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

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

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> LB0: <u>31</u>

LB: **31** 

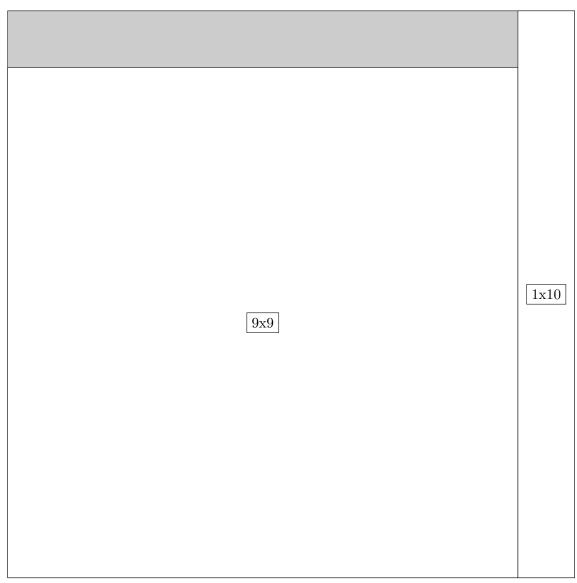
LBWithCut:  $\underline{31}$ NodeCut:  $\underline{0}$ PrimalNode:  $\underline{0}$ ColumnCount:  $\underline{31}$ TotalCutCount:  $\underline{0}$ RootCutCount:  $\underline{0}$ LPSolverCnt:  $\underline{1}$ PricingSolverCnt:  $\underline{0}$ BranchAndBoundNum:  $\underline{1}$ 

isOpt: **true** 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 0.109 s



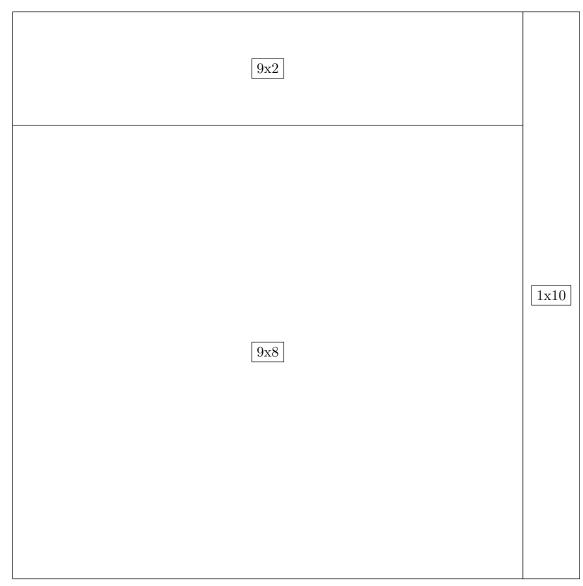
 $\mathbf{w}$  =10 , h =10 , x =0 , y =0 , v =100



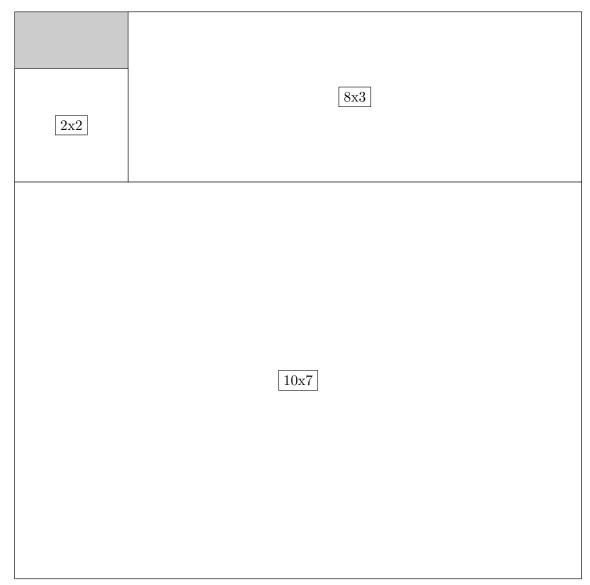
w =9, h =9, x =0, y =0, v =81 w =1, h =10, x =9, y =0, v =10



