${\bf ClassName:}\ {\bf Class\_01.2bp\text{-}36}$ 

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

TypeNum: <u>55</u> Num: <u>80</u> OutS: <u>3100</u> InS: <u>2660</u> Rate: <u>0.858</u> UB: <u>31</u> LB: <u>31</u>

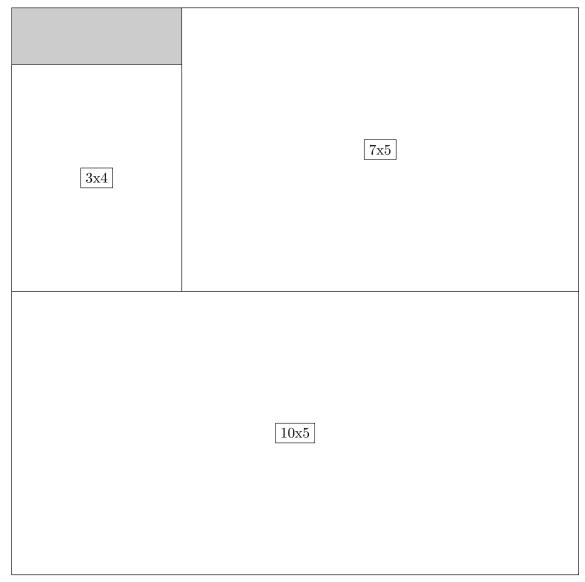
LBWithCut: 31NodeCount: 0PrimalNode: 0ColumnCount: 31TotalCutCount: 0RootCutCount: 0LPSolverCnt: 1PricingSolverCnt: 0BranchAndBoundNum: 1

isOpt: **true** 

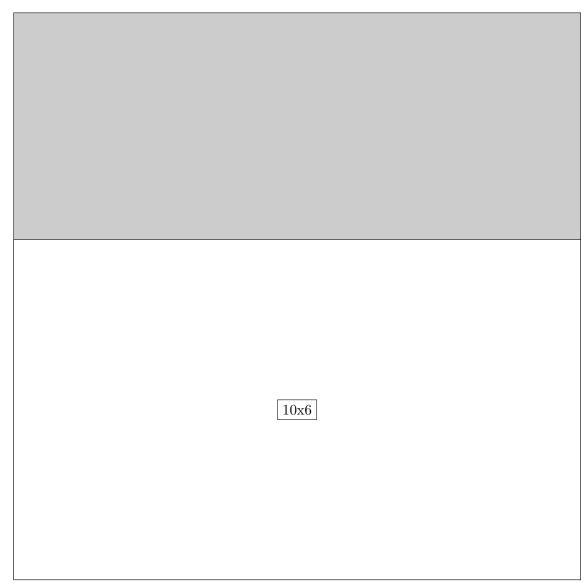
TimeOnPrimal:  $\underline{0.000 \text{ s}}$ TimeOnPricing:  $\underline{0.000 \text{ s}}$ TimeOnRmp:  $\underline{0.078 \text{ s}}$ TotalTime:  $\underline{0.203 \text{ s}}$ 

1x10 $3x10$ $6x10$	

 $\begin{array}{l} w = 6 \ , \ h = 10 \ , \ x = 4 \ , \ y = 0 \ , \ v = 60 \\ w = 3 \ , \ h = 10 \ , \ x = 1 \ , \ y = 0 \ , \ v = 30 \\ w = 1 \ , \ h = 10 \ , \ x = 0 \ , \ y = 0 \ , \ v = 10 \end{array}$ 



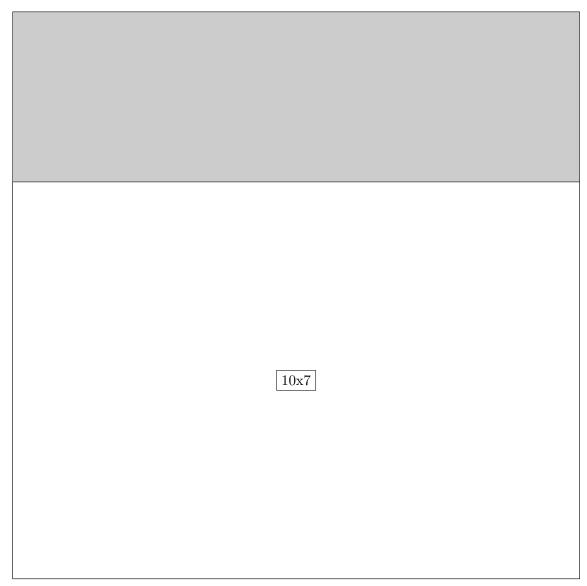
 $\begin{array}{l} w = & 10 \ , \ h = & 5 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 50 \\ w = & 7 \ , \ h = & 5 \ , \ x = & 3 \ , \ y = & 5 \ , \ v = & 35 \\ w = & 3 \ , \ h = & 4 \ , \ x = & 0 \ , \ y = & 5 \ , \ v = & 12 \end{array}$ 



