$ClassName: \ Class\_04.2bp-41$ 

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

TypeNum:  $\underline{96}$ Num:  $\underline{100}$ OutS:  $\underline{40000}$ InS:  $\underline{33240}$ Rate:  $\underline{0.831}$ 

UB: <u>4</u> LB0: <u>4</u> LB: 4

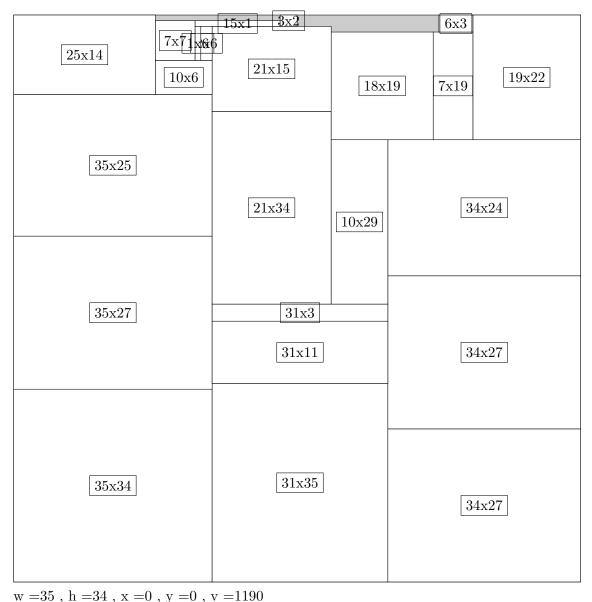
LBWithCut:  $\underline{\mathbf{4}}$  NodeCut:  $\underline{\mathbf{0}}$ 

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

GenNodeCnt:  $\underline{\mathbf{1}}$ 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:  $\underline{0.078 \text{ s}}$ TotalTime:  $\underline{0.141 \text{ s}}$ 



```
w =31, h =35, x =35, y =0, v =1130

w =31, h =35, x =35, y =0, v =1085

w =35, h =27, x =0, y =34, v =945

w =34, h =27, x =66, y =0, v =918

w =34, h =27, x =66, y =27, v =918

w =35, h =25, x =0, y =61, v =875

w =34, h =24, x =66, y =54, v =816

w =21, h =34, x =35, y =49, v =714

w =19, h =22, x =81, y =78, v =418

w =25, h =14, x =0, y =86, v =350

w =18, h =19, x =56, y =78, v =342

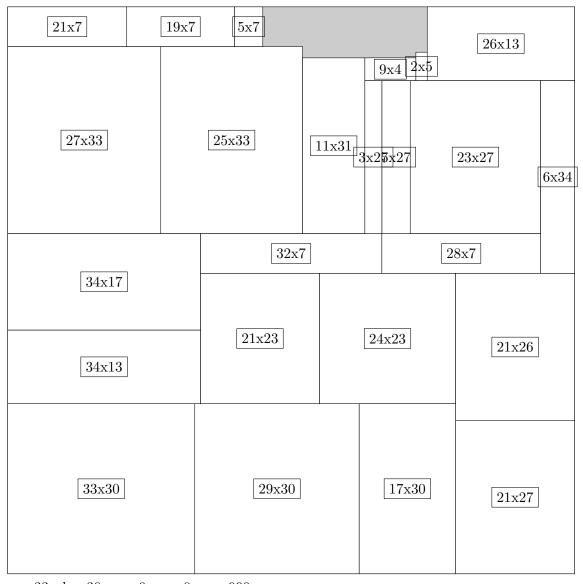
w =31, h =11, x =35, y =35, v =341

w =21, h =29, x =56, y =49, v =290

w =7, h =19, x =74, y =78, v =133

w =31, h =3, x =35, y =46, v =93
```

 $\begin{array}{l} w = & 10 \ , \ h = & 6 \ , \ x = & 25 \ , \ y = & 86 \ , \ v = & 60 \\ w = & 7 \ , \ h = & 7 \ , \ x = & 25 \ , \ y = & 92 \ , \ v = & 49 \\ w = & 6 \ , \ h = & 3 \ , \ x = & 75 \ , \ y = & 97 \ , \ v = & 18 \\ w = & 15 \ , \ h = & 1 \ , \ x = & 32 \ , \ y = & 98 \ , \ v = & 15 \\ w = & 2 \ , \ h = & 6 \ , \ x = & 33 \ , \ y = & 92 \ , \ v = & 12 \\ w = & 3 \ , \ h = & 2 \ , \ x = & 47 \ , \ y = & 98 \ , \ v = & 6 \\ w = & 1 \ , \ h = & 6 \ , \ x = & 32 \ , \ y = & 92 \ , \ v = & 6 \end{array}$ 



```
w =33, h =30, x =0, y =0, v =990
w =27, h =33, x =0, y =60, v =891
```

