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

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

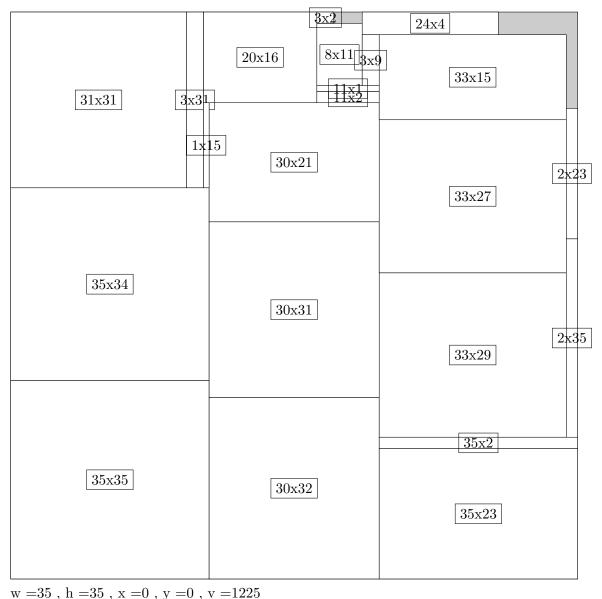
LBWithCut:  $\underline{\mathbf{4}}$  NodeCut:  $\underline{\mathbf{0}}$ 

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.000 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.156 \ s} \end{array}$ 



```
w =35, h =34, x =0, y =35, v =1190

w =31, h =31, x =0, y =69, v =961

w =30, h =32, x =35, y =0, v =960

w =33, h =29, x =65, y =25, v =957

w =30, h =31, x =35, y =32, v =930

w =33, h =27, x =65, y =54, v =891

w =35, h =23, x =65, y =0, v =805

w =30, h =21, x =35, y =63, v =630

w =33, h =15, x =65, y =81, v =495

w =20, h =16, x =34, y =84, v =320

w =24, h =4, x =62, y =96, v =96

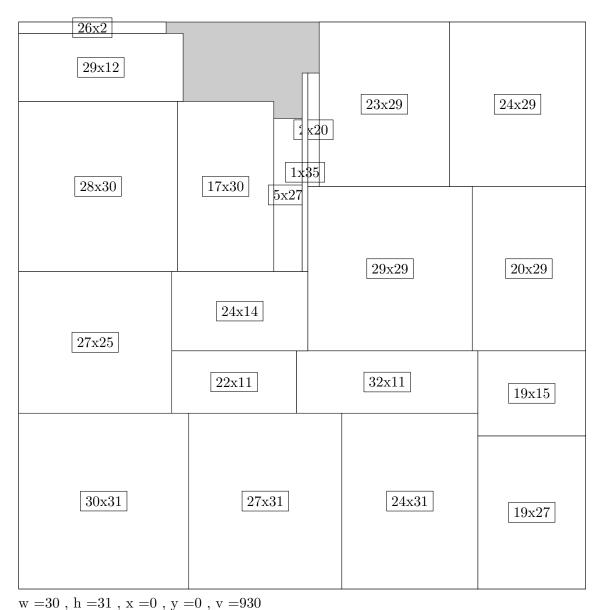
w =3, h =31, x =31, y =69, v =93

w =8, h =11, x =54, y =87, v =88

w =35, h =2, x =65, y =23, v =70

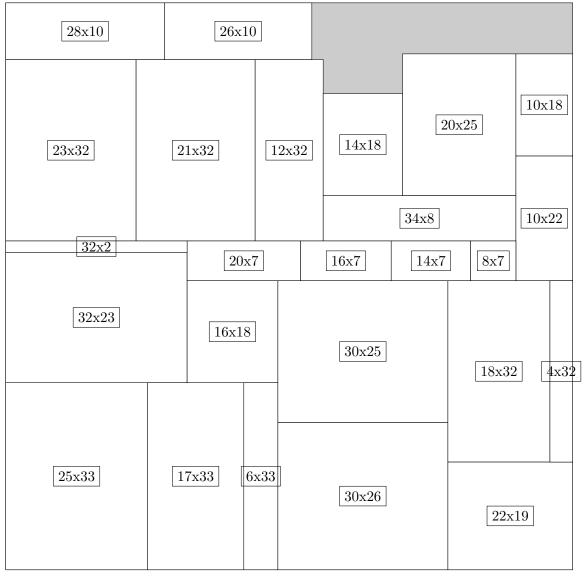
w =2, h =35, x =98, y =25, v =70
```