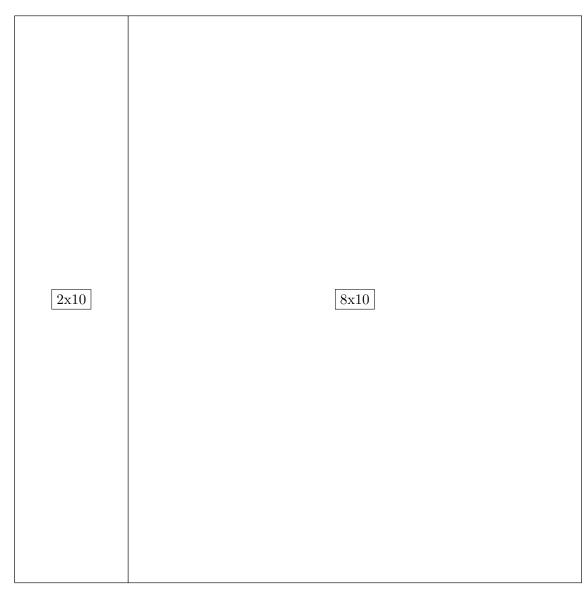
w = 10, h = 6, x = 0, y = 0, v = 60

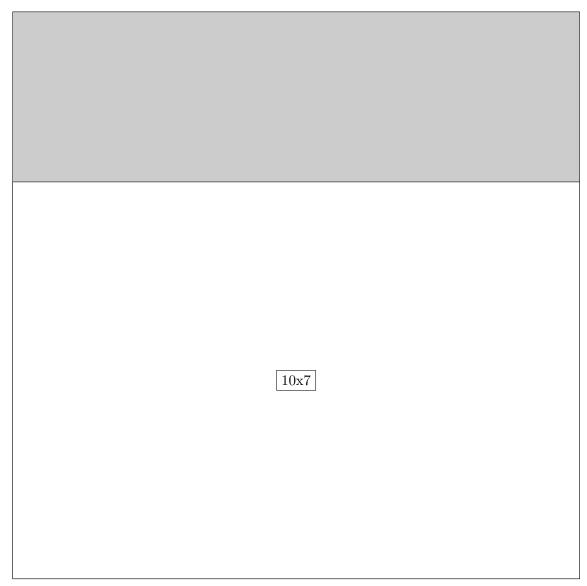


 $\mathbf{w}$  =10 , h =10 , x =0 , y =0 , v =100

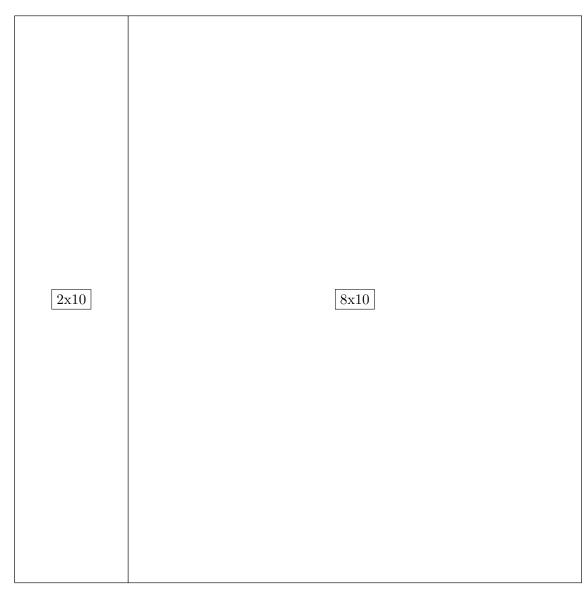


w = 10, h = 7, x = 0, y = 0, v = 70





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



3x4	6x4
4x6	6x6

w =6, h =6, x =4, y =0, v =36 w =4, h =6, x =0, y =0, v =24

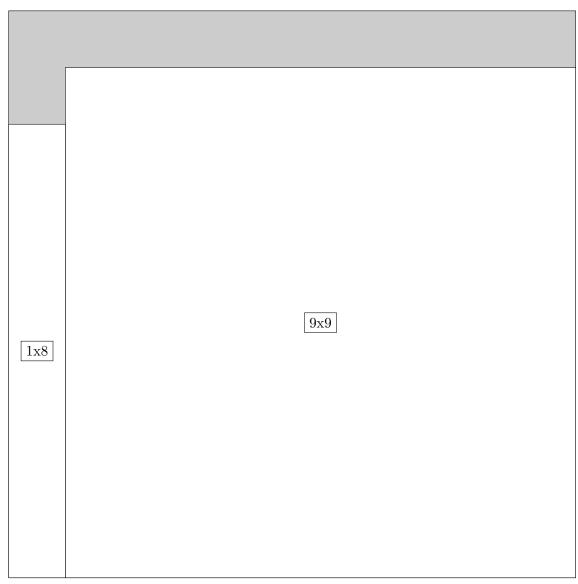
