${\bf ClassName:}~{\bf Class\_01.2bp\text{-}12}$ 

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

TypeNum:  $\underline{32}$ Num:  $\underline{40}$ OutS:  $\underline{1700}$ InS:  $\underline{1390}$ Rate:  $\underline{0.818}$ UB:  $\underline{17}$ LB0:  $\underline{16}$ 

LBWithCut:  $\underline{17}$ NodeCut:  $\underline{0}$ 

LB: **17** 

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

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{40}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{24}}$ PricingSolverCnt:  $\underline{\mathbf{24}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

TimeOnPrimal:  $\underline{0.000 \text{ s}}$ TimeOnPricing:  $\underline{0.797 \text{ s}}$ TimeOnRmp:  $\underline{0.078 \text{ s}}$ TotalTime:  $\underline{0.922 \text{ s}}$ 



 $\mathbf{w}$  =10 , h =10 , x =0 , y =0 , v =100



 $\mathbf{w}$  =10 , h =10 , x =0 , y =0 , v =100



w =9, h =10, x =0, y =0, v =90 w =1, h =10, x =9, y =0, v =10



3x2		7x2	
	8x8		2x8

$$w=8$$
 ,  $h=8$  ,  $x=0$  ,  $y=0$  ,  $v=64$ 

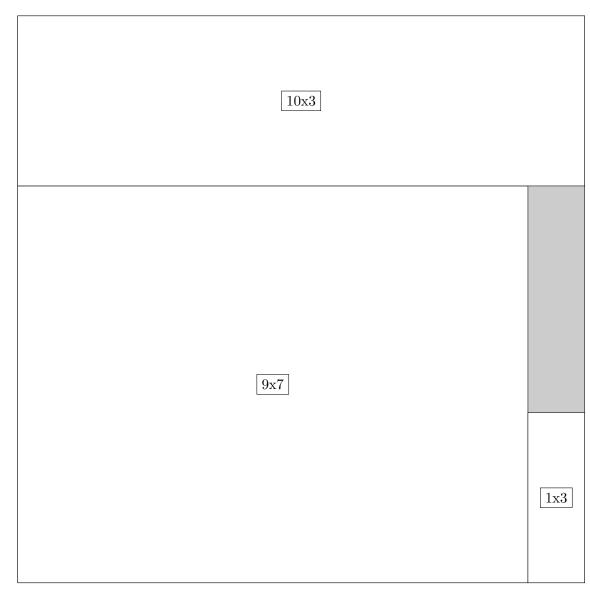
$$\le =2$$
 , h =8 , x =8 , y =0 , v =  
16

$$\mathbf{w}$$
 =7 , h =2 , x =3 , y =8 , v =14

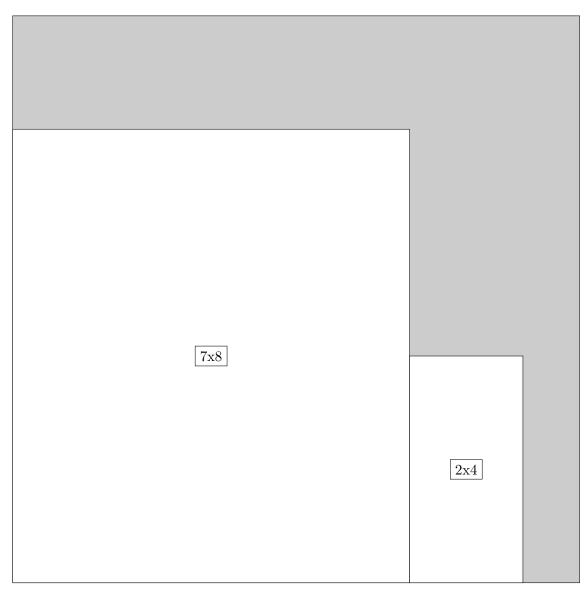
$$\mathbf{w}$$
 =3 , h =2 , x =0 , y =8 , v =6

9x3	1x3
$9\mathrm{x}7$	

$$\begin{array}{l} w = 9 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 63 \\ w = 9 \ , \ h = 3 \ , \ x = 0 \ , \ y = 7 \ , \ v = 27 \\ w = 1 \ , \ h = 3 \ , \ x = 9 \ , \ y = 7 \ , \ v = 3 \end{array}$$