$$w = 27$$
,  $h = 30$ ,  $x = 0$ ,  $y = 00$ ,  $v = 891$   
 $w = 29$ ,  $h = 30$ ,  $y = 33$ ,  $v = 0$ ,  $v = 870$ 

$$w = 29$$
,  $h = 30$ ,  $x = 33$ ,  $y = 0$ ,  $v = 870$ 

$$w = 25$$
,  $h = 33$ ,  $x = 27$ ,  $y = 60$ ,  $v = 825$ 

$$w = 23$$
,  $h = 27$ ,  $x = 71$ ,  $y = 60$ ,  $v = 621$   
 $w = 21$ ,  $h = 27$ ,  $x = 79$ ,  $y = 0$ ,  $v = 567$ 

$$w = 24$$
,  $h = 23$ ,  $x = 55$ ,  $y = 30$ ,  $v = 552$ 

$$w = 21$$
,  $h = 26$ ,  $x = 79$ ,  $y = 27$ ,  $v = 546$ 

$$\le =17$$
 , h =30 , x =62 , y =0 , v =510

$$w = 21$$
,  $h = 23$ ,  $x = 34$ ,  $y = 30$ ,  $v = 483$ 

$$w=34$$
 ,  $h=\!13$  ,  $x=\!0$  ,  $y=\!30$  ,  $v=\!442$ 

$$w = 11$$
,  $h = 31$ ,  $x = 52$ ,  $y = 60$ ,  $v = 341$ 

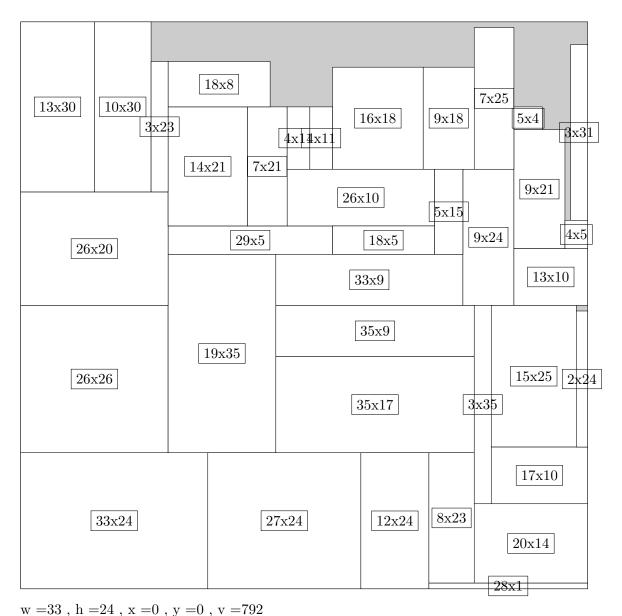
$$w = 26$$
,  $h = 13$ ,  $x = 74$ ,  $y = 87$ ,  $v = 338$ 

$$w = 32$$
,  $h = 7$ ,  $x = 34$ ,  $y = 53$ ,  $v = 224$ 

$$w$$
 =6 , h =34 , x =94 , y =53 , v =204

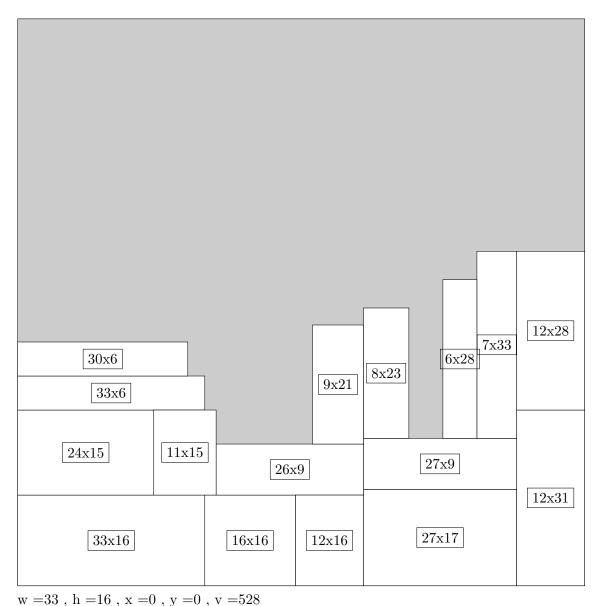
$$\le =28$$
 , h =7 , x =66 , y =53 , v =196