w = 6, h = 4, x = 4, y = 6, v = 24

 $\mathbf{w} = \! 3$  ,  $\mathbf{h} = \! \! 4$  ,  $\mathbf{x} = \! \! 1$  ,  $\mathbf{y} = \! \! \! 6$  ,  $\mathbf{v} = \! \! 12$ 

3x1	7x1
3x9	7x9

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

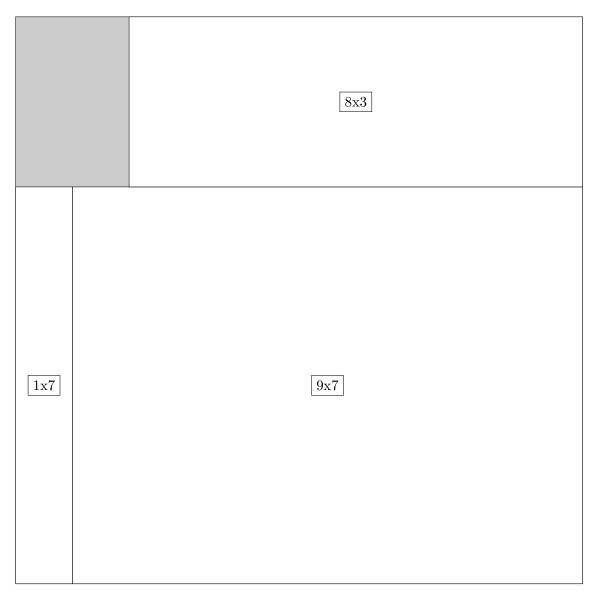
w = 3, h = 9, x = 0, y = 0, v = 27



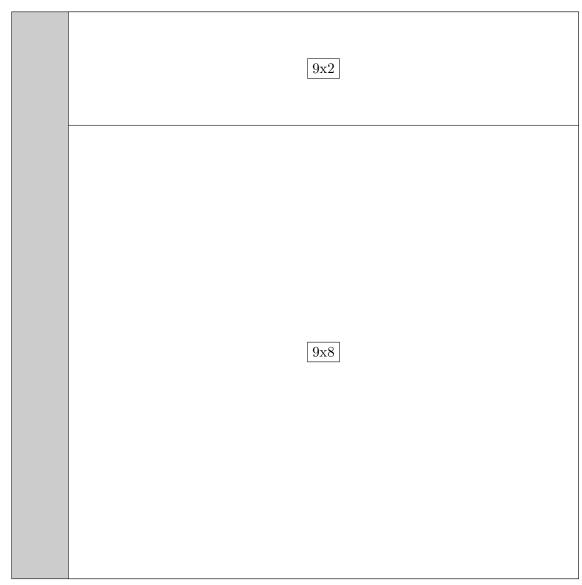
w =9, h =9, x =1, y =0, v =81 w =1, h =8, x =0, y =0, v =8

