${\bf ClassName:}\ {\bf Class_01.2bp\text{-}36}$

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: $\underline{\mathbf{31}}$ LBWithCut: $\underline{\mathbf{31}}$ NodeCut: $\underline{\mathbf{0}}$

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

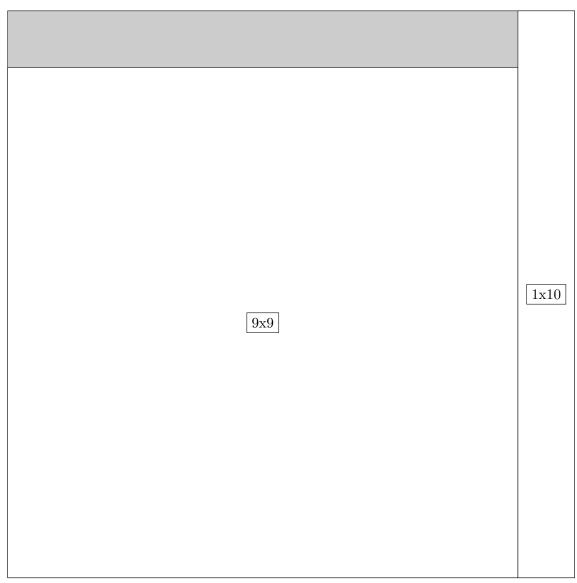
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{31}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

TimeOnInitSolution: 0.120 sTimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.245 s



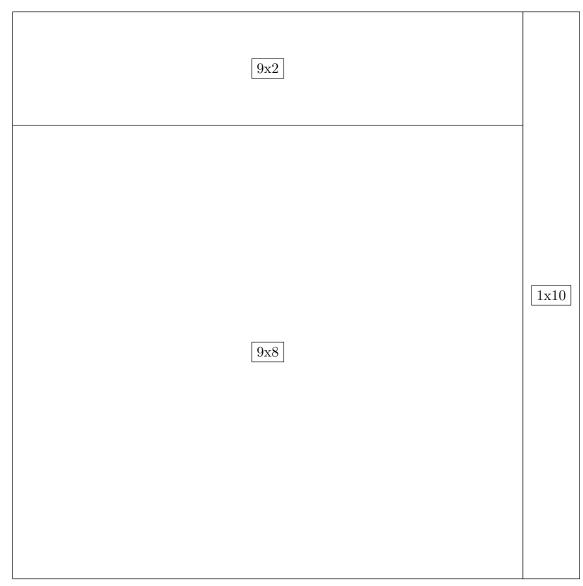
 \mathbf{w} =10 , h =10 , x =0 , y =0 , v =100



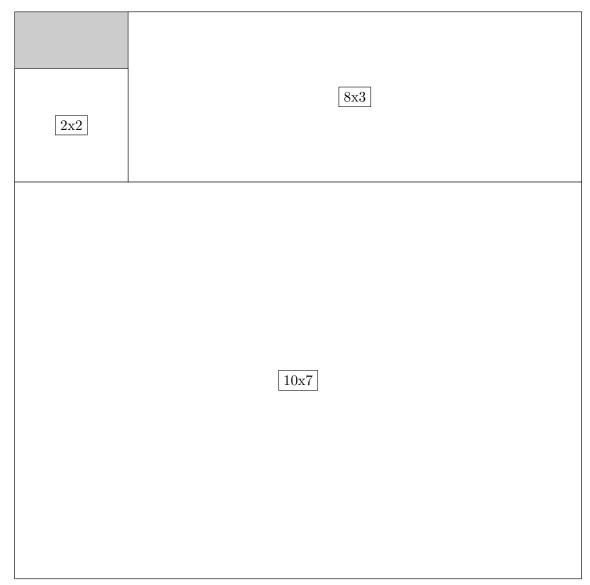
w =9, h =9, x =0, y =0, v =81 w =1, h =10, x =9, y =0, v =10