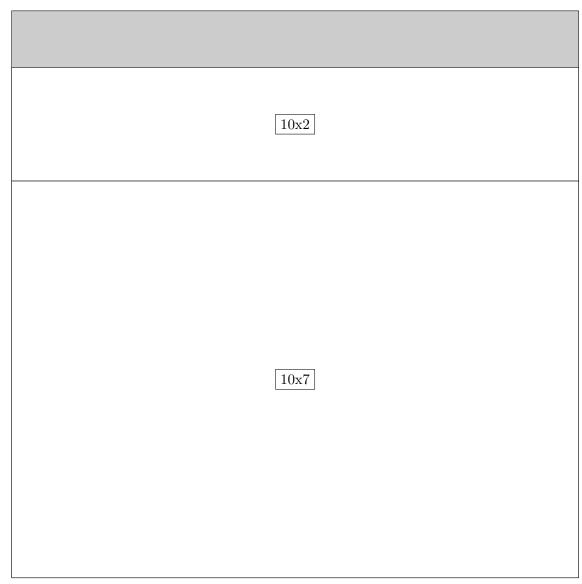




$$\begin{array}{l} w = 9 \ , \ h = 8 \ , \ x = 0 \ , \ y = 0 \ , \ v = 72 \\ w = 9 \ , \ h = 2 \ , \ x = 0 \ , \ y = 8 \ , \ v = 18 \\ w = 1 \ , \ h = 10 \ , \ x = 9 \ , \ y = 0 \ , \ v = 10 \end{array}$$



$$\begin{array}{l} w = & 10 \ , \ h = & 7 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 70 \\ w = & 8 \ , \ h = & 3 \ , \ x = & 2 \ , \ y = & 7 \ , \ v = & 24 \\ w = & 2 \ , \ h = & 2 \ , \ x = & 0 \ , \ y = & 7 \ , \ v = & 4 \end{array}$$



5x2	5x3
9x7	1x7

$$\begin{array}{l} w = 9 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 63 \\ w = 5 \ , \ h = 3 \ , \ x = 5 \ , \ y = 7 \ , \ v = 15 \end{array}$$

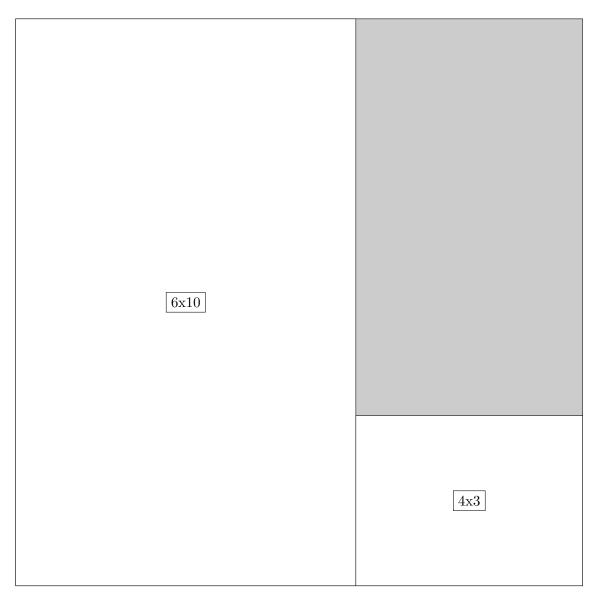
$$\mathbf{w}$$
 =5 , h =2 , x =0 , y =7 , v =  
10