2x2	8x3
2x7	8x7

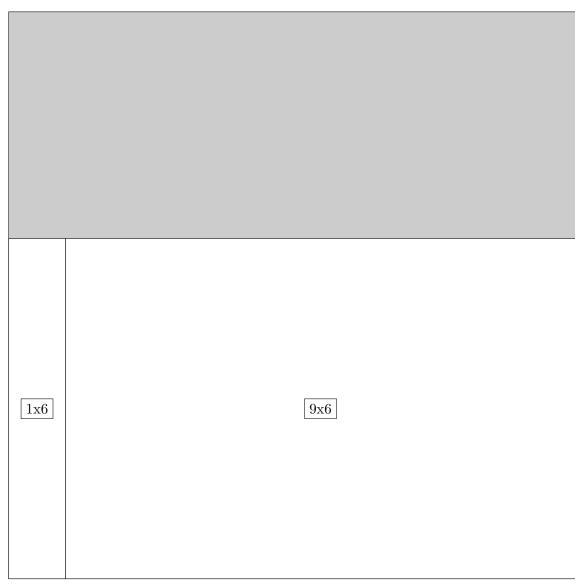
 $\begin{array}{l} w=8 \ , \ h=7 \ , \ x=2 \ , \ y=0 \ , \ v=56 \\ w=8 \ , \ h=3 \ , \ x=2 \ , \ y=7 \ , \ v=24 \\ w=2 \ , \ h=7 \ , \ x=0 \ , \ y=0 \ , \ v=14 \\ w=2 \ , \ h=2 \ , \ x=0 \ , \ y=7 \ , \ v=4 \end{array}$ 



 $\begin{array}{l} w = 9 \ , \ h = 7 \ , \ x = 1 \ , \ y = 0 \ , \ v = 63 \\ w = 1 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 7 \\ w = 8 \ , \ h = 3 \ , \ x = 2 \ , \ y = 7 \ , \ v = 24 \end{array}$ 



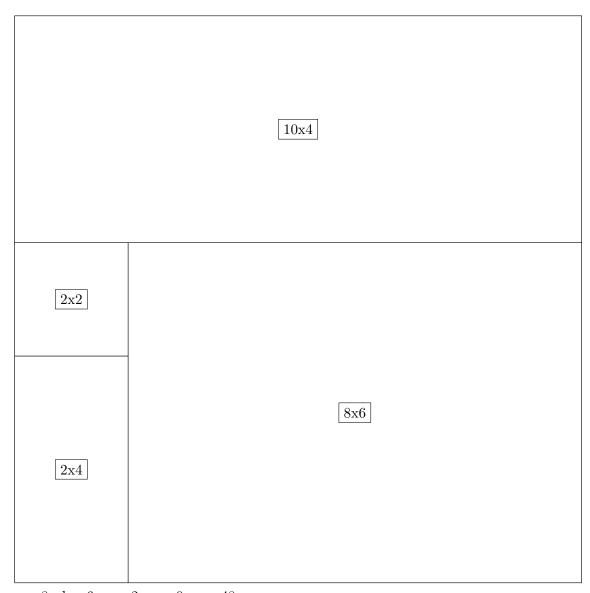
$$\begin{array}{c} w = 9 \ , \ h = 8 \ , \ x = 1 \ , \ y = 0 \ , \ v = 72 \\ w = 9 \ , \ h = 2 \ , \ x = 1 \ , \ y = 8 \ , \ v = 18 \end{array}$$



w =9, h =6, x =1, y =0, v =54 w =1, h =6, x =0, y =0, v =6

1x3	4x3	5x4
		9x6

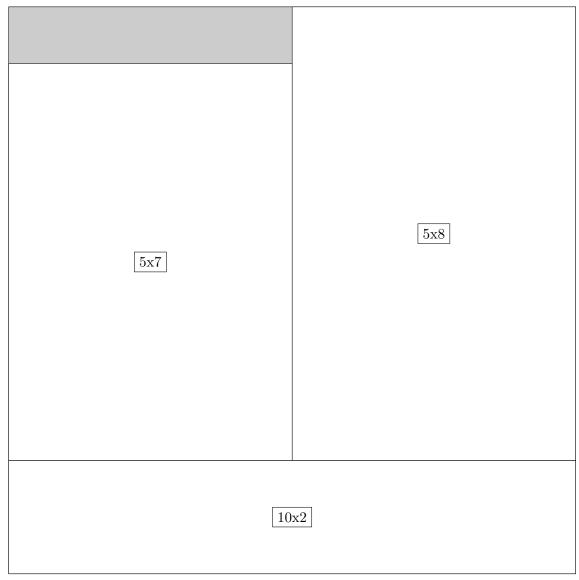
 $\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 1 \ , \ y = 0 \ , \ v = 54 \\ w = 5 \ , \ h = 4 \ , \ x = 5 \ , \ y = 6 \ , \ v = 20 \\ w = 4 \ , \ h = 3 \ , \ x = 1 \ , \ y = 6 \ , \ v = 12 \\ w = 1 \ , \ h = 3 \ , \ x = 0 \ , \ y = 6 \ , \ v = 3 \end{array}$ 



