${\bf ClassName:}\ {\bf Class\_01.2bp\text{-}17}$ 

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

TypeNum: <u>35</u> Num: <u>40</u> OutS: <u>1900</u> InS: <u>1454</u> Rate: <u>0.765</u> UB: <u>19</u> LB0: <u>19</u> LB: <u>19</u>

LBWithCut:  $\underline{\mathbf{19}}$ NodeCut:  $\underline{\mathbf{0}}$ 

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

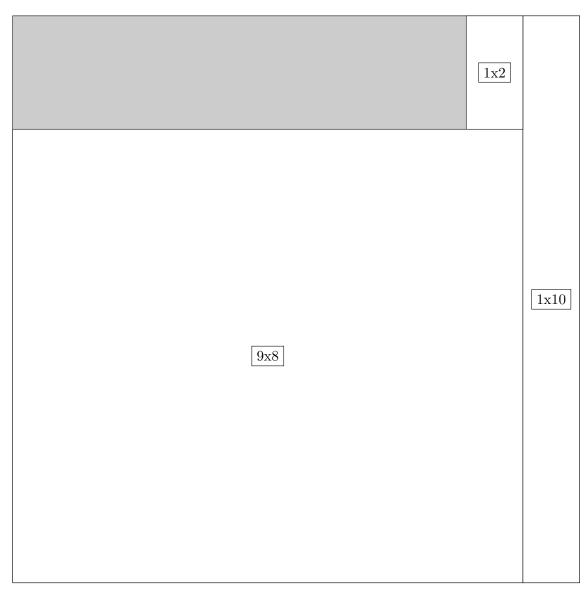
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{19}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

isOpt: **true** 

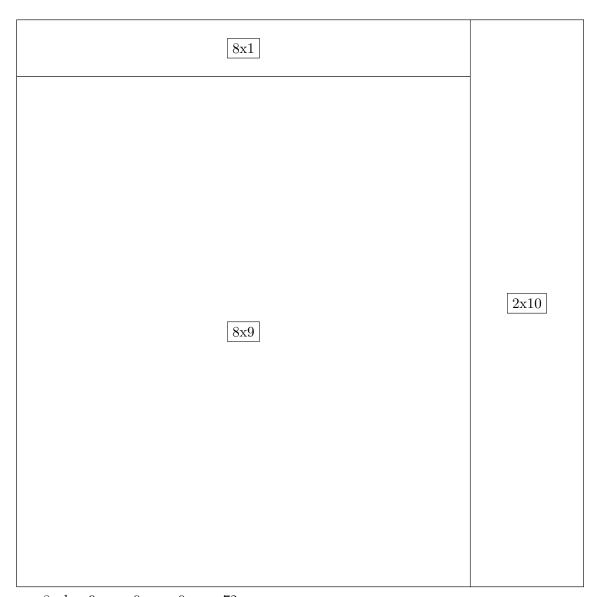
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.000 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.062 \ s} \\ {\rm TotalTime:} \ \underline{0.157 \ s} \end{array}$ 