$$\mathbf{w}$$
 =1 , h =7 , x =9 , y =0 , v =7

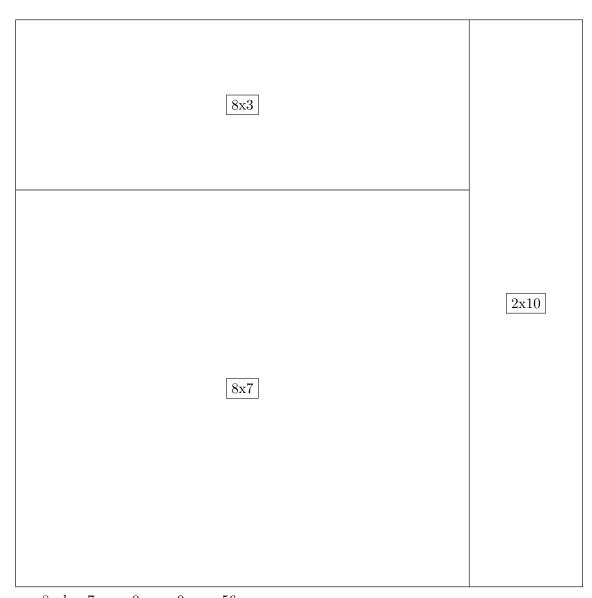
7x1	
7x9	3x10

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

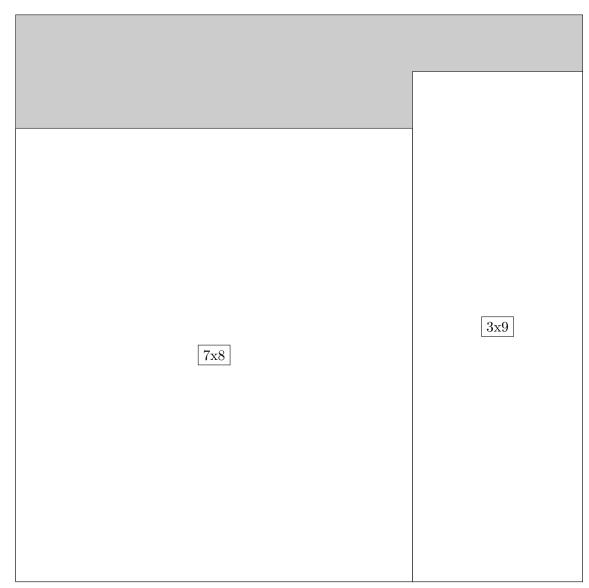




w =6, h =10, x =0, y =0, v =60 w =4, h =3, x =6, y =0, v =12



 $\begin{array}{l} w = 8 \;,\; h = 7 \;,\; x = 0 \;,\; y = 0 \;,\; v = 56 \\ w = 8 \;,\; h = 3 \;,\; x = 0 \;,\; y = 7 \;,\; v = 24 \\ w = 2 \;,\; h = 10 \;,\; x = 8 \;,\; y = 0 \;,\; v = 20 \end{array}$ 



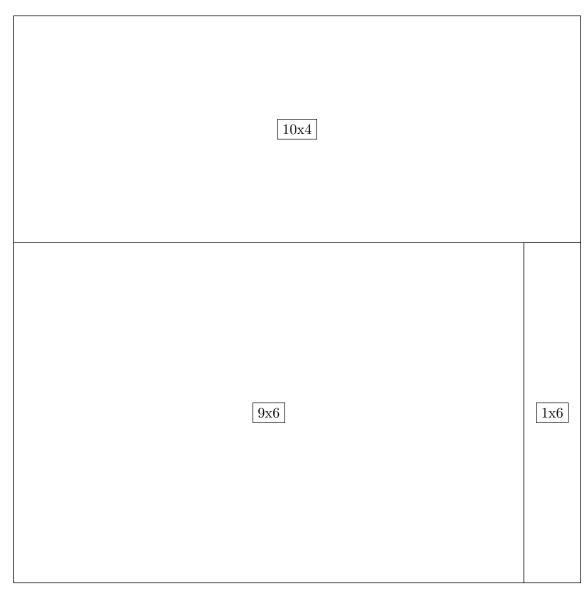
6x1	[3x4]
7x8	3x6

$$w$$
 =7 ,  $h$  =8 ,  $x$  =0 ,  $y$  =0 ,  $v$  =56

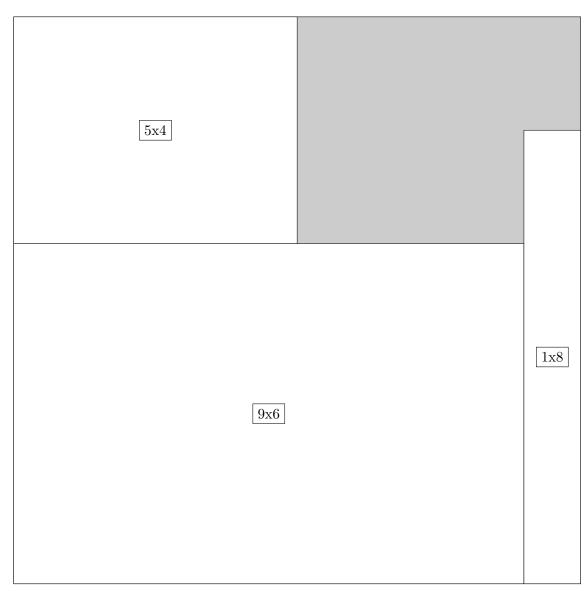
$$\mathbf{w}$$
 =3 , h =6 , x =7 , y =0 , v =18