$$\begin{array}{l} w = 8 \;,\; h = 6 \;,\; x = 2 \;,\; y = 0 \;,\; v = \!\! 48 \\ w = \!\! 2 \;,\; h = \!\! 4 \;,\; x = \!\! 0 \;,\; y = \!\! 0 \;,\; v = \!\! 8 \end{array}$$

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

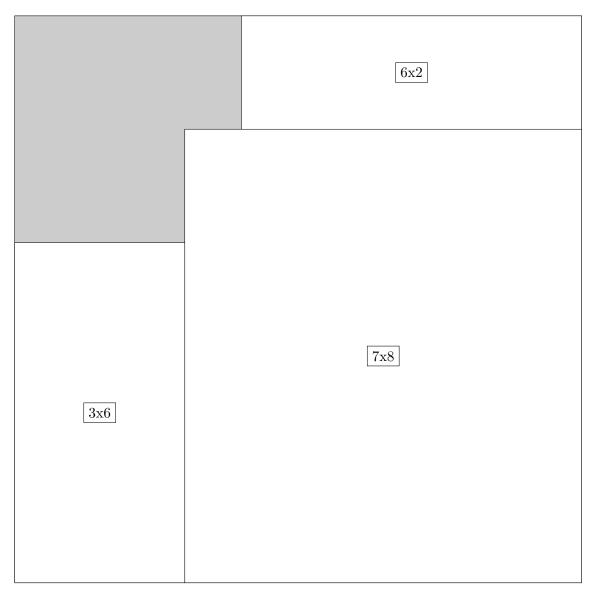
$$w = 10$$
,  $h = 4$ ,  $x = 0$ ,  $y = 6$ ,  $v = 40$ 



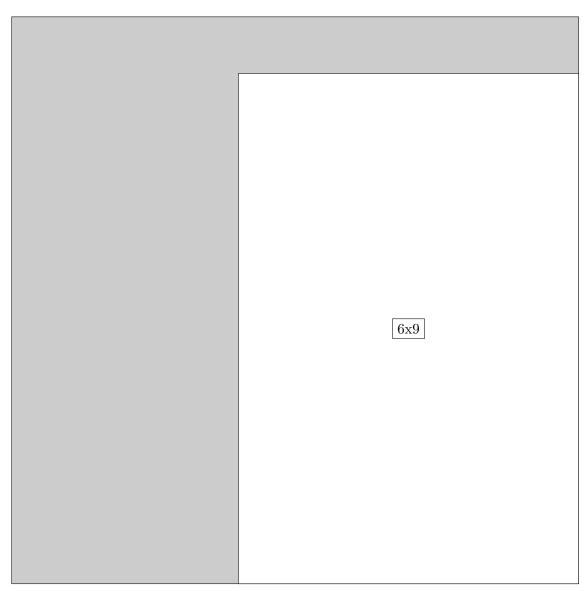
 $\begin{array}{l} w = & 10 \ , \ h = & 2 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 20 \\ w = & 5 \ , \ h = & 8 \ , \ x = & 5 \ , \ y = & 2 \ , \ v = & 40 \\ w = & 5 \ , \ h = & 7 \ , \ x = & 0 \ , \ y = & 2 \ , \ v = & 35 \end{array}$ 

