$ClassName: \ Class_04.2bp-45$

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

TypeNum: $\underline{99}$ Num: $\underline{100}$ OutS: $\underline{40000}$ InS: $\underline{36761}$ Rate: $\underline{0.919}$

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

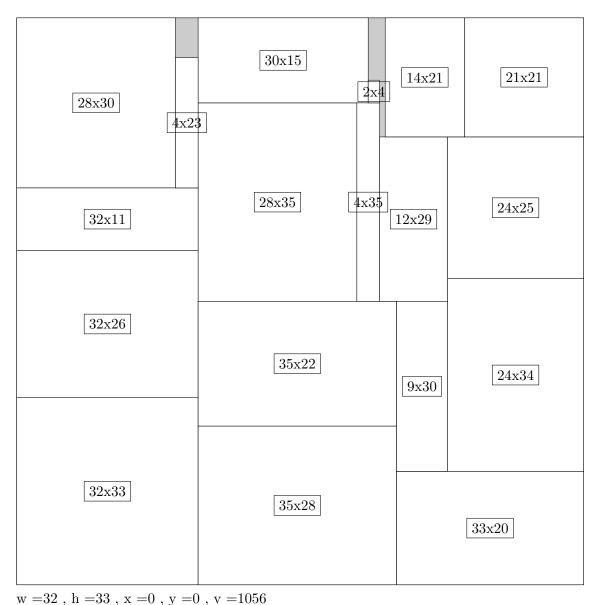
LBWithCut: $\underline{\mathbf{4}}$ NodeCut: $\underline{\mathbf{0}}$

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

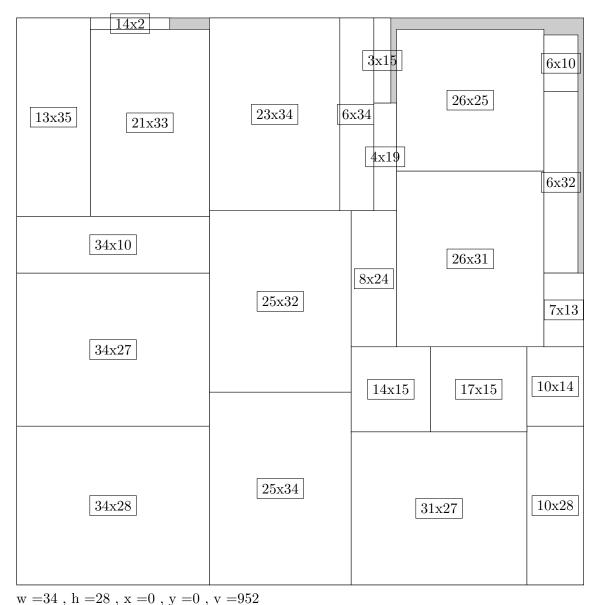
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{4}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.010 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.135 \ s} \end{array}$



 $\begin{array}{l} w = \! 4 \ , \ h = \! 23 \ , \ x = \! 28 \ , \ y = \! 70 \ , \ v = \! 92 \\ w = \! 2 \ , \ h = \! 4 \ , \ x = \! 62 \ , \ y = \! 85 \ , \ v = \! 8 \end{array}$



```
w =34, h =27, x =0, y =28, v =918

w =25, h =34, x =34, y =0, v =850

w =31, h =27, x =59, y =0, v =837

w =26, h =31, x =67, y =42, v =806

w =25, h =32, x =34, y =34, v =800

w =23, h =34, x =34, y =66, v =782

w =21, h =33, x =13, y =65, v =693

w =26, h =25, x =67, y =73, v =650

w =13, h =35, x =0, y =65, v =455

w =34, h =10, x =0, y =55, v =340

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

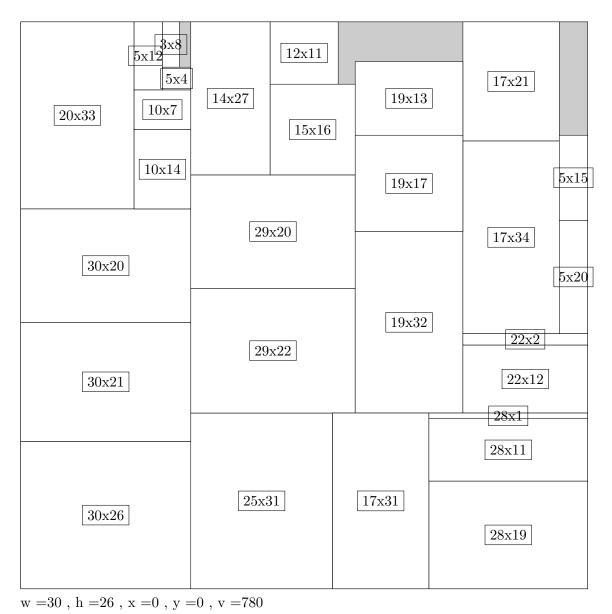
w =17, h =15, x =73, y =27, v =255

w =14, h =15, x =59, y =27, v =210

w =6, h =34, x =57, y =66, v =204

w =8, h =24, x =59, y =42, v =192
```

