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

 $\begin{array}{ll} \text{BinSize: } \underline{\mathbf{10} \times \mathbf{10}} \\ \text{ReduceSize: } \underline{\mathbf{10} \times \mathbf{10}} \end{array}$ 

TypeNum: <u>32</u> Num: <u>40</u> OutS: <u>1700</u> InS: <u>1390</u> Rate: <u>0.818</u> UB: <u>17</u> LB0: <u>16</u> LB: <u>17</u>

LBWithCut:  $\underline{17}$ NodeCut:  $\underline{0}$ PrimalNode:  $\underline{0}$ ColumnCount:  $\underline{40}$ TotalCutCount:  $\underline{0}$ RootCutCount:  $\underline{0}$ LPSolverCnt:  $\underline{24}$ PricingSolverCnt:  $\underline{24}$ BranchAndBoundNum:  $\underline{1}$ 

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.609 sTimeOnRmp: 0.062 sTotalTime: 0.750 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

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

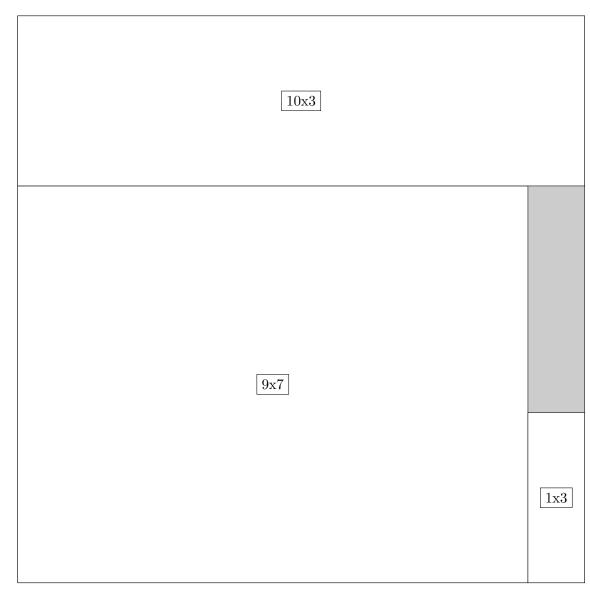
$$\le =2$$
 , h =8 , x =8 , y =0 , v =  
16

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

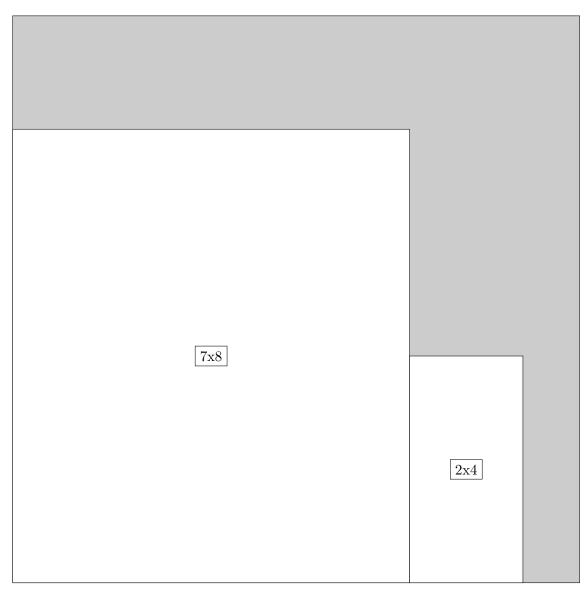
$$\mathbf{w}$$
 =3 , h =2 , x =0 , y =8 , v =6