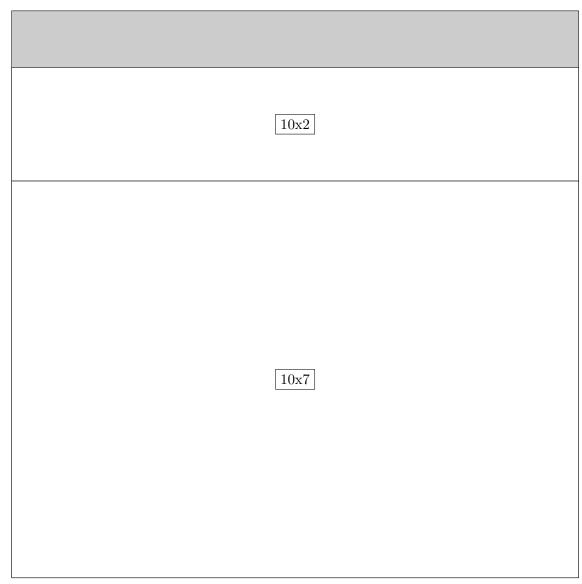




$$\begin{array}{l} w = 9 \ , \ h = 8 \ , \ x = 0 \ , \ y = 0 \ , \ v = 72 \\ w = 9 \ , \ h = 2 \ , \ x = 0 \ , \ y = 8 \ , \ v = 18 \\ w = 1 \ , \ h = 10 \ , \ x = 9 \ , \ y = 0 \ , \ v = 10 \end{array}$$



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



5x2	5x3
9x7	1x7

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

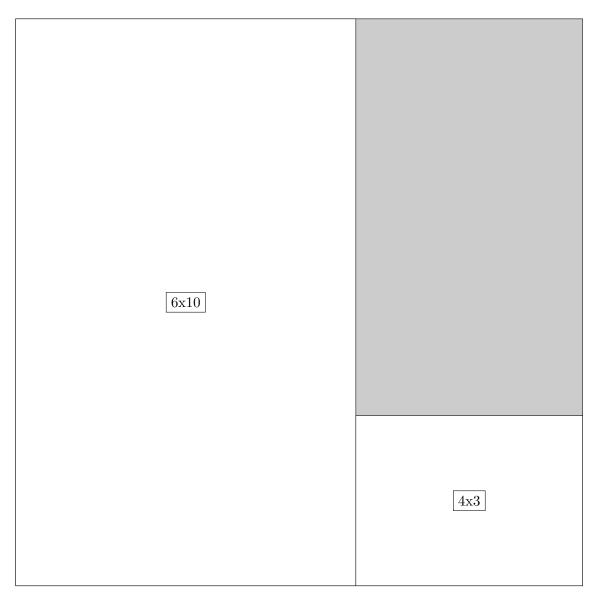
$$\mathbf{w}$$
 =5 , h =2 , x =0 , y =7 , v =
10