2x2	8x4
2x7	8x6

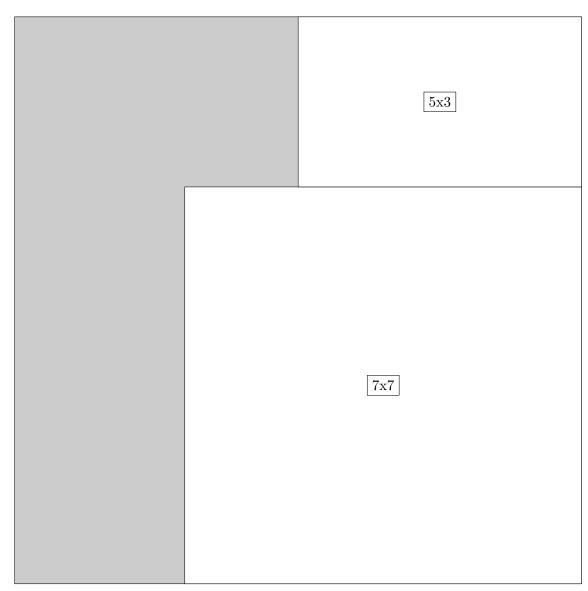
 $\begin{array}{l} w=8 \ , \ h=6 \ , \ x=2 \ , \ y=0 \ , \ v=48 \\ w=8 \ , \ h=4 \ , \ x=2 \ , \ y=6 \ , \ v=32 \\ w=2 \ , \ h=7 \ , \ x=0 \ , \ y=0 \ , \ v=14 \\ w=2 \ , \ h=2 \ , \ x=0 \ , \ y=7 \ , \ v=4 \end{array}$ 



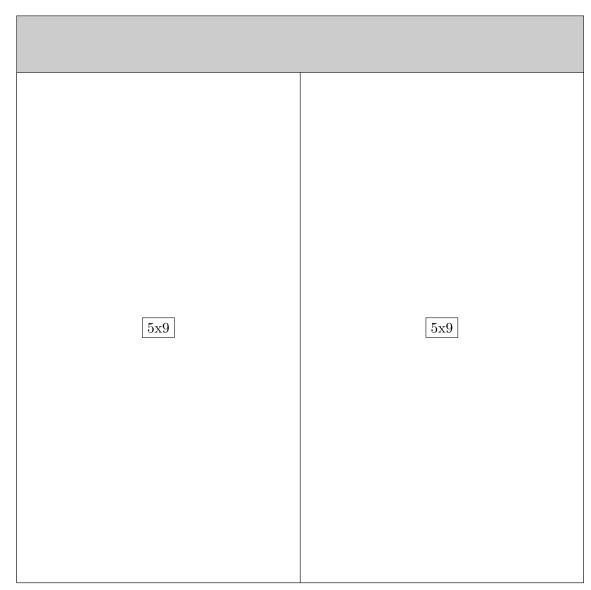
$$\begin{array}{l} w = 7 \ , \ h = 8 \ , \ x = 3 \ , \ y = 0 \ , \ v = 56 \\ w = 3 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 18 \\ w = 6 \ , \ h = 2 \ , \ x = 4 \ , \ y = 8 \ , \ v = 12 \end{array}$$



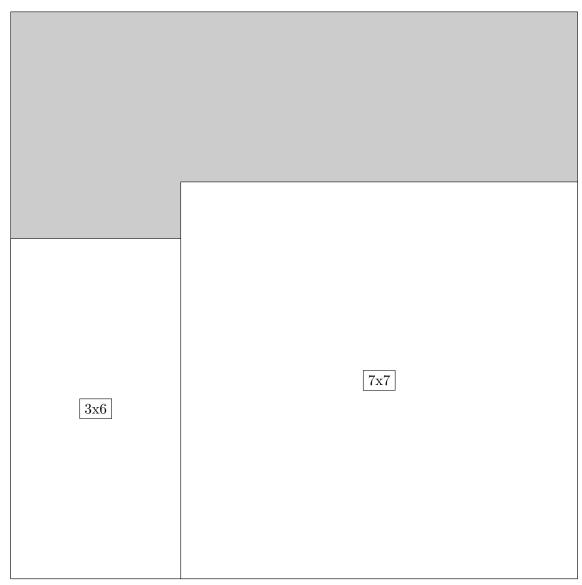
 $\mathbf{w}$  =6 , h =9 , x =4 , y =0 , v = 54

