$ClassName: \ Class\_02.2bp-12$ 

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

TypeNum:  $\underline{32}$ Num:  $\underline{40}$ OutS:  $\underline{1800}$ InS:  $\underline{1390}$ Rate:  $\underline{0.772}$ 

UB: <u>2</u> LB0: <u>2</u> LB: 2

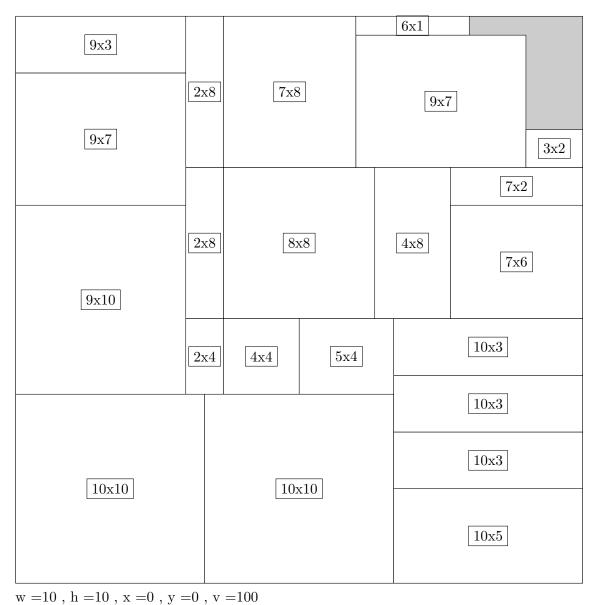
LBWithCut:  $\underline{\mathbf{2}}$  NodeCut:  $\underline{\mathbf{0}}$ 

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** 

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.000 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.062 \ s} \\ {\rm TotalTime:} \ \underline{0.109 \ s} \end{array}$ 



```
w =10, h =10, x =0, y =0, v =100

w =10, h =10, x =10, y =0, v =100

w =9, h =10, x =0, y =10, v =90

w =2, h =8, x =9, y =14, v =16

w =8, h =8, x =11, y =14, v =64

w =9, h =7, x =0, y =20, v =63

w =9, h =7, x =18, y =22, v =63

w =7, h =8, x =11, y =22, v =56

w =10, h =5, x =20, y =0, v =50

w =7, h =6, x =23, y =14, v =42

w =4, h =8, x =19, y =14, v =32

w =10, h =3, x =20, y =5, v =30

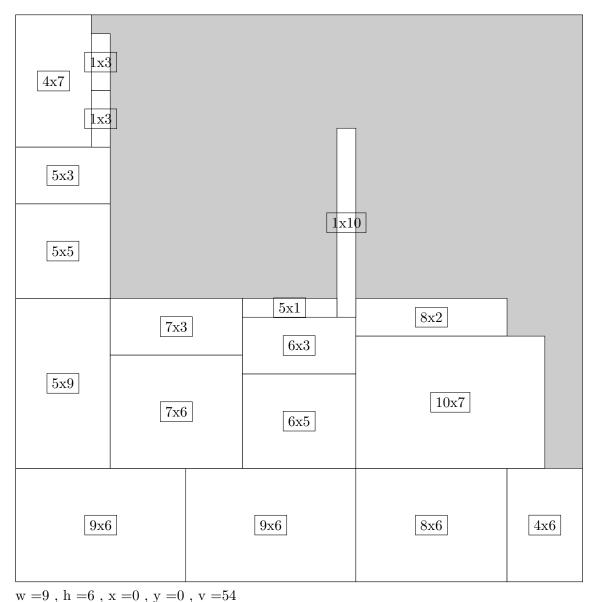
w =10, h =3, x =20, y =8, v =30

w =10, h =3, x =20, y =11, v =30

w =9, h =3, x =0, y =27, v =27

w =5, h =4, x =15, y =10, v =20
```

 $\begin{array}{l} w=4\ ,\, h=4\ ,\, x=11\ ,\, y=10\ ,\, v=16\\ w=2\ ,\, h=8\ ,\, x=9\ ,\, y=22\ ,\, v=16\\ w=7\ ,\, h=2\ ,\, x=23\ ,\, y=20\ ,\, v=14\\ w=2\ ,\, h=4\ ,\, x=9\ ,\, y=10\ ,\, v=8\\ w=6\ ,\, h=1\ ,\, x=18\ ,\, y=29\ ,\, v=6\\ w=3\ ,\, h=2\ ,\, x=27\ ,\, y=22\ ,\, v=6\\ \end{array}$ 



```
\begin{array}{l} w=9\;,\;h=6\;,\;x=9\;,\;y=0\;,\;v=54\\ w=8\;,\;h=6\;,\;x=18\;,\;y=0\;,\;v=48\\ w=5\;,\;h=9\;,\;x=0\;,\;y=6\;,\;v=45\\ w=7\;,\;h=6\;,\;x=5\;,\;y=6\;,\;v=42\\ w=6\;,\;h=5\;,\;x=12\;,\;y=6\;,\;v=30\\ w=4\;,\;h=7\;,\;x=0\;,\;y=23\;,\;v=28\\ w=5\;,\;h=5\;,\;x=0\;,\;y=15\;,\;v=25\\ w=4\;,\;h=6\;,\;x=26\;,\;y=0\;,\;v=24\\ w=7\;,\;h=3\;,\;x=5\;,\;y=12\;,\;v=21\\ w=6\;,\;h=3\;,\;x=12\;,\;y=11\;,\;v=18\\ w=8\;,\;h=2\;,\;x=18\;,\;y=13\;,\;v=16\\ w=10\;,\;h=7\;,\;x=18\;,\;y=6\;,\;v=70\\ w=5\;,\;h=3\;,\;x=0\;,\;y=20\;,\;v=15\\ w=1\;,\;h=10\;,\;x=17\;,\;y=14\;,\;v=10\\ w=5\;,\;h=1\;,\;x=12\;,\;y=14\;,\;v=5\\ \end{array}
```

$$\begin{array}{l} w = 1 \ , \ h = 3 \ , \ x = 4 \ , \ y = 23 \ , \ v = 3 \\ w = 1 \ , \ h = 3 \ , \ x = 4 \ , \ y = 26 \ , \ v = 3 \end{array}$$