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

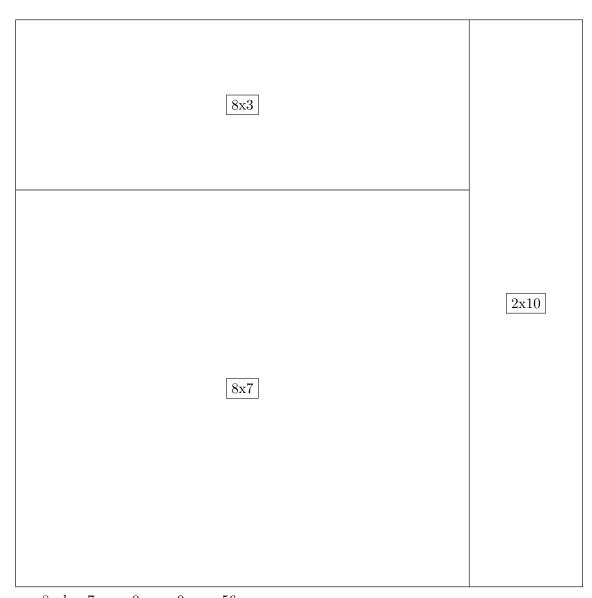
7x1	
7x9	3x10

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

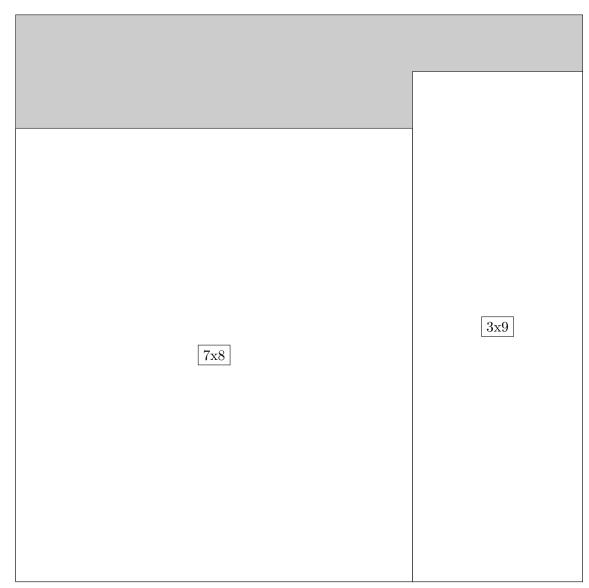




w =6, h =10, x =0, y =0, v =60 w =4, h =3, x =6, y =0, v =12



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



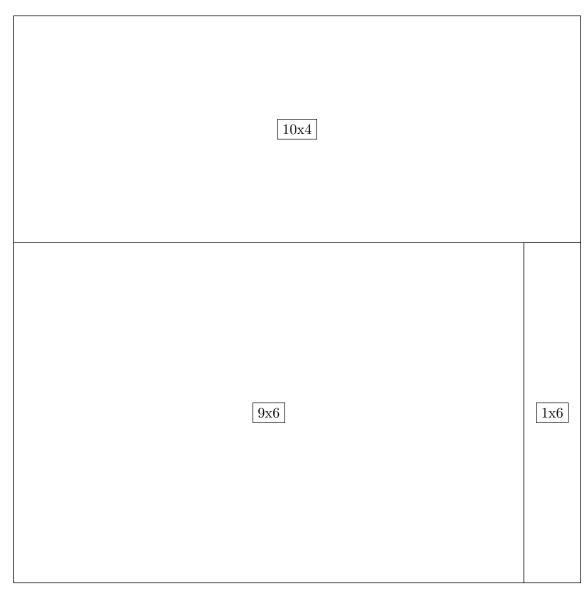
6x1	[3x4]
7x8	3x6

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

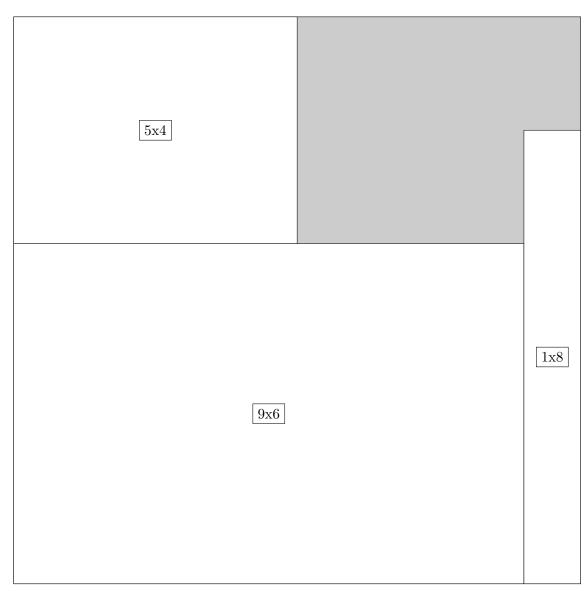
$$\mathbf{w}$$
 =3 , h =6 , x =7 , y =0 , v =18

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

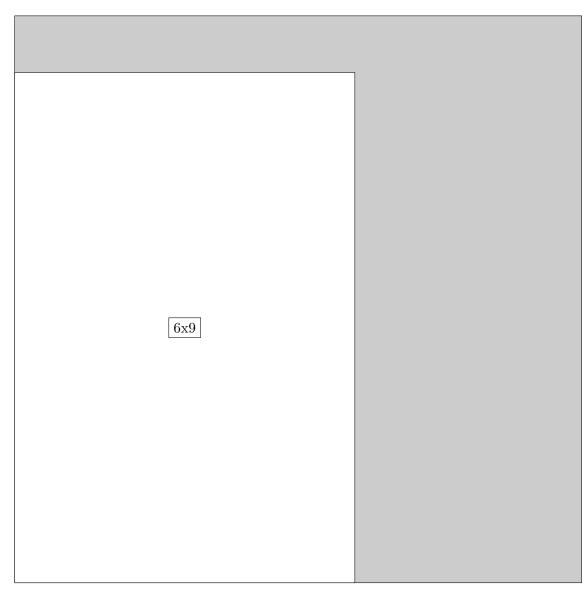
$$\mathbf{w}$$
 =6 , h =1 , x =0 , y =8 , v =6