 $\begin{array}{l} w=21\;,\; h=7\;,\; x=0\;,\; y=93\;,\; v=147\\ w=34\;,\; h=17\;,\; x=0\;,\; y=43\;,\; v=578\\ w=5\;,\; h=27\;,\; x=66\;,\; y=60\;,\; v=135\\ w=19\;,\; h=7\;,\; x=21\;,\; y=93\;,\; v=133\\ w=3\;,\; h=27\;,\; x=63\;,\; y=60\;,\; v=81\\ w=9\;,\; h=4\;,\; x=63\;,\; y=87\;,\; v=36\\ w=5\;,\; h=7\;,\; x=40\;,\; y=93\;,\; v=35\\ w=2\;,\; h=5\;,\; x=72\;,\; y=87\;,\; v=10\\ \end{array}$ 



w = 20, h = 14, x = 80, y = 1, v = 280

```
w = 26, h = 10, x = 47, y = 64, v = 260
w = 9, h = 24, x = 78, y = 50, v = 216
w = 9, h = 21, x = 87, y = 60, v = 189
w = 8, h = 23, x = 72, y = 1, v = 184
w = 7, h = 25, x = 80, y = 74, v = 175
w=\!17 , h=\!10 , x=\!83 , y=\!15 , v=\!170
w = 9, h = 18, x = 71, y = 74, v = 162
w=7 , h=\!21 , x=\!40 , y=\!64 , v=\!147
w = 18, h = 8, x = 26, y = 85, v = 144
w = 13, h = 10, x = 87, y = 50, v = 130
w = 3, h = 35, x = 80, y = 15, v = 105
w = 3, h = 31, x = 97, y = 65, v = 93
w = 18, h = 5, x = 55, y = 59, v = 90
w = 5, h = 15, x = 73, y = 59, v = 75
w = 3, h = 23, x = 23, y = 70, v = 69
w = 2, h = 24, x = 98, y = 25, v = 48
w = 4, h = 11, x = 47, y = 74, v = 44
w = 4, h = 11, x = 51, y = 74, v = 44
\mathbf{w} =28 , h =1 , x =72 , y =0 , v =28
w = 5, h = 4, x = 87, y = 81, v = 20
w = 4, h = 5, x = 96, y = 60, v = 20
```



```
\begin{array}{l} w = 27 \;, \; h = 17 \;, \; x = 61 \;, \; y = 0 \;, \; v = 459 \\ w = 12 \;, \; h = 31 \;, \; x = 88 \;, \; y = 0 \;, \; v = 372 \\ w = 24 \;, \; h = 15 \;, \; x = 0 \;, \; y = 16 \;, \; v = 360 \\ w = 12 \;, \; h = 28 \;, \; x = 88 \;, \; y = 31 \;, \; v = 336 \\ w = 16 \;, \; h = 16 \;, \; x = 33 \;, \; y = 0 \;, \; v = 256 \\ w = 27 \;, \; h = 9 \;, \; x = 61 \;, \; y = 17 \;, \; v = 243 \\ w = 26 \;, \; h = 9 \;, \; x = 35 \;, \; y = 16 \;, \; v = 234 \\ w = 7 \;, \; h = 33 \;, \; x = 81 \;, \; y = 26 \;, \; v = 231 \\ w = 33 \;, \; h = 6 \;, \; x = 0 \;, \; y = 31 \;, \; v = 198 \\ w = 12 \;, \; h = 16 \;, \; x = 49 \;, \; y = 0 \;, \; v = 192 \\ w = 9 \;, \; h = 21 \;, \; x = 52 \;, \; y = 25 \;, \; v = 189 \\ w = 8 \;, \; h = 23 \;, \; x = 61 \;, \; y = 26 \;, \; v = 184 \\ w = 30 \;, \; h = 6 \;, \; x = 0 \;, \; y = 37 \;, \; v = 180 \\ w = 6 \;, \; h = 28 \;, \; x = 75 \;, \; y = 26 \;, \; v = 168 \\ w = 11 \;, \; h = 15 \;, \; x = 24 \;, \; y = 16 \;, \; v = 165 \end{array}
```