$$\mathbf{w}$$
 =3 , h =4 , x =7 , y =6 , v =12

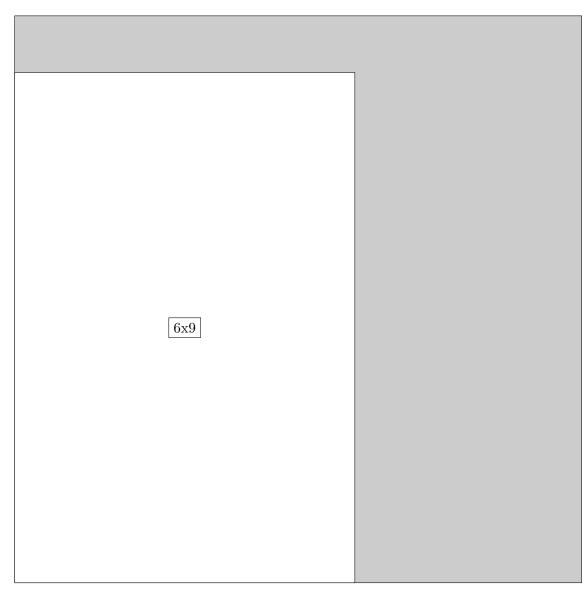
$$\mathbf{w}$$
 =6 , h =1 , x =0 , y =8 , v =6



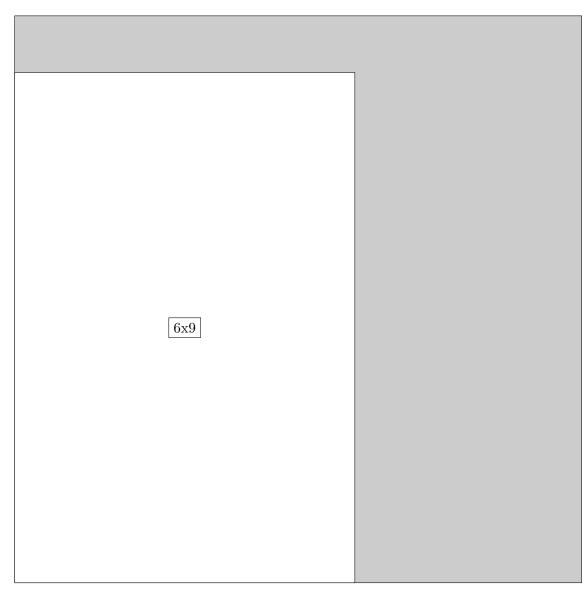
$$\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 54 \\ w = 10 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 40 \\ w = 1 \ , \ h = 6 \ , \ x = 9 \ , \ y = 0 \ , \ v = 6 \end{array}$$



$$\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 54 \\ w = 5 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 20 \\ w = 1 \ , \ h = 8 \ , \ x = 9 \ , \ y = 0 \ , \ v = 8 \end{array}$$



