$ClassName: \ Class\_02.2bp-11$ 

BinSize:  $30 \times 30$ ReduceSize:  $30 \times 30$ 

TypeNum:  $\underline{36}$ Num:  $\underline{40}$ OutS:  $\underline{1800}$ InS:  $\underline{1070}$ Rate:  $\underline{0.594}$ 

UB: **2** LB0: **2** LB: **2** 

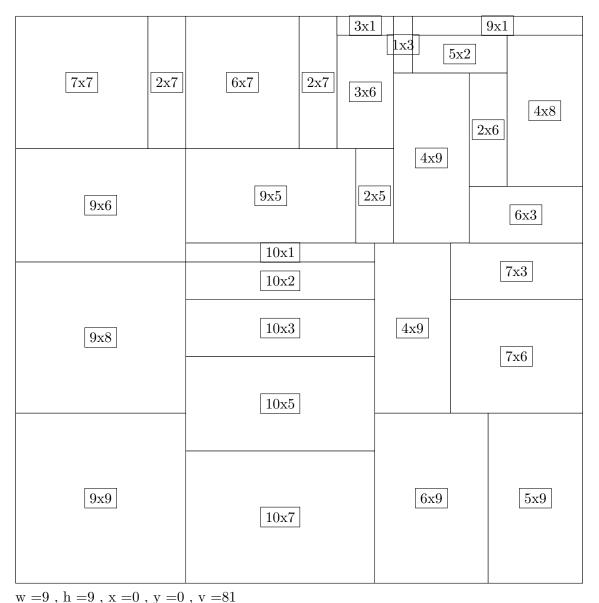
LBWithCut:  $\underline{\mathbf{2}}$  NodeCut:  $\underline{\mathbf{0}}$ 

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

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{2}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

isOpt: **true** 

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.000 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.062 \ s} \\ {\rm TotalTime:} \ \underline{0.141 \ s} \end{array}$ 



```
w = 9, h = 8, x = 0, y = 0, v = 72

w = 9, h = 8, x = 0, y = 9, v = 72

w = 10, h = 7, x = 9, y = 0, v = 70

w = 9, h = 6, x = 0, y = 17, v = 54

w = 6, h = 9, x = 19, y = 0, v = 54

w = 10, h = 5, x = 9, y = 7, v = 50

w = 7, h = 7, x = 0, y = 23, v = 49

w = 5, h = 9, x = 25, y = 0, v = 45

w = 9, h = 5, x = 9, y = 18, v = 45

w = 7, h = 6, x = 23, y = 9, v = 42

w = 6, h = 7, x = 9, y = 23, v = 42

w = 4, h = 9, x = 19, y = 9, v = 36

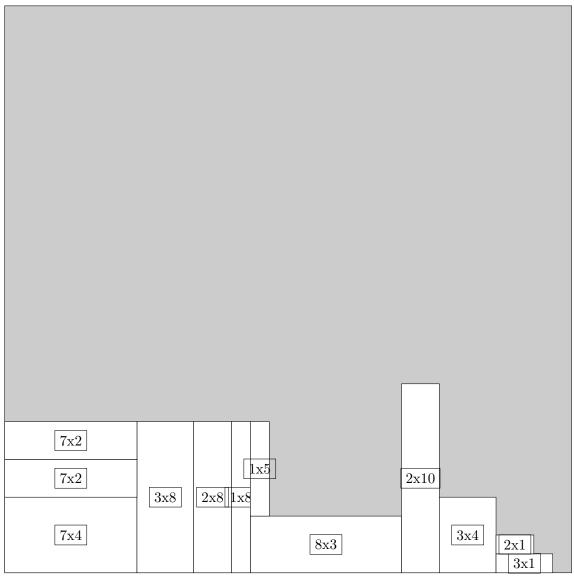
w = 4, h = 9, x = 20, y = 18, v = 36

w = 4, h = 8, x = 26, y = 21, v = 32

w = 10, h = 3, x = 9, y = 12, v = 30

w = 7, h = 3, x = 23, y = 15, v = 21
```

```
\begin{array}{l} w=10\;,\;h=2\;,\;x=9\;,\;y=15\;,\;v=20\\ w=6\;,\;h=3\;,\;x=24\;,\;y=18\;,\;v=18\\ w=3\;,\;h=6\;,\;x=17\;,\;y=23\;,\;v=18\\ w=2\;,\;h=7\;,\;x=7\;,\;y=23\;,\;v=14\\ w=2\;,\;h=7\;,\;x=15\;,\;y=23\;,\;v=14\\ w=2\;,\;h=6\;,\;x=24\;,\;y=21\;,\;v=12\\ w=10\;,\;h=1\;,\;x=9\;,\;y=17\;,\;v=10\\ w=5\;,\;h=2\;,\;x=21\;,\;y=27\;,\;v=10\\ w=2\;,\;h=5\;,\;x=18\;,\;y=18\;,\;v=10\\ w=9\;,\;h=1\;,\;x=21\;,\;y=29\;,\;v=9\\ w=3\;,\;h=1\;,\;x=17\;,\;y=29\;,\;v=3\\ w=1\;,\;h=3\;,\;x=20\;,\;y=27\;,\;v=3\\ \end{array}
```



$$\mathbf{w}$$
 =7 , h =4 , x =0 , y =0 , v =28

$$w$$
 =8 , h =3 , x =13 , y =0 , v =24

$$w = 3$$
,  $h = 8$ ,  $x = 7$ ,  $y = 0$ ,  $v = 24$ 

$$w = 2$$
 ,  $h = 10$  ,  $x = 21$  ,  $y = 0$  ,  $v = 20$ 

$$\mathbf{w}$$
 =2 , h =8 , x =10 , y =0 , v =16

$$w = 7$$
,  $h = 2$ ,  $x = 0$ ,  $y = 6$ ,  $v = 14$ 

$$w = 3$$
,  $h = 4$ ,  $x = 23$ ,  $y = 0$ ,  $v = 12$ 

$$\mathbf{w}$$
 =1 ,  $\mathbf{h}$  =8 ,  $\mathbf{x}$  =12 ,  $\mathbf{y}$  =0 ,  $\mathbf{v}$  =8

$$w = 1$$
,  $h = 5$ ,  $x = 13$ ,  $y = 3$ ,  $v = 5$   
 $w = 3$ ,  $h = 1$ ,  $x = 26$ ,  $y = 0$ ,  $v = 3$ 

$$w = 2$$
,  $h = 1$ ,  $x = 26$ ,  $y = 1$ ,  $v = 2$