 $\begin{array}{l} w=2\ ,\, h=23\ ,\, x=98\ ,\, y=60\ ,\, v=46\\ w=3\ ,\, h=9\ ,\, x=62\ ,\, y=87\ ,\, v=27\\ w=11\ ,\, h=2\ ,\, x=54\ ,\, y=84\ ,\, v=22\\ w=1\ ,\, h=15\ ,\, x=34\ ,\, y=69\ ,\, v=15\\ w=11\ ,\, h=1\ ,\, x=54\ ,\, y=86\ ,\, v=11\\ w=3\ ,\, h=2\ ,\, x=54\ ,\, y=98\ ,\, v=6\\ \end{array}$ 



```
\begin{array}{l} w=29\;,\; h=29\;,\; x=51\;,\; y=42\;,\; v=841\\ w=28\;,\; h=30\;,\; x=0\;,\; y=56\;,\; v=840\\ w=27\;,\; h=31\;,\; x=30\;,\; y=0\;,\; v=837\\ w=24\;,\; h=31\;,\; x=57\;,\; y=0\;,\; v=744\\ w=24\;,\; h=29\;,\; x=76\;,\; y=71\;,\; v=696\\ w=27\;,\; h=25\;,\; x=0\;,\; y=31\;,\; v=675\\ w=23\;,\; h=29\;,\; x=53\;,\; y=71\;,\; v=667\\ w=20\;,\; h=29\;,\; x=80\;,\; y=42\;,\; v=580\\ w=19\;,\; h=27\;,\; x=81\;,\; y=0\;,\; v=513\\ w=17\;,\; h=30\;,\; x=28\;,\; y=56\;,\; v=510\\ w=32\;,\; h=11\;,\; x=49\;,\; y=31\;,\; v=352\\ w=29\;,\; h=12\;,\; x=0\;,\; y=86\;,\; v=348\\ w=24\;,\; h=14\;,\; x=27\;,\; y=42\;,\; v=336\\ w=19\;,\; h=15\;,\; x=81\;,\; y=27\;,\; v=285\\ w=22\;,\; h=11\;,\; x=27\;,\; y=31\;,\; v=242\\ \end{array}
```

 $\begin{array}{l} w = 5 \ , \ h = 27 \ , \ x = 45 \ , \ y = 56 \ , \ v = 135 \\ w = 26 \ , \ h = 2 \ , \ x = 0 \ , \ y = 98 \ , \ v = 52 \\ w = 2 \ , \ h = 20 \ , \ x = 51 \ , \ y = 71 \ , \ v = 40 \\ w = 1 \ , \ h = 35 \ , \ x = 50 \ , \ y = 56 \ , \ v = 35 \end{array}$ 



```
w = 25, h = 33, x = 0, y = 0, v = 825
```