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



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

6x2	3x4
7x7	3x6

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

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

 $\mathbf{w}$  =6 , h =2 , x =0 , y =7 , v =12

 $\mathbf{w}$  =3 , h =4 , x =7 , y =6 , v =12

	3x1
7x7	3x6

w = 7, h = 7, x = 0, y = 0, v = 49

 $\le 3$  , h =6 , x =7 , y =0 , v = 18

w = 3 , h = 1 , x = 7 , y = 6 , v = 3

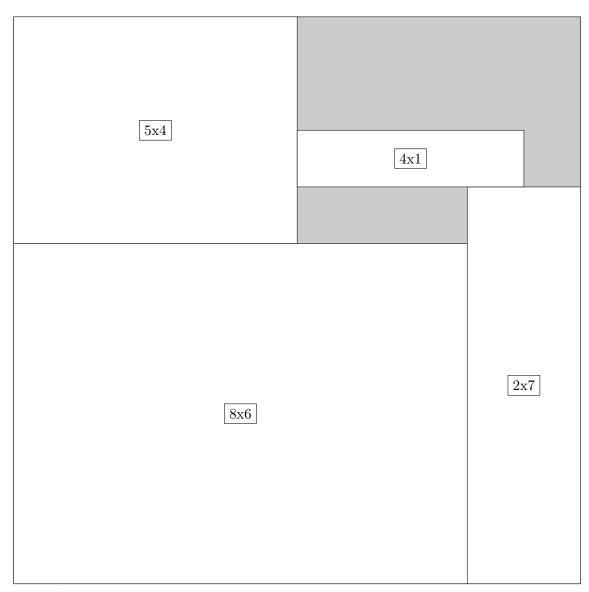
8x4	2x2
8x6	2x7

$$\mathbf{w}$$
 =8 , h =6 , x =0 , y =0 , v =48

$$\mathbf{w}$$
 =8 , h =4 , x =0 , y =6 , v =32

$$\mathbf{w}$$
 =2 , h =7 , x =8 , y =0 , v =14

$$\mathbf{w}$$
 =2 , h =2 , x =8 , y =7 , v =4



$$\le =8$$
 ,  $h$  =6 ,  $x$  =0 ,  $y$  =0 ,  $v$  =48

$$\mathbf{w}$$
 =5 , h =4 , x =0 , y =6 , v =20

$$\mathbf{w}$$
 =2 , h =7 , x =8 , y =0 , v =14

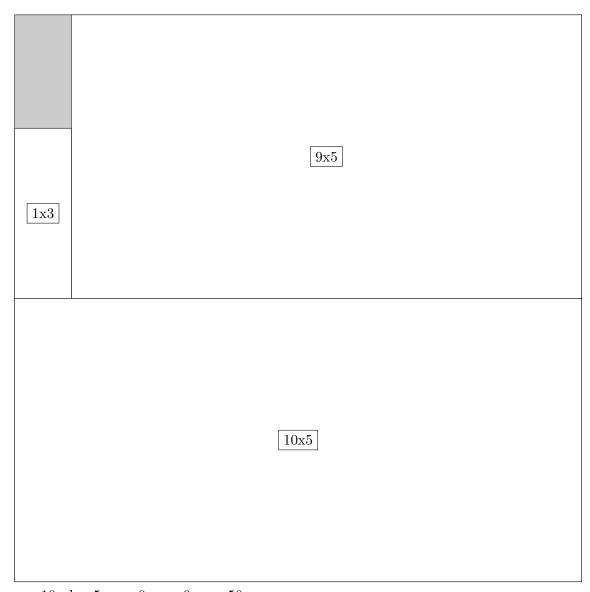
$$\mathbf{w}$$
 =4 , h =1 , x =5 , y =7 , v =4

2x2	2x4	6x4	
	6x6	4x6	

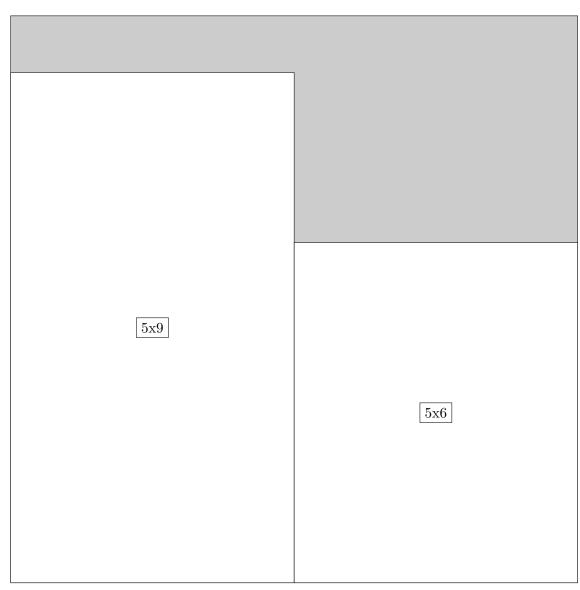
$$\begin{array}{l} w=6 \ , \ h=6 \ , \ x=0 \ , \ y=0 \ , \ v=36 \\ w=6 \ , \ h=4 \ , \ x=4 \ , \ y=6 \ , \ v=24 \\ w=4 \ , \ h=6 \ , \ x=6 \ , \ y=0 \ , \ v=24 \end{array}$$

