =6, x =25, y =19, v =126
w =19, h =15, x =5, y =0, v =285
w =13, h =10, x =11, y =15, v =130
w =20, h =29, x =62, y =54, v =320
```

```
w = 19, h = 27, x = 63, y = 70, v = 513
w = 17, h = 30, x = 45, y = 25, v = 510
w = 17, h = 29, x = 45, y = 55, v = 493
w = 12, h = 16, x = 50, y = 84, v = 192
w = 12, h = 32, x = 33, y = 25, v = 384
w = 27, h = 12, x = 6, y = 25, v = 324
w = 6, h = 10, x = 0, y = 25, v = 60
w=\!14 , h=\!18 , x=\!19 , y=\!37 , v=\!252
w = 19, h = 12, x = 0, y = 37, v = 228
w = 16, h = 7, x = 3, y = 49, v = 112
w = 10, h = 22, x = 35, y = 57, v = 220
w=\!5 , h=\!20 , x=\!40 , y=\!79 , v=\!100
w =7 , h =30 , x =28 , y =57 , v =210
w = 20, h = 7, x = 8, y = 57, v = 140
w = 8, h = 7, x = 0, y = 57, v = 56
w = 26, h = 10, x = 2, y = 64, v = 260
w = 14, h = 7, x = 14, y = 74, v = 98
\mathbf{w} =6 , h =18 , x =22 , y =81 , v =108
```