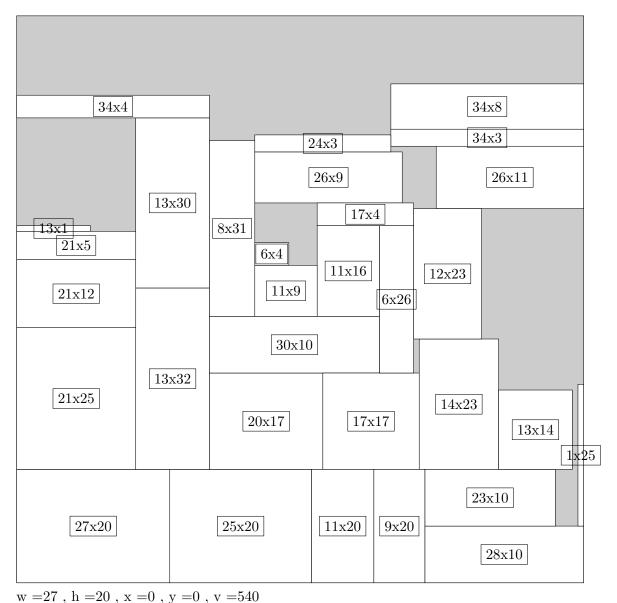
 $\begin{array}{l} w=6\ ,\ h=32\ ,\ x=93\ ,\ y=55\ ,\ v=192\\ w=10\ ,\ h=14\ ,\ x=90\ ,\ y=28\ ,\ v=140\\ w=7\ ,\ h=13\ ,\ x=93\ ,\ y=42\ ,\ v=91\\ w=4\ ,\ h=19\ ,\ x=63\ ,\ y=66\ ,\ v=76\\ w=6\ ,\ h=10\ ,\ x=93\ ,\ y=87\ ,\ v=60\\ w=3\ ,\ h=15\ ,\ x=63\ ,\ y=85\ ,\ v=45\\ w=14\ ,\ h=2\ ,\ x=13\ ,\ y=98\ ,\ v=28 \end{array}$



```
\begin{array}{l} w=25 \;,\; h=31 \;,\; x=30 \;,\; y=0 \;,\; v=775 \\ w=20 \;,\; h=33 \;,\; x=0 \;,\; y=67 \;,\; v=660 \\ w=29 \;,\; h=22 \;,\; x=30 \;,\; y=31 \;,\; v=638 \\ w=30 \;,\; h=21 \;,\; x=0 \;,\; y=26 \;,\; v=630 \\ w=19 \;,\; h=32 \;,\; x=59 \;,\; y=31 \;,\; v=608 \\ w=30 \;,\; h=20 \;,\; x=0 \;,\; y=47 \;,\; v=600 \\ w=29 \;,\; h=20 \;,\; x=30 \;,\; y=53 \;,\; v=580 \\ w=17 \;,\; h=34 \;,\; x=78 \;,\; y=45 \;,\; v=578 \\ w=28 \;,\; h=19 \;,\; x=72 \;,\; y=0 \;,\; v=532 \\ w=17 \;,\; h=31 \;,\; x=55 \;,\; y=0 \;,\; v=527 \\ w=14 \;,\; h=27 \;,\; x=30 \;,\; y=73 \;,\; v=378 \\ w=17 \;,\; h=21 \;,\; x=78 \;,\; y=79 \;,\; v=357 \\ w=19 \;,\; h=17 \;,\; x=59 \;,\; y=63 \;,\; v=323 \\ w=28 \;,\; h=11 \;,\; x=72 \;,\; y=19 \;,\; v=308 \end{array}
```