$$w=\!30$$
 ,  $h=\!26$  ,  $x=\!48$  ,  $y=\!0$  ,  $v=\!780$ 

$$w = 30$$
,  $h = 25$ ,  $x = 48$ ,  $y = 26$ ,  $v = 750$ 

$$w = 32$$
,  $h = 23$ ,  $x = 0$ ,  $y = 33$ ,  $v = 736$ 

$$w = 23$$
,  $h = 32$ ,  $x = 0$ ,  $y = 58$ ,  $v = 736$ 

$$w = 21$$
,  $h = 32$ ,  $x = 23$ ,  $y = 58$ ,  $v = 672$ 

$$w = 18$$
,  $h = 32$ ,  $x = 78$ ,  $y = 19$ ,  $v = 576$ 

$$w = 17$$
,  $h = 33$ ,  $x = 25$ ,  $y = 0$ ,  $v = 561$ 

$$w = 20$$
,  $h = 25$ ,  $x = 70$ ,  $y = 66$ ,  $v = 500$ 

$$w = 22$$
,  $h = 19$ ,  $x = 78$ ,  $y = 0$ ,  $v = 418$ 

$$w = 12$$
,  $h = 32$ ,  $x = 44$ ,  $y = 58$ ,  $v = 384$ 

$$w = 16$$
,  $h = 18$ ,  $x = 32$ ,  $y = 33$ ,  $v = 288$ 

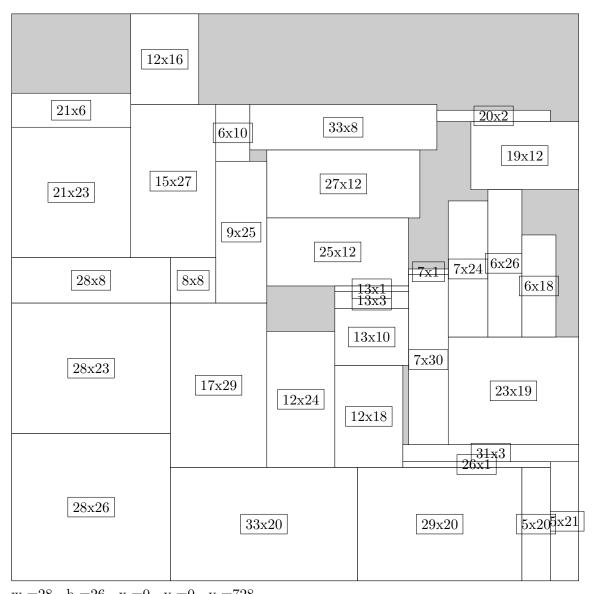
$$w = 28$$
,  $h = 10$ ,  $x = 0$ ,  $y = 90$ ,  $v = 280$ 

$$w = 34$$
,  $h = 8$ ,  $x = 56$ ,  $y = 58$ ,  $v = 272$ 

$$w=\!26$$
 ,  $h=\!10$  ,  $x=\!28$  ,  $y=\!90$  ,  $v=\!260$ 

$$w = 14$$
,  $h = 18$ ,  $x = 56$ ,  $y = 66$ ,  $v = 252$ 

 $\begin{array}{l} w=10\;,\; h=22\;,\; x=90\;,\; y=51\;,\; v=220\\ w=6\;,\; h=33\;,\; x=42\;,\; y=0\;,\; v=198\\ w=10\;,\; h=18\;,\; x=90\;,\; y=73\;,\; v=180\\ w=20\;,\; h=7\;,\; x=32\;,\; y=51\;,\; v=140\\ w=4\;,\; h=32\;,\; x=96\;,\; y=19\;,\; v=128\\ w=16\;,\; h=7\;,\; x=52\;,\; y=51\;,\; v=112\\ w=14\;,\; h=7\;,\; x=68\;,\; y=51\;,\; v=98\\ w=32\;,\; h=2\;,\; x=0\;,\; y=56\;,\; v=64\\ w=8\;,\; h=7\;,\; x=82\;,\; y=51\;,\; v=56\\ \end{array}$ 



```
w = 28, h = 26, x = 0, y = 0, v = 728
w = 33, h = 20, x = 28, y = 0, v = 660
w = 28, h = 23, x = 0, y = 26, v = 644
w = 29, h = 20, x = 61, y = 0, v = 580
w = 17, h = 29, x = 28, y = 20, v = 493
w = 21, h = 23, x = 0, y = 57, v = 483
w = 23, h = 19, x = 77, y = 24, v = 437
w = 15, h = 27, x = 21, y = 57, v = 405
w = 27, h = 12, x = 45, y = 64, v = 324
w = 25, h = 12, x = 45, y = 52, v = 300
w = 12, h = 24, x = 45, y = 20, v = 288
w = 33, h = 8, x = 42, y = 76, v = 264
w = 19, h = 12, x = 81, y = 69, v = 228
w = 9, h = 25, x = 36, y = 49, v = 225
w = 28, h = 8, x = 0, y = 49, v = 224
w = 12, h = 18, x = 57, y = 20, v = 216
```

```
w = 7, h = 30, x = 70, y = 24, v = 210
w = 12, h = 16, x = 21, y = 84, v = 192
w = 7, h = 24, x = 77, y = 43, v = 168
w = 6, h = 26, x = 84, y = 43, v = 156
w = 13, h = 10, x = 57, y = 38, v = 130
w = 21, h = 6, x = 0, y = 80, v = 126
w = 6, h = 18, x = 90, y = 43, v = 108
w =5 , h =21 , x =95 , y =0 , v =105
w = 5, h = 20, x = 90, y = 0, v = 100
w = 31, h = 3, x = 69, y = 21, v = 93
w = 6, h = 10, x = 36, y = 74, v = 60
w = 8, h = 8, x = 28, y = 49, v = 64
w = 20, h = 2, x = 75, y = 81, v = 40
w = 13, h = 3, x = 57, y = 48, v = 39
w = 26, h = 1, x = 69, y = 20, v = 26
w = 13, h = 1, x = 57, y = 51, v = 13
w = 7, h = 1, x = 70, y = 54, v = 7
```