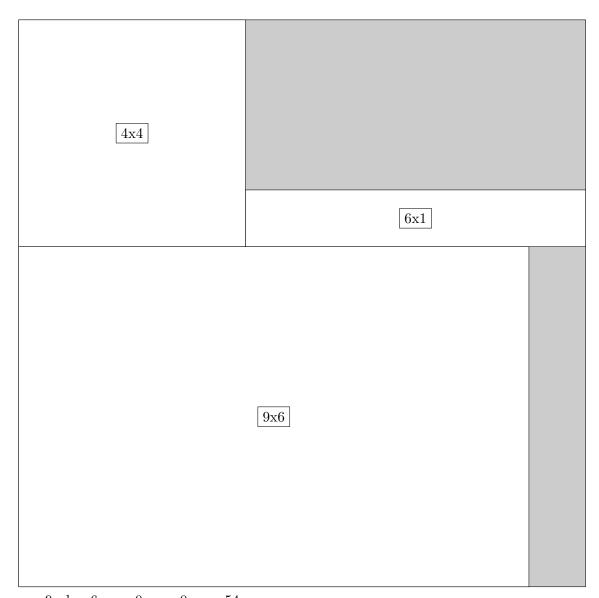


$$\begin{array}{l} w = 9 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 63 \\ w = 10 \ , \ h = 3 \ , \ x = 0 \ , \ y = 7 \ , \ v = 30 \\ w = 1 \ , \ h = 3 \ , \ x = 9 \ , \ y = 0 \ , \ v = 3 \end{array}$$



	[5x1]	
5x4	5x3	
9x6		

$$\begin{array}{l} w = 9 \ , \, h = 6 \ , \, x = 0 \ , \, y = 0 \ , \, v = 54 \\ w = 5 \ , \, h = 4 \ , \, x = 0 \ , \, y = 6 \ , \, v = 20 \\ w = 5 \ , \, h = 3 \ , \, x = 5 \ , \, y = 6 \ , \, v = 15 \\ w = 5 \ , \, h = 1 \ , \, x = 5 \ , \, y = 9 \ , \, v = 5 \end{array}$$

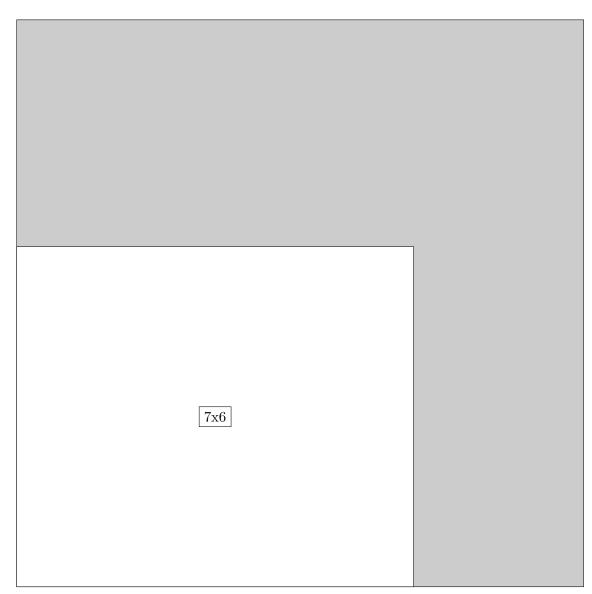


$$\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 54 \\ w = 4 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 16 \\ w = 6 \ , \ h = 1 \ , \ x = 4 \ , \ y = 6 \ , \ v = 6 \end{array}$$

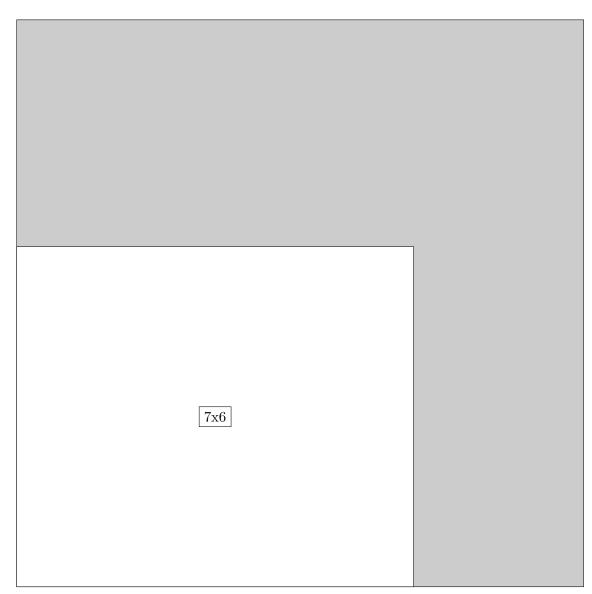
8x2	
8x6	2x8

 $\begin{array}{l} w = 8 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 48 \\ w = 8 \ , \ h = 2 \ , \ x = 0 \ , \ y = 6 \ , \ v = 16 \end{array}$ 

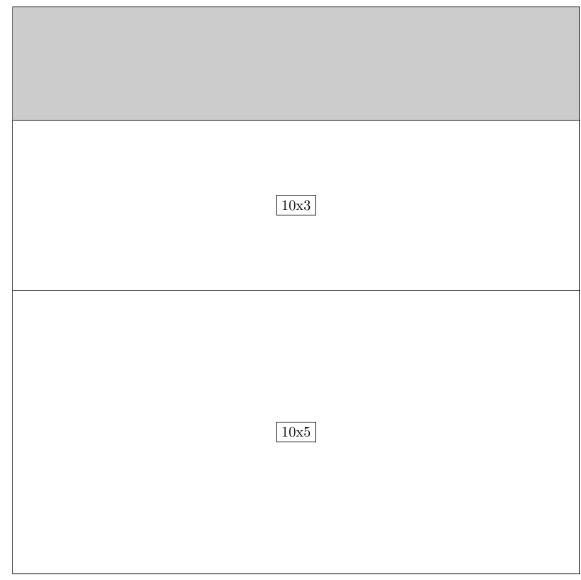
 $\mathbf{w}$  =2 , h =8 , x =8 , y =0 , v = 16