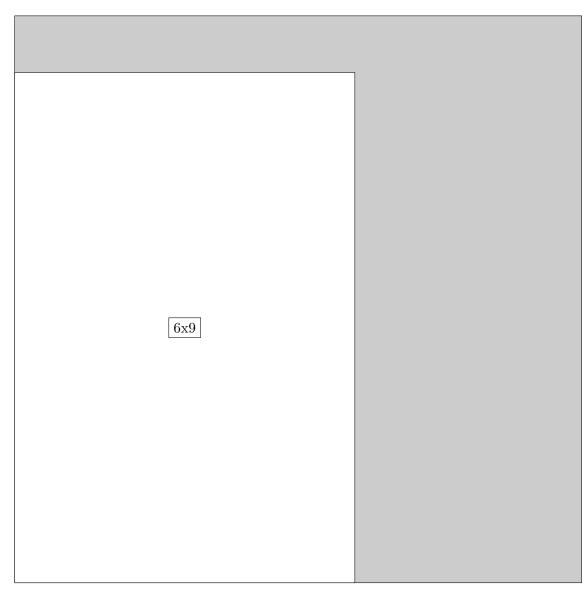
$$\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 54 \\ w = 10 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 40 \\ w = 1 \ , \ h = 6 \ , \ x = 9 \ , \ y = 0 \ , \ v = 6 \end{array}$$



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



 \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

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

 ≤ 3 , h =6 , x =7 , y =0 , v = 18

 \mathbf{w} =3 , h =1 , x =7 , y =6 , v =3

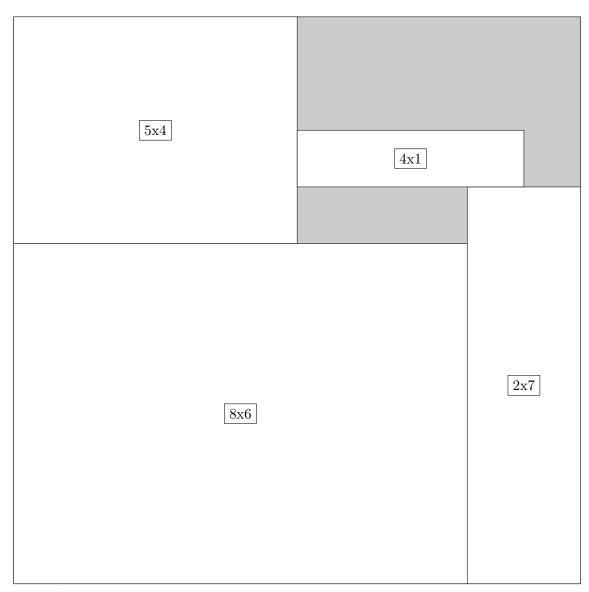
8x4	2x2
8x6	2x7

$$\mathbf{w}$$
 =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

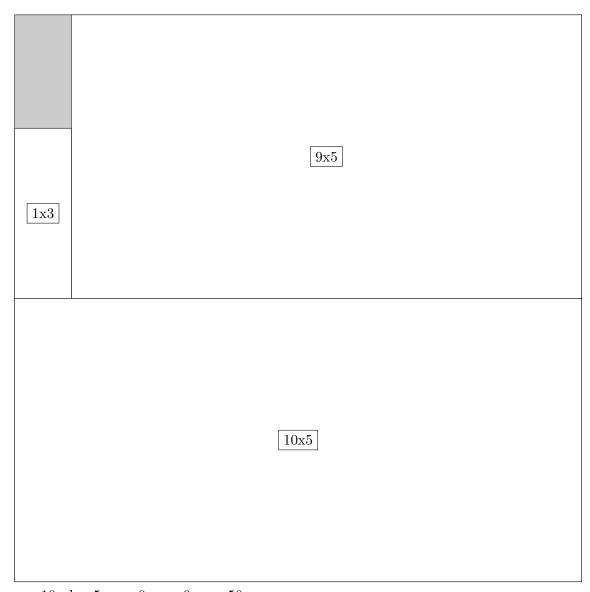
$$\mathbf{w}$$
 =4 , h =1 , x =5 , y =7 , v =4