$$w = 2$$
,  $h = 4$ ,  $x = 2$ ,  $y = 6$ ,  $v = 8$ 

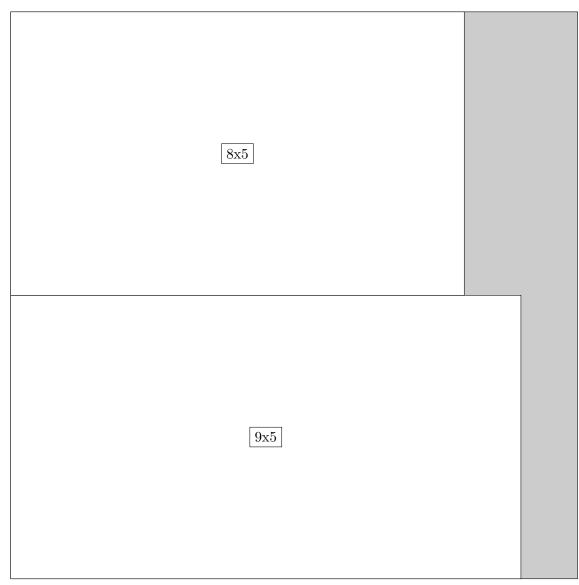
$$w = 2$$
,  $h = 2$ ,  $x = 0$ ,  $y = 6$ ,  $v = 4$ 

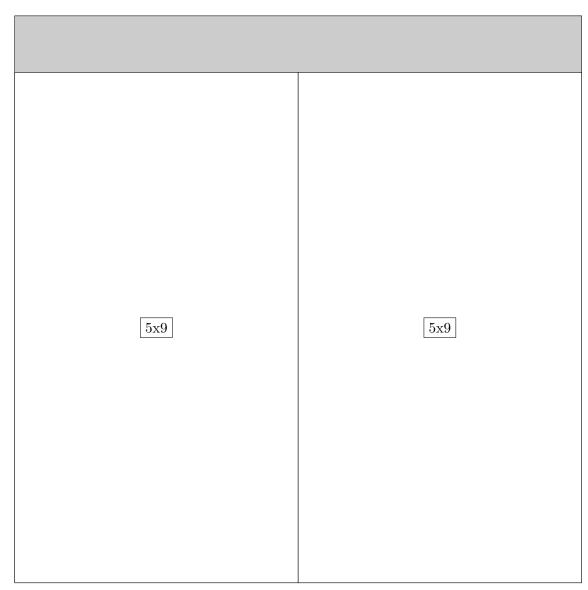


$$\begin{array}{l} w = \! 10 \ , \ h = \! 5 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 50 \\ w = \! 9 \ , \ h = \! 5 \ , \ x = \! 1 \ , \ y = \! 5 \ , \ v = \! 45 \\ w = \! 1 \ , \ h = \! 3 \ , \ x = \! 0 \ , \ y = \! 5 \ , \ v = \! 3 \end{array}$$