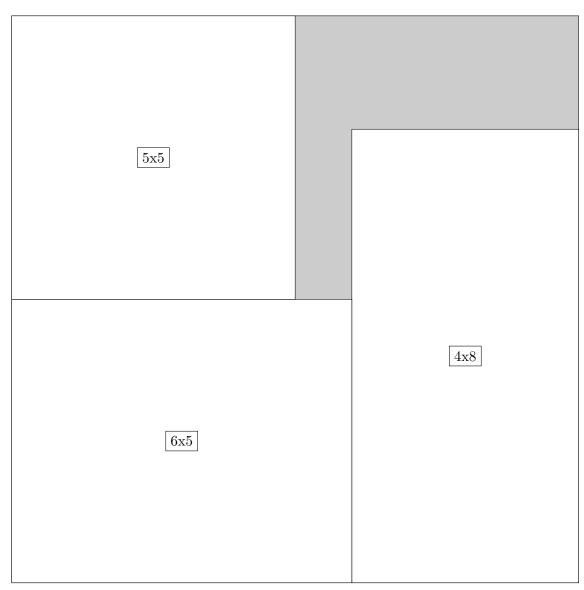


 $\mathbf{w}$  =7 , h =6 , x =0 , y =0 , v =42



 $\mathbf{w}$  =7 , h =6 , x =0 , y =0 , v =42

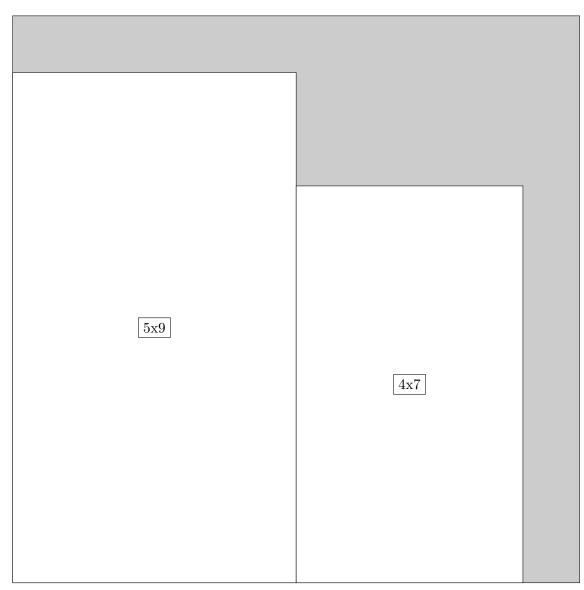




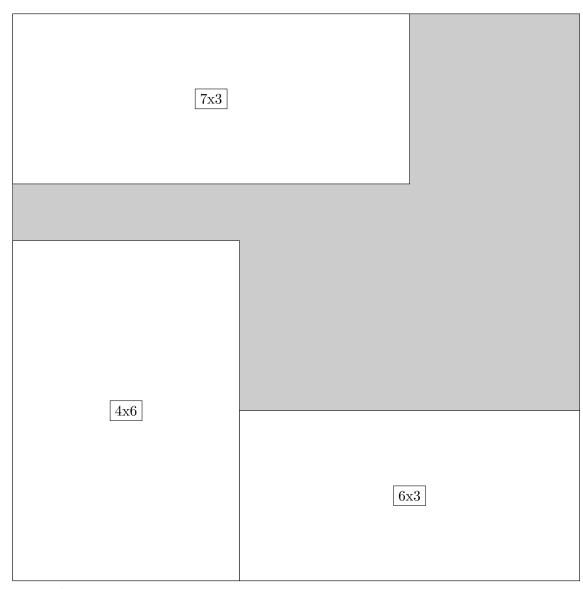
$$w = 4$$
,  $h = 8$ ,  $x = 6$ ,  $y = 0$ ,  $v = 32$ 

$$\mathbf{w}$$
 =6 , h =5 , x =0 , y =0 , v =30

$$\mathbf{w}$$
 =5 , h =5 , x =0 , y =5 , v =25



 $\begin{array}{l} w = 5 \ , \, h = 9 \ , \, x = 0 \ , \, y = 0 \ , \, v = \!\! 45 \\ w = \!\! 4 \ , \, h = \!\! 7 \ , \, x = \!\! 5 \ , \, y = \!\! 0 \ , \, v = \!\! 28 \end{array}$ 



$$\begin{array}{l} w = \! 4 \ , \, h = \! 6 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 24 \\ w = \! 7 \ , \, h = \! 3 \ , \, x = \! 0 \ , \, y = \! 7 \ , \, v = \! 21 \\ w = \! 6 \ , \, h = \! 3 \ , \, x = \! 4 \ , \, y = \! 0 \ , \, v = \! 18 \end{array}$$