2x2	2x4	6x4	
	6x6	4x6	

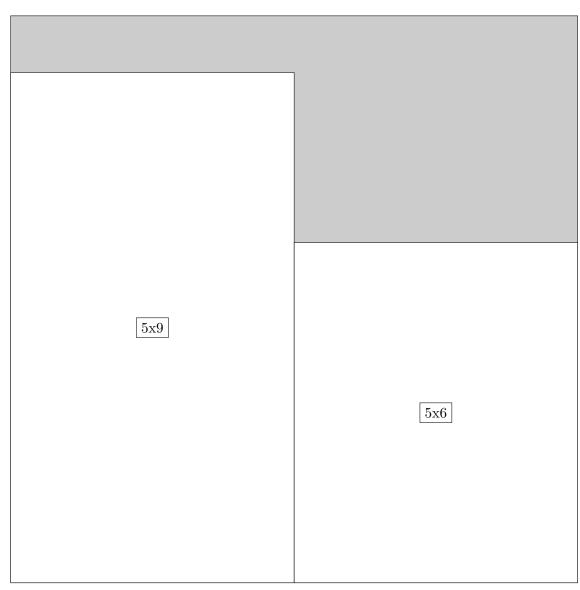
$$\begin{array}{l} w=6 \ , \ h=6 \ , \ x=0 \ , \ y=0 \ , \ v=36 \\ w=6 \ , \ h=4 \ , \ x=4 \ , \ y=6 \ , \ v=24 \\ w=4 \ , \ h=6 \ , \ x=6 \ , \ y=0 \ , \ v=24 \end{array}$$

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

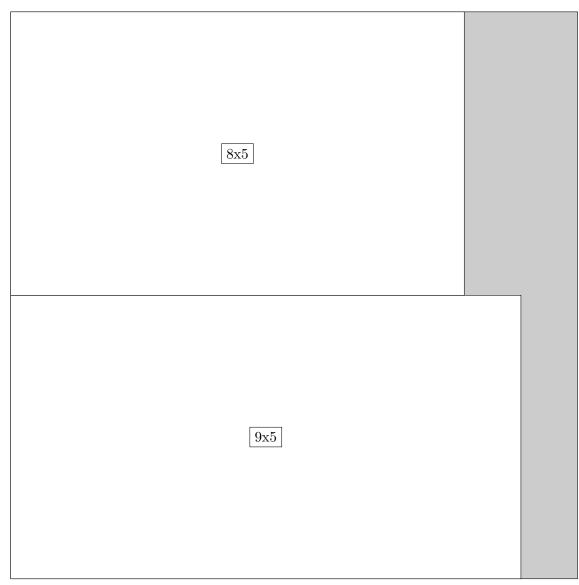
$$w = 2$$
, $h = 2$, $x = 0$, $y = 6$, $v = 4$

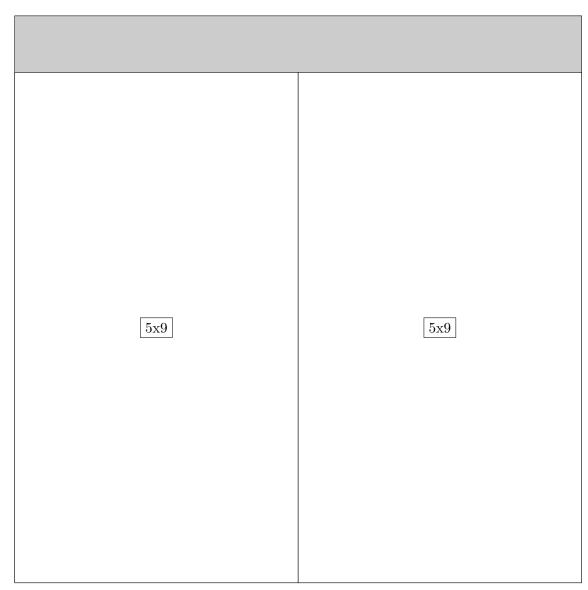


$$\begin{array}{l} w = \! 10 \ , \ h = \! 5 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 50 \\ w = \! 9 \ , \ h = \! 5 \ , \ x = \! 1 \ , \ y = \! 5 \ , \ v = \! 45 \\ w = \! 1 \ , \ h = \! 3 \ , \ x = \! 0 \ , \ y = \! 5 \ , \ v = \! 3 \end{array}$$