w = 22, h = 12, x = 78, y = 31, v = 264

```
\begin{array}{l} w=19\;,\; h=13\;,\; x=59\;,\; y=80\;,\; v=247\\ w=15\;,\; h=16\;,\; x=44\;,\; y=73\;,\; v=240\\ w=10\;,\; h=14\;,\; x=20\;,\; y=67\;,\; v=140\\ w=12\;,\; h=11\;,\; x=44\;,\; y=89\;,\; v=132\\ w=5\;,\; h=20\;,\; x=95\;,\; y=45\;,\; v=100\\ w=5\;,\; h=15\;,\; x=95\;,\; y=65\;,\; v=75\\ w=10\;,\; h=7\;,\; x=20\;,\; y=81\;,\; v=70\\ w=5\;,\; h=12\;,\; x=20\;,\; y=88\;,\; v=60\\ w=22\;,\; h=2\;,\; x=78\;,\; y=43\;,\; v=44\\ w=28\;,\; h=1\;,\; x=72\;,\; y=30\;,\; v=28\\ w=3\;,\; h=8\;,\; x=25\;,\; y=92\;,\; v=24\\ w=5\;,\; h=4\;,\; x=25\;,\; y=88\;,\; v=20\\ \end{array}
```



```
\begin{array}{l} w = 21 \; , \; h = 25 \; , \; x = 0 \; , \; y = 20 \; , \; v = 525 \\ w = 25 \; , \; h = 20 \; , \; x = 27 \; , \; y = 0 \; , \; v = 500 \\ w = 13 \; , \; h = 32 \; , \; x = 21 \; , \; y = 20 \; , \; v = 416 \\ w = 21 \; , \; h = 12 \; , \; x = 0 \; , \; y = 45 \; , \; v = 252 \\ w = 20 \; , \; h = 17 \; , \; x = 34 \; , \; y = 20 \; , \; v = 340 \\ w = 14 \; , \; h = 23 \; , \; x = 71 \; , \; y = 20 \; , \; v = 322 \\ w = 30 \; , \; h = 10 \; , \; x = 34 \; , \; y = 37 \; , \; v = 300 \\ w = 17 \; , \; h = 17 \; , \; x = 54 \; , \; y = 20 \; , \; v = 289 \\ w = 26 \; , \; h = 11 \; , \; x = 74 \; , \; y = 66 \; , \; v = 286 \\ w = 28 \; , \; h = 10 \; , \; x = 72 \; , \; y = 0 \; , \; v = 280 \\ w = 12 \; , \; h = 23 \; , \; x = 70 \; , \; y = 43 \; , \; v = 276 \\ w = 34 \; , \; h = 8 \; , \; x = 66 \; , \; y = 80 \; , \; v = 272 \\ w = 13 \; , \; h = 30 \; , \; x = 21 \; , \; y = 52 \; , \; v = 390 \\ w = 8 \; , \; h = 31 \; , \; x = 34 \; , \; y = 47 \; , \; v = 248 \\ w = 26 \; , \; h = 9 \; , \; x = 42 \; , \; y = 67 \; , \; v = 234 \\ \end{array}
```

```
\begin{array}{l} w=23 \;,\; h=10 \;,\; x=72 \;,\; y=10 \;,\; v=230 \\ w=11 \;,\; h=20 \;,\; x=52 \;,\; y=0 \;,\; v=220 \\ w=13 \;,\; h=14 \;,\; x=85 \;,\; y=20 \;,\; v=182 \\ w=9 \;,\; h=20 \;,\; x=63 \;,\; y=0 \;,\; v=180 \\ w=11 \;,\; h=16 \;,\; x=53 \;,\; y=47 \;,\; v=176 \\ w=6 \;,\; h=26 \;,\; x=64 \;,\; y=37 \;,\; v=156 \\ w=34 \;,\; h=4 \;,\; x=0 \;,\; y=82 \;,\; v=136 \\ w=21 \;,\; h=5 \;,\; x=0 \;,\; y=57 \;,\; v=105 \\ w=34 \;,\; h=3 \;,\; x=66 \;,\; y=77 \;,\; v=102 \\ w=11 \;,\; h=9 \;,\; x=42 \;,\; y=47 \;,\; v=99 \\ w=24 \;,\; h=3 \;,\; x=42 \;,\; y=76 \;,\; v=72 \\ w=17 \;,\; h=4 \;,\; x=53 \;,\; y=63 \;,\; v=68 \\ w=1 \;,\; h=25 \;,\; x=99 \;,\; y=10 \;,\; v=25 \\ w=6 \;,\; h=4 \;,\; x=42 \;,\; y=56 \;,\; v=24 \\ \end{array}
```

w = 13, h = 1, x = 0, y = 62, v = 13