$ClassName: \ Class\_01.2bp-11$ 

BinSize:  $\underline{10 \times 10}$ ReduceSize:  $\underline{10 \times 10}$ 

TypeNum: <u>36</u> Num: <u>40</u> OutS: <u>1200</u> InS: <u>1070</u> Rate: <u>0.892</u> UB: <u>12</u> LB0: <u>12</u>

LBWithCut:  $\underline{12}$ NodeCut:  $\underline{0}$ 

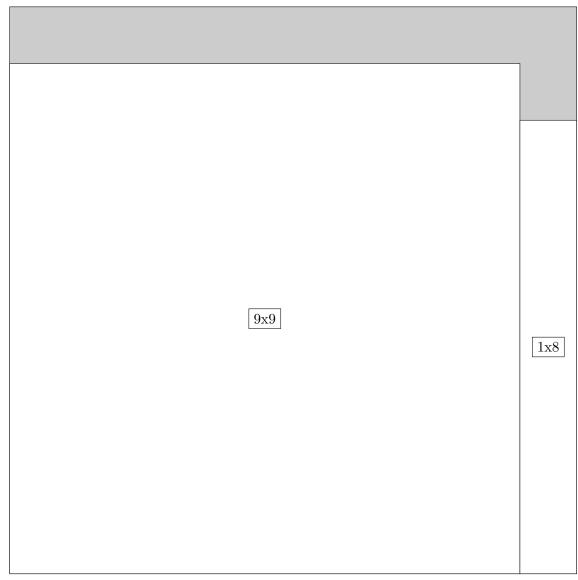
LB: **12** 

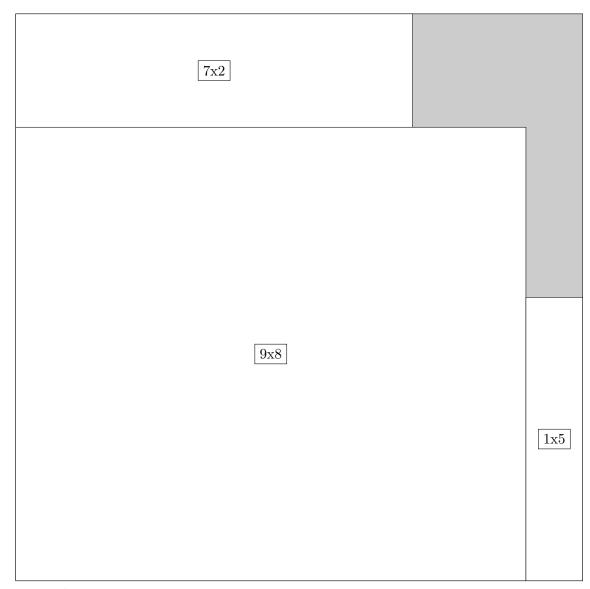
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{12}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

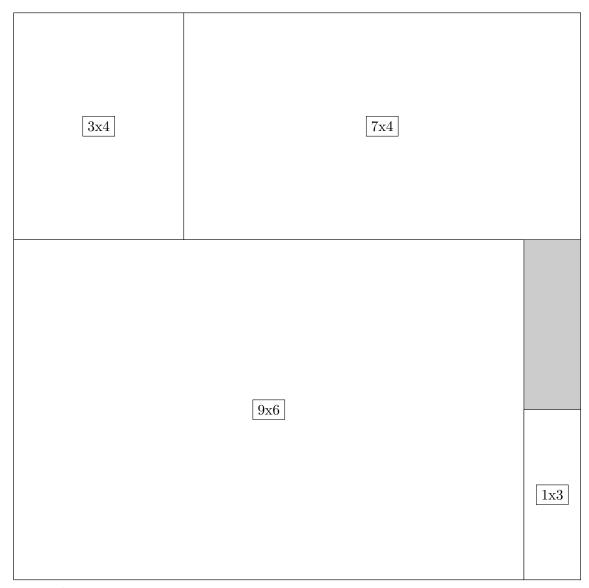
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.000 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.140 \ s} \\ \end{array}$ 





$$\begin{array}{l} w = 9 \ , \ h = 8 \ , \ x = 0 \ , \ y = 0 \ , \ v = 72 \\ w = 7 \ , \ h = 2 \ , \ x = 0 \ , \ y = 8 \ , \ v = 14 \\ w = 1 \ , \ h = 5 \ , \ x = 9 \ , \ y = 0 \ , \ v = 5 \end{array}$$





$$\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 54 \\ w = 7 \ , \ h = 4 \ , \ x = 3 \ , \ y = 6 \ , \ v = 28 \\ w = 3 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 12 \\ w = 1 \ , \ h = 3 \ , \ x = 9 \ , \ y = 0 \ , \ v = 3 \end{array}$$



 $\begin{array}{l} w = 6 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 54 \\ w = 4 \ , \ h = 9 \ , \ x = 6 \ , \ y = 0 \ , \ v = 36 \\ w = 10 \ , \ h = 1 \ , \ x = 0 \ , \ y = 9 \ , \ v = 10 \end{array}$ 