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



 $\mathbf{w}$  =8 , h =9 , x =0 , y =0 , v =72

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

 $\mathbf{w}$  =8 , h =1 , x =0 , y =9 , v =8

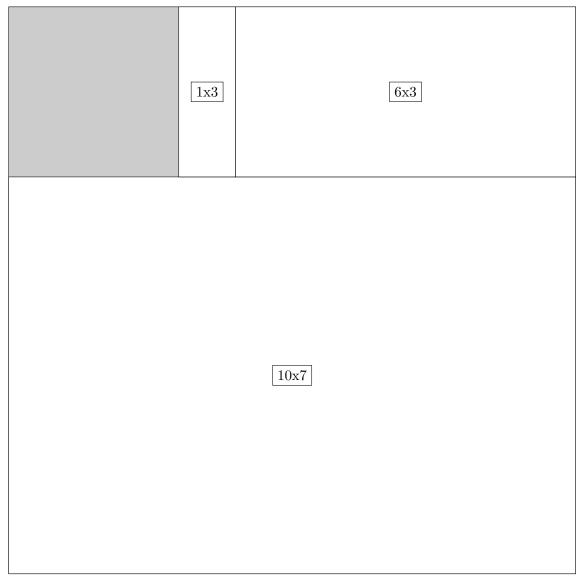
	2x1
	2x3
8x9	
	2x6

w=8 , h=9 , x=0 , y=0 , v=72

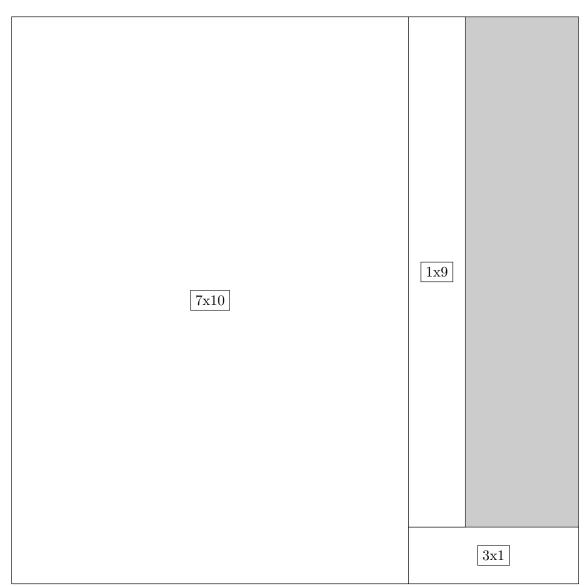
 $\le =2$  , h =6 , x =8 , y =0 , v =12

 $\le = 2$  , h = 3 , x = 8 , y = 6 , v = 6

 $\mathbf{w}$  =2 , h =1 , x =8 , y =9 , v =2



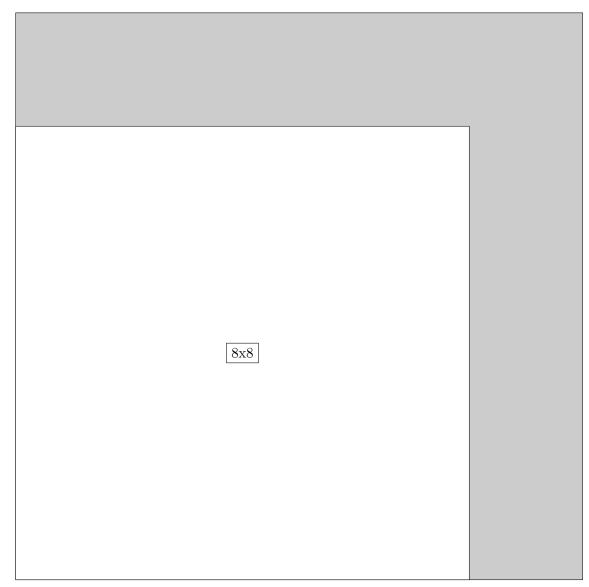
 $\begin{array}{l} w = & 10 \ , \ h = & 7 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 70 \\ w = & 6 \ , \ h = & 3 \ , \ x = & 4 \ , \ y = & 7 \ , \ v = & 18 \\ w = & 1 \ , \ h = & 3 \ , \ x = & 3 \ , \ y = & 7 \ , \ v = & 3 \end{array}$ 



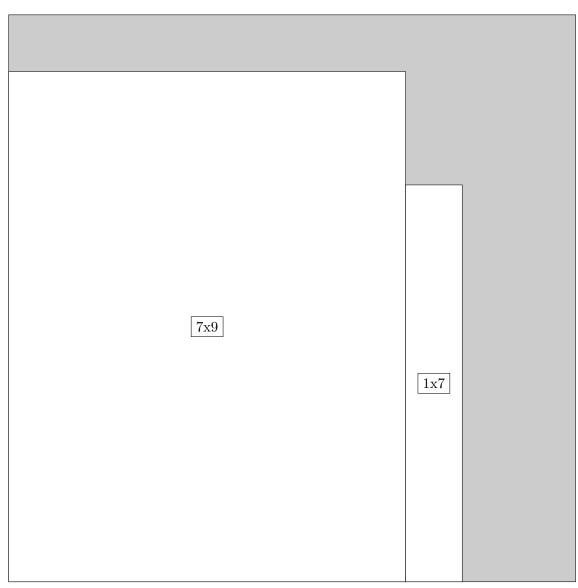
 $\mathbf{w}$  =7 , h =10 , x =0 , y =0 , v =70