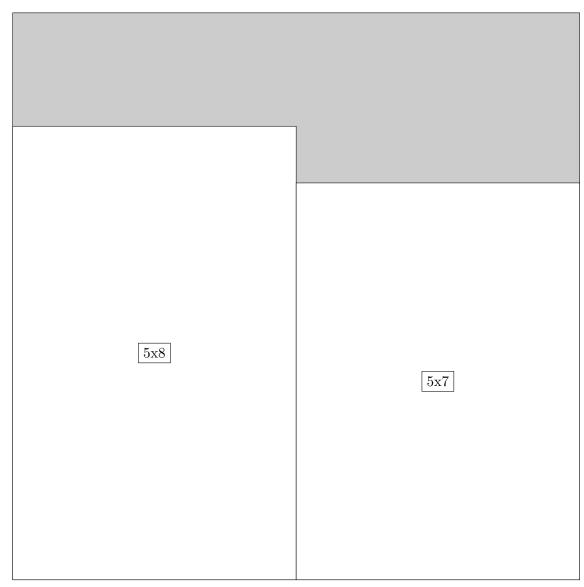


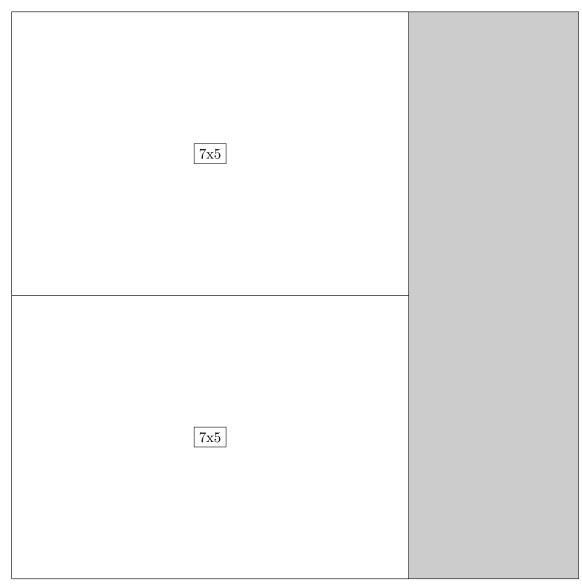
$$\begin{array}{l} w = 5 \ , \, h = 9 \ , \, x = 0 \ , \, y = 0 \ , \, v = \!\! 45 \\ w = \!\! 5 \ , \, h = \!\! 6 \ , \, x = \!\! 5 \ , \, y = \!\! 0 \ , \, v = \!\! 30 \end{array}$$

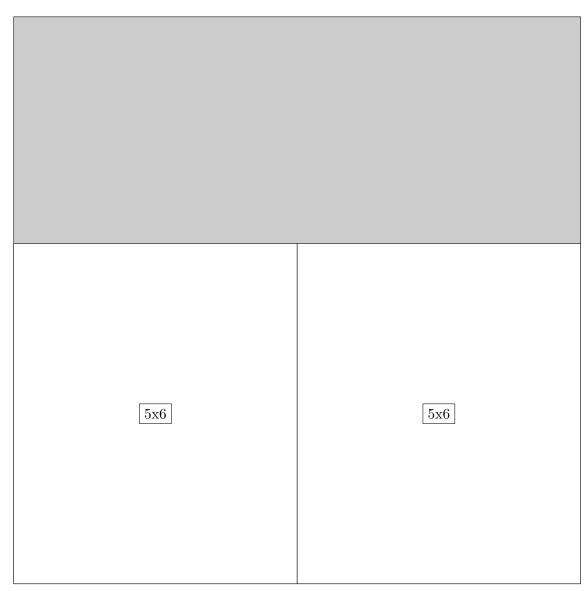




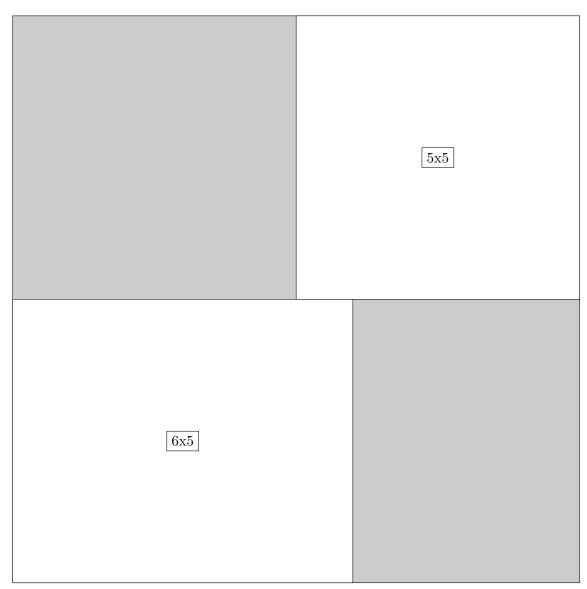
w =5, h =9, x =0, y =0, v =45 w =5, h =9, x =5, y =0, v =45







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