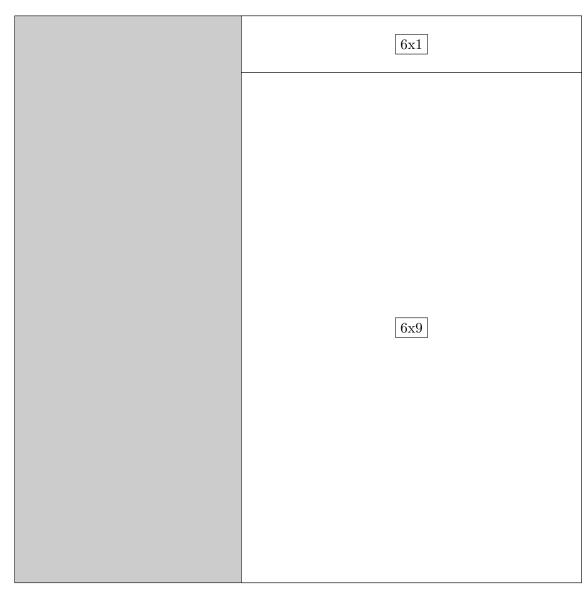


$$\begin{array}{l} w = 7 \ , \ h = 7 \ , \ x = 3 \ , \ y = 0 \ , \ v = 49 \\ w = 5 \ , \ h = 3 \ , \ x = 5 \ , \ y = 7 \ , \ v = 15 \end{array}$$

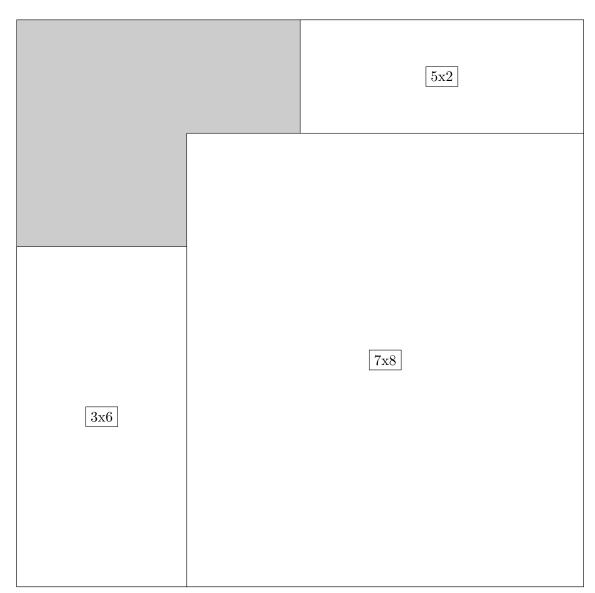


w =5, h =9, x =5, y =0, v =45 w =5, h =9, x =0, y =0, v =45

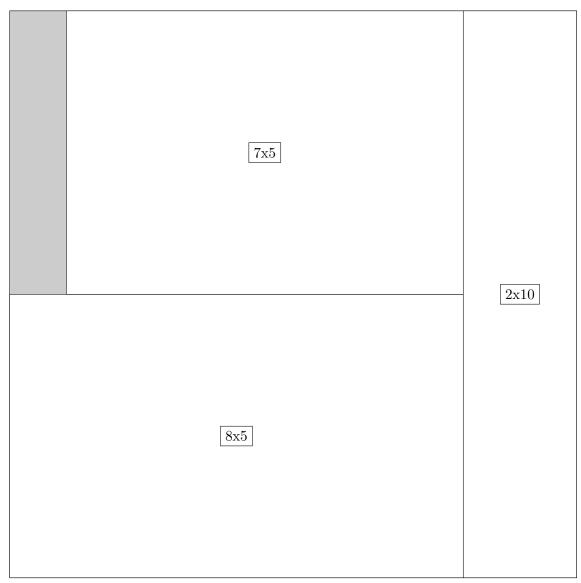




w =6, h =9, x =4, y =0, v =54 w =6, h =1, x =4, y =9, v =6



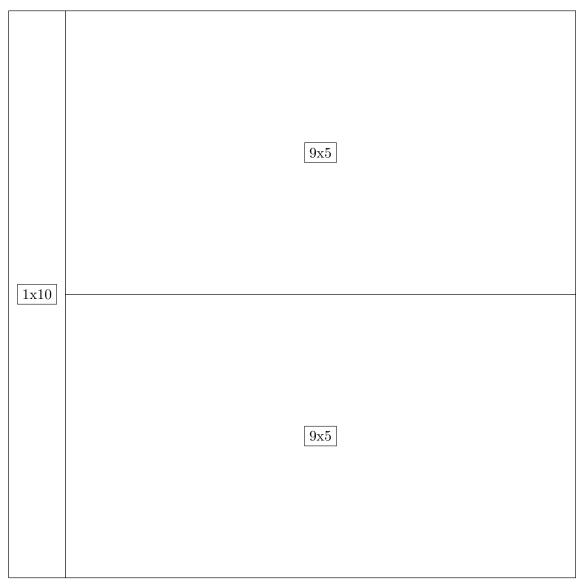
$$\begin{array}{l} w = 7 \ , \ h = 8 \ , \ x = 3 \ , \ y = 0 \ , \ v = 56 \\ w = 3 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 18 \\ w = 5 \ , \ h = 2 \ , \ x = 5 \ , \ y = 8 \ , \ v = 10 \end{array}$$