 $\le 3$  , h =1 , x =7 , y =0 , v =3

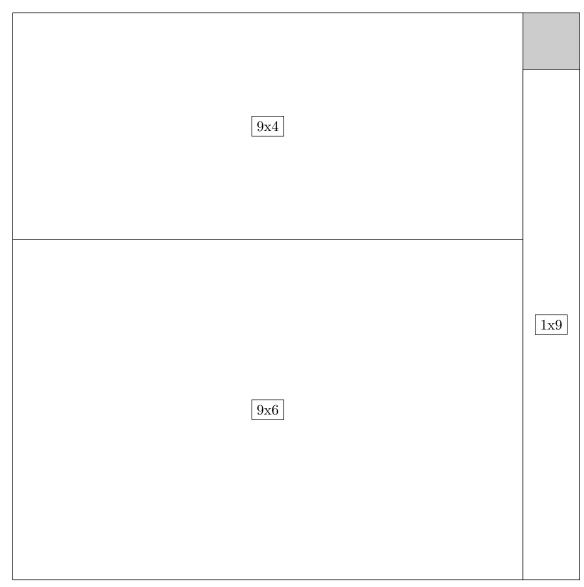
 $\mathbf{w}$  =1 , h =9 , x =7 , y =1 , v =9



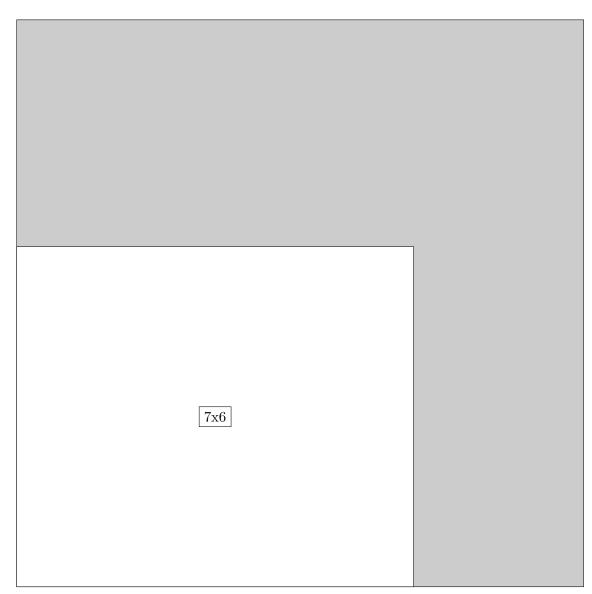
 $\mathbf{w}$  =8 , h =8 , x =0 , y =0 , v =64