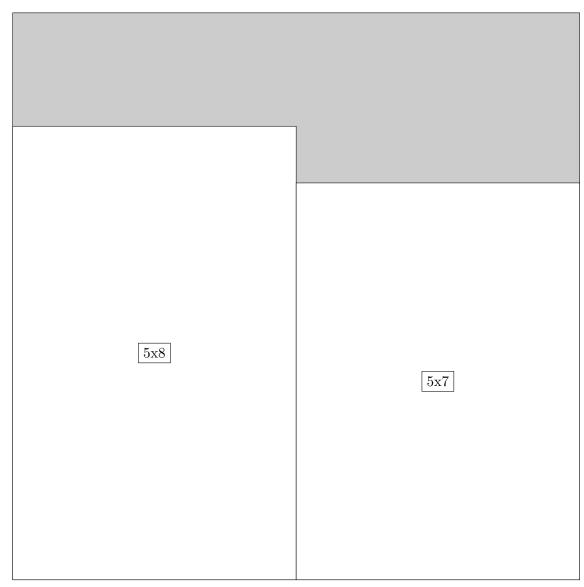


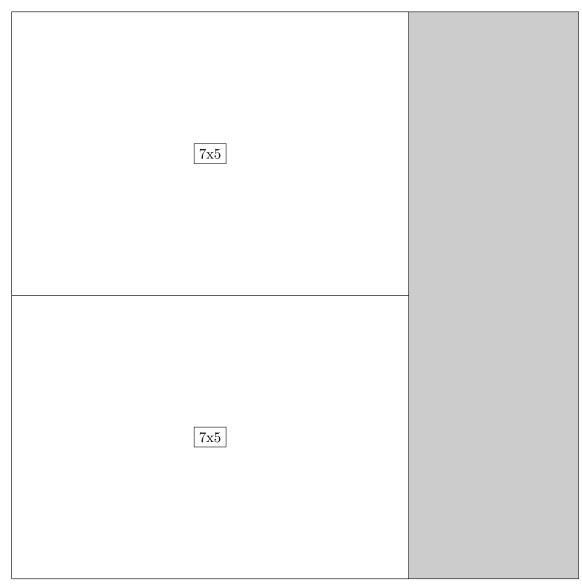
$$\begin{array}{l} w = 5 \ , \, h = 9 \ , \, x = 0 \ , \, y = 0 \ , \, v = \!\! 45 \\ w = \!\! 5 \ , \, h = \!\! 6 \ , \, x = \!\! 5 \ , \, y = \!\! 0 \ , \, v = \!\! 30 \end{array}$$

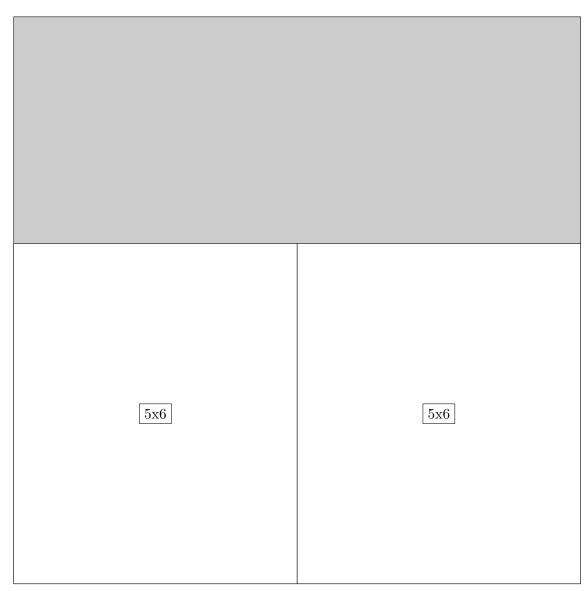




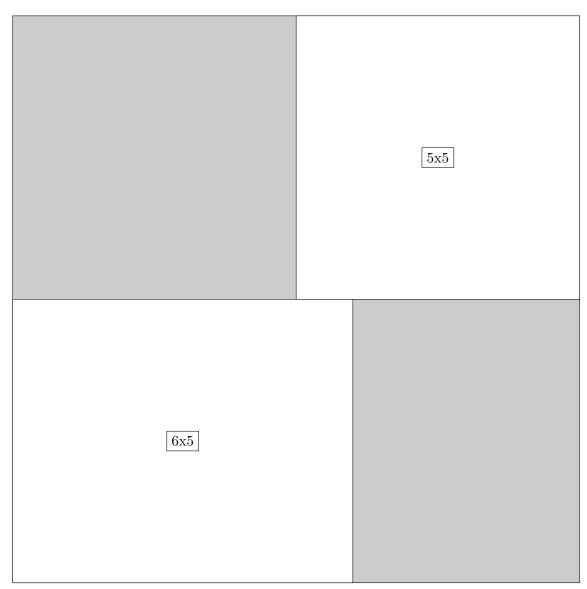
w =5, h =9, x =0, y =0, v =45 w =5, h =9, x =5, y =0, v =45







w =5, h =6, x =0, y =0, v =30 w =5, h =6, x =5, y =0, v =30



w =5, h =5, x =5, y =5, v =25 w =6, h =5, x =0, y =0, v =30