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

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

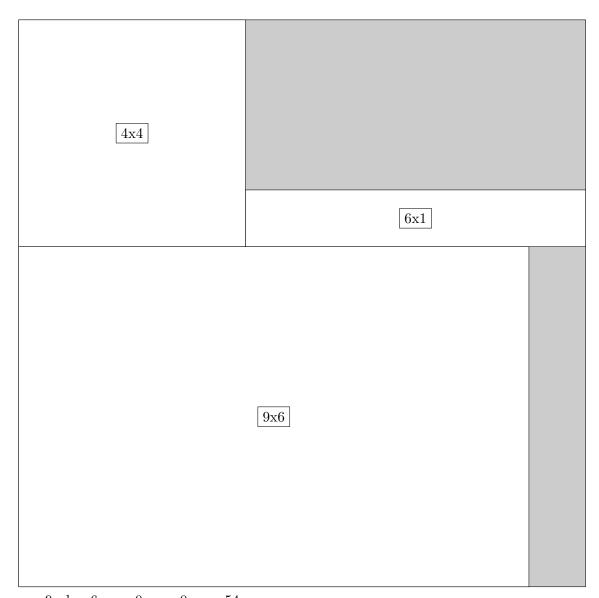


$$\begin{array}{l} w = 9 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 63 \\ w = 10 \ , \ h = 3 \ , \ x = 0 \ , \ y = 7 \ , \ v = 30 \\ w = 1 \ , \ h = 3 \ , \ x = 9 \ , \ y = 0 \ , \ v = 3 \end{array}$$



	[5x1]	
5x4	5x3	
9x6		

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

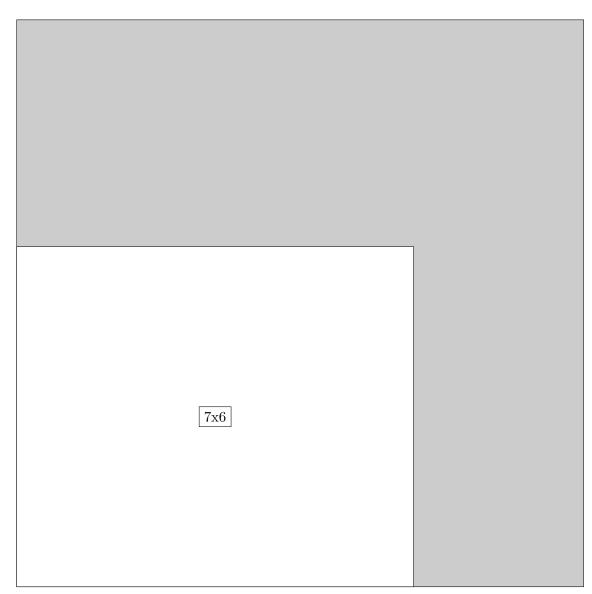


$$\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 54 \\ w = 4 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 16 \\ w = 6 \ , \ h = 1 \ , \ x = 4 \ , \ y = 6 \ , \ v = 6 \end{array}$$

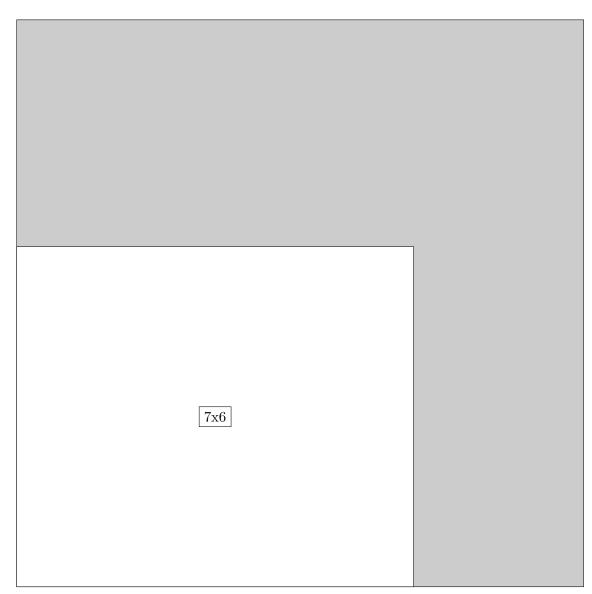
8x2	
8x6	2x8

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

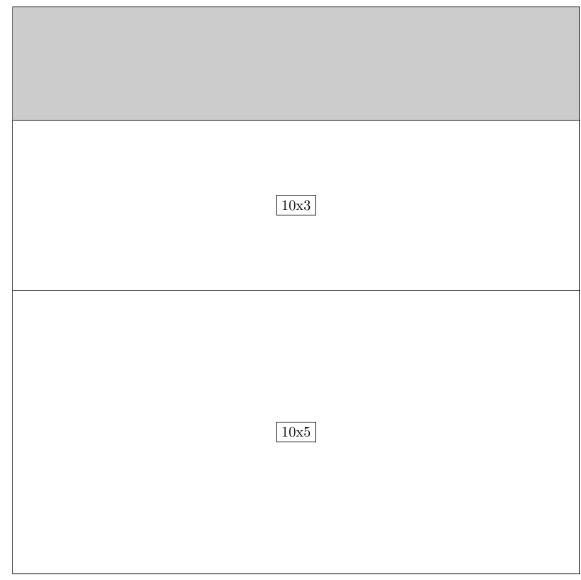
 $\mathbf{w}$  =2 , h =8 , x =8 , y =0 , v = 16