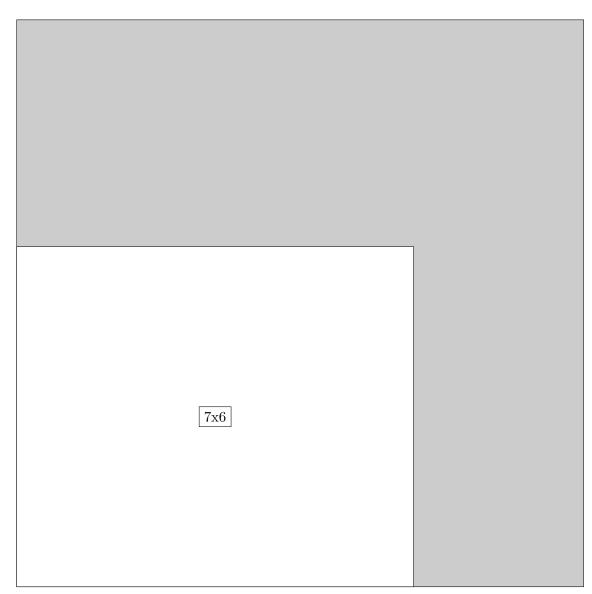




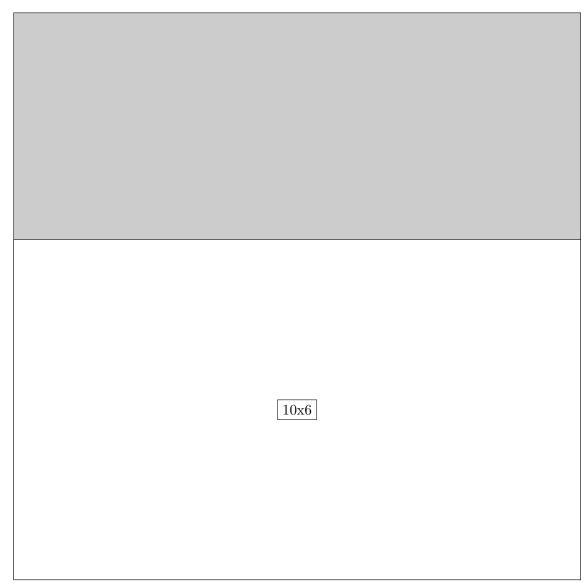
$$\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 54 \\ w = 9 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 36 \\ w = 1 \ , \ h = 9 \ , \ x = 9 \ , \ y = 0 \ , \ v = 9 \end{array}$$



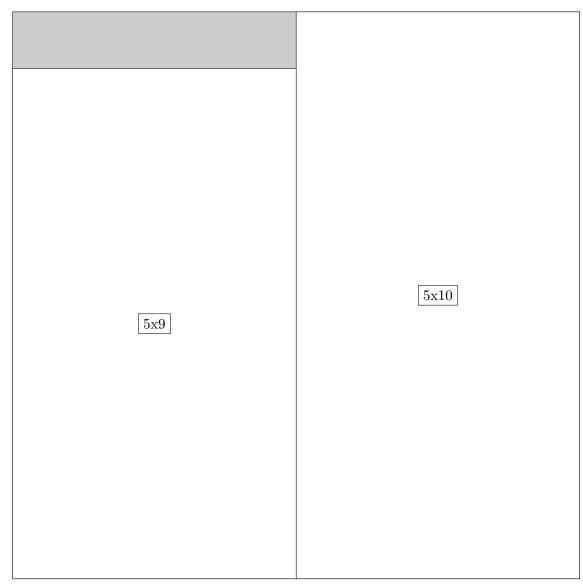
 $\mathbf{w}$  =7 , h =6 , x =0 , y =0 , v =42



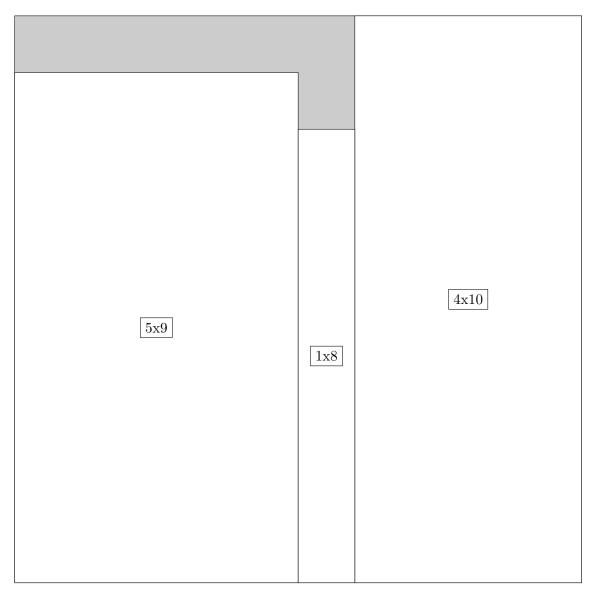
 $\mathbf{w}$  =7 , h =6 , x =0 , y =0 , v =42