7x3	3x1 3x1
7x7	3x8

$$\mathbf{w}$$
 =7 , h =7 , x =0 , y =0 , v =49

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

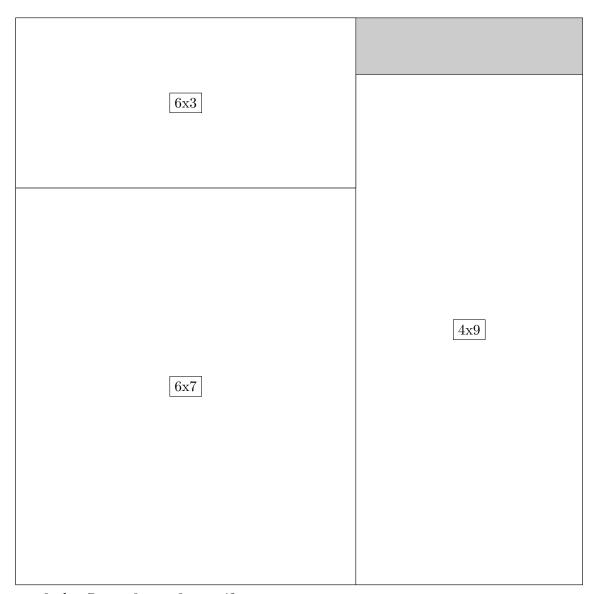
$$w = 7$$
,  $h = 3$ ,  $x = 0$ ,  $y = 7$ ,  $v = 21$ 

$$\mathbf{w}$$
 =3 , h =1 , x =7 , y =8 , v =3

$$w = 3$$
,  $h = 1$ ,  $x = 7$ ,  $y = 9$ ,  $v = 3$ 

2x1		7x2
	10x2	
	7x6	3x6

$$\begin{array}{l} w = 7 \;,\; h = 6 \;,\; x = 0 \;,\; y = 0 \;,\; v = 42 \\ w = 10 \;,\; h = 2 \;,\; x = 0 \;,\; y = 6 \;,\; v = 20 \\ w = 3 \;,\; h = 6 \;,\; x = 7 \;,\; y = 0 \;,\; v = 18 \\ w = 7 \;,\; h = 2 \;,\; x = 3 \;,\; y = 8 \;,\; v = 14 \\ w = 2 \;,\; h = 1 \;,\; x = 0 \;,\; y = 8 \;,\; v = 2 \end{array}$$



 $\begin{array}{l} w = 6 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 42 \\ w = 4 \ , \ h = 9 \ , \ x = 6 \ , \ y = 0 \ , \ v = 36 \end{array}$ 

 $\mathbf{w}$  =6 , h =3 , x =0 , y =7 , v =18

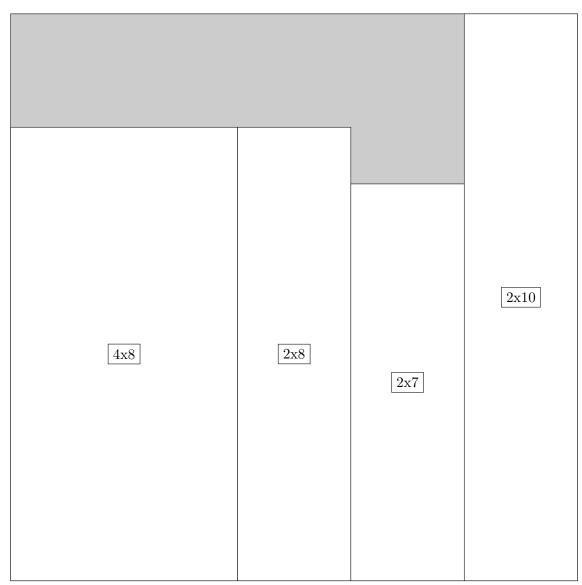
5x2	
[8x3]	2x5
10x5	

 $\mathbf{w}$  =10 , h =5 , x =0 , y =0 , v =50

w = 2, h = 5, x = 8, y = 5, v = 10

 $\le=8$  , h =3 , x =0 , y =5 , v =24

 $\mathbf{w}$  =5 , h =2 , x =3 , y =8 , v = 10

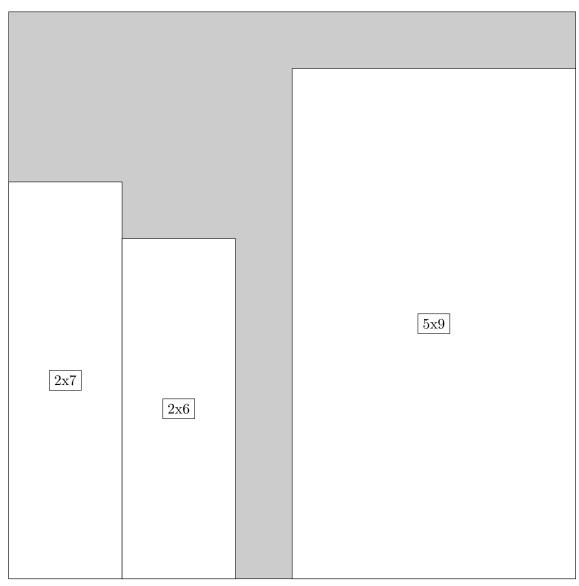


 $\mathbf{w}$  =4 , h =8 , x =0 , y =0 , v =32

 $\mathbf{w}$  =2 , h =10 , x =8 , y =0 , v =20

 $\mathbf{w}$  =2 , h =8 , x =4 , y =0 , v = 16

 $\mathbf{w}$  =2 , h =7 , x =6 , y =0 , v =14



 $\begin{array}{l} w=2\ ,\, h=7\ ,\, x=0\ ,\, y=0\ ,\, v=14\\ w=2\ ,\, h=6\ ,\, x=2\ ,\, y=0\ ,\, v=12\\ w=5\ ,\, h=9\ ,\, x=5\ ,\, y=0\ ,\, v=45 \end{array}$ 