$$\le = 2$$
 , h =  
10 , x =  
8 , y =  
0 , v =  
20

$$\mathbf{w}$$
 =8 , h =5 , x =0 , y =0 , v =40

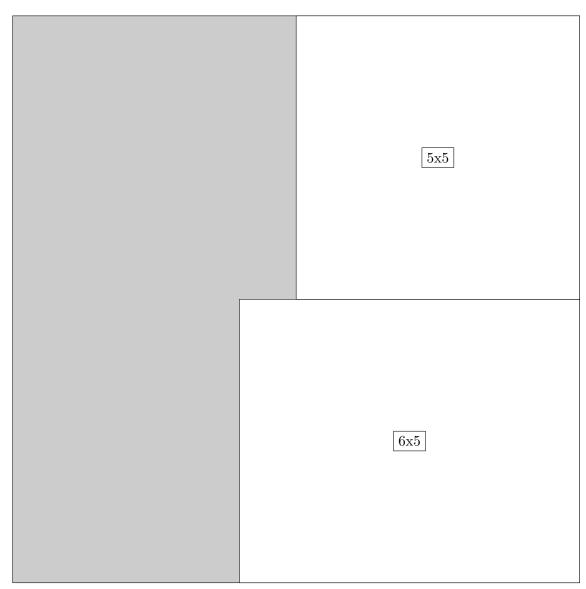
$$\mathbf{w}$$
 =7 , h =5 , x =1 , y =5 , v =35



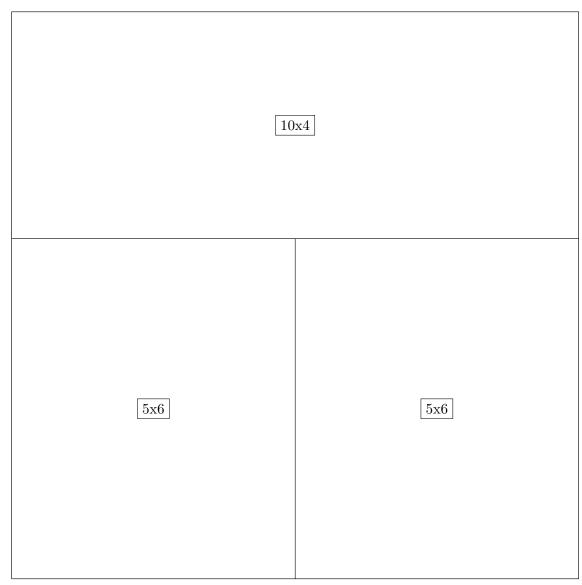
 $\begin{array}{l} w = 9 \ , \ h = 5 \ , \ x = 1 \ , \ y = 0 \ , \ v = 45 \\ w = 9 \ , \ h = 5 \ , \ x = 1 \ , \ y = 5 \ , \ v = 45 \\ w = 1 \ , \ h = 10 \ , \ x = 0 \ , \ y = 0 \ , \ v = 10 \end{array}$ 

[4x1]	
	$5\mathrm{x}4$
5x9	
	5x6

$$\begin{array}{l} w = 5 \ , \ h = 6 \ , \ x = 5 \ , \ y = 0 \ , \ v = 30 \\ w = 5 \ , \ h = 4 \ , \ x = 5 \ , \ y = 6 \ , \ v = 20 \\ w = 5 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 45 \\ w = 4 \ , \ h = 1 \ , \ x = 1 \ , \ y = 9 \ , \ v = 4 \end{array}$$



 $\begin{array}{l} w = 6 \ , \ h = 5 \ , \ x = 4 \ , \ y = 0 \ , \ v = 30 \\ w = 5 \ , \ h = 5 \ , \ x = 5 \ , \ y = 5 \ , \ v = 25 \end{array}$ 



$$\begin{array}{l} w = 5 \ , \ h = 6 \ , \ x = 5 \ , \ y = 0 \ , \ v = 30 \\ w = 5 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 30 \\ w = 10 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 40 \end{array}$$