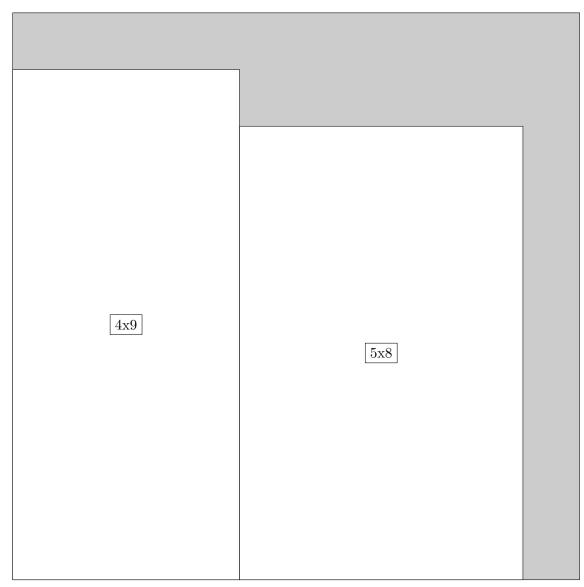
w = 10, h = 6, x = 0, y = 0, v = 60

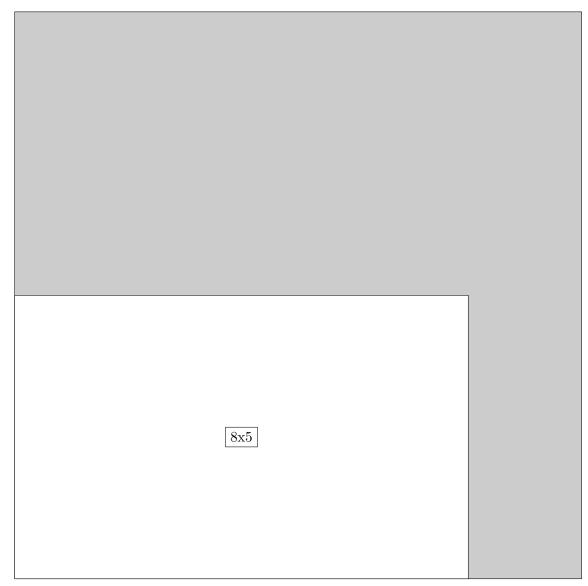


w =5, h =10, x =5, y =0, v =50 w =5, h =9, x =0, y =0, v =45

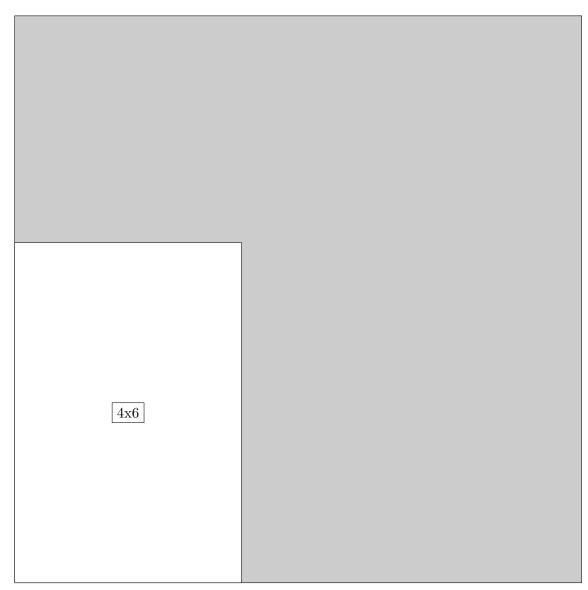


 $\begin{array}{l} w = \! 5 \ , \ h = \! 9 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 45 \\ w = \! 4 \ , \ h = \! 10 \ , \ x = \! 6 \ , \ y = \! 0 \ , \ v = \! 40 \\ w = \! 1 \ , \ h = \! 8 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 8 \end{array}$ 





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



 $\mathbf{w}$  =4 , h =6 , x =0 , y =0 , v =24