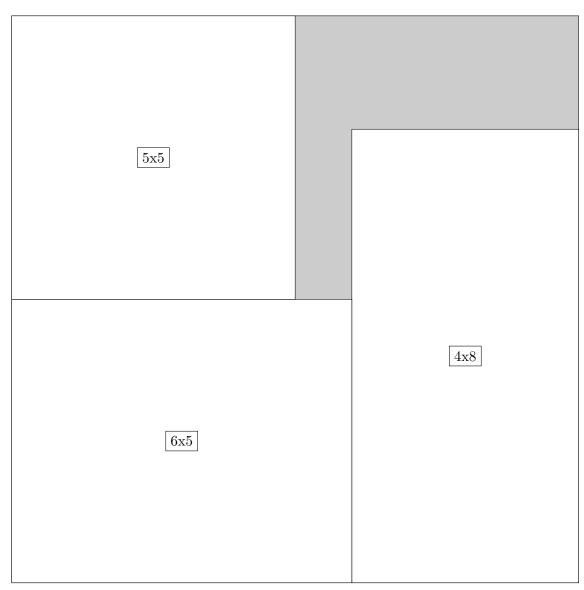


 $\mathbf{w}$  =7 , h =6 , x =0 , y =0 , v =42



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

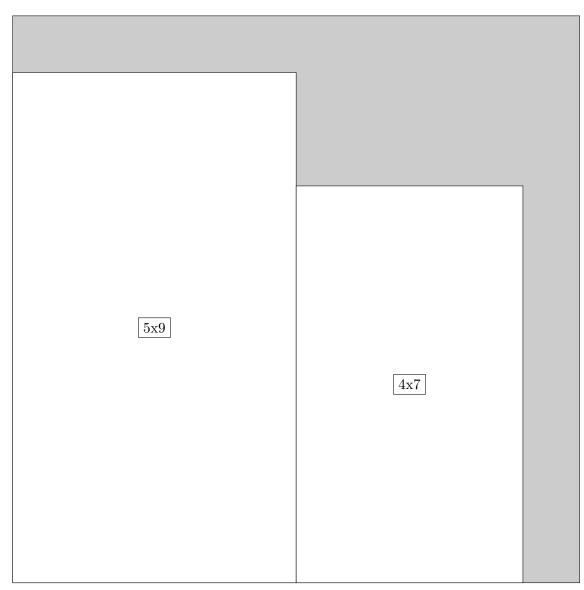




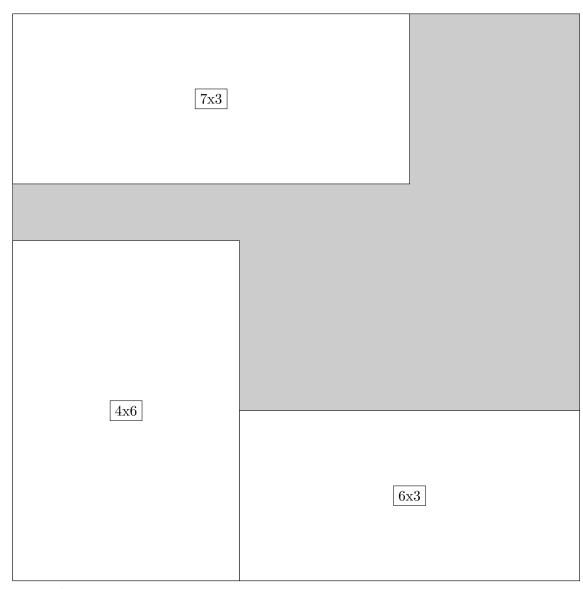
$$w = 4$$
,  $h = 8$ ,  $x = 6$ ,  $y = 0$ ,  $v = 32$ 

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

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



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



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