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

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

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

TimeOnInitSolution:  $\underline{600.000 \text{ s}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.328 s

1x9	$\boxed{4\mathrm{x}10}$	5x10

 $\begin{array}{l} w = 5 \ , \ h = 10 \ , \ x = 5 \ , \ y = 0 \ , \ v = 50 \\ w = 4 \ , \ h = 10 \ , \ x = 1 \ , \ y = 0 \ , \ v = 40 \\ w = 1 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 9 \end{array}$ 

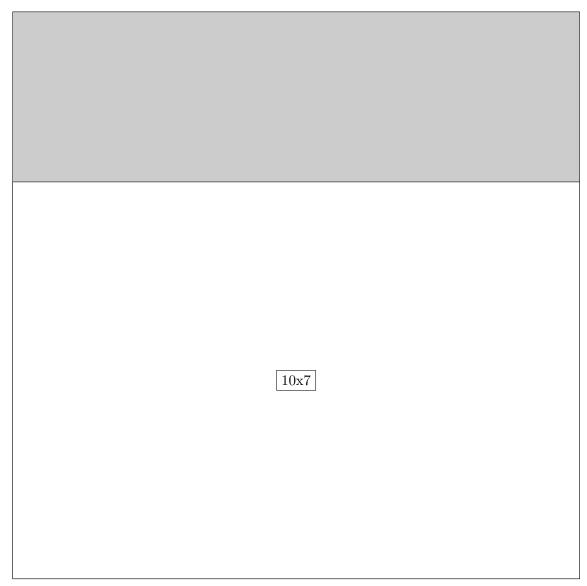


1x9	2x10	[7x10]	

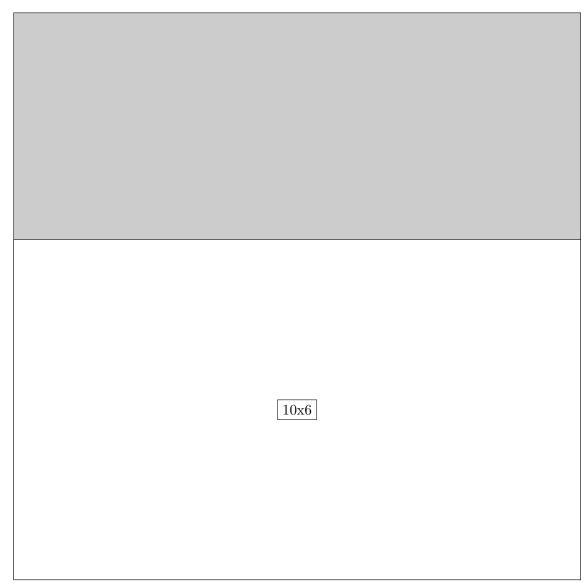
 $\begin{array}{l} w = 7 \ , \ h = 10 \ , \ x = 3 \ , \ y = 0 \ , \ v = 70 \\ w = 2 \ , \ h = 10 \ , \ x = 1 \ , \ y = 0 \ , \ v = 20 \\ w = 1 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 9 \end{array}$ 







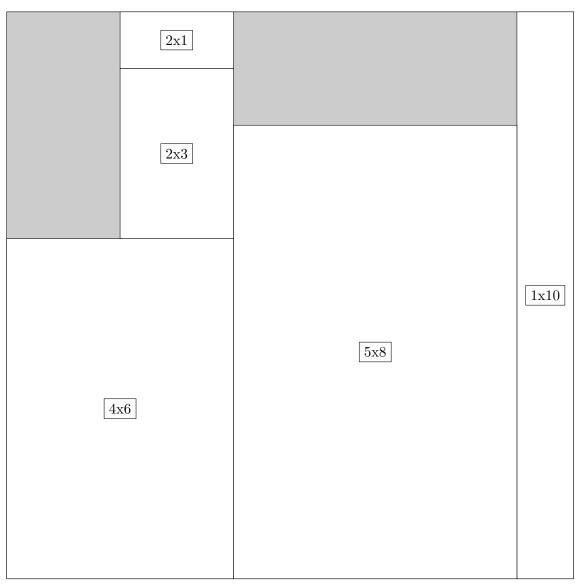
w = 10, h = 7, x = 0, y = 0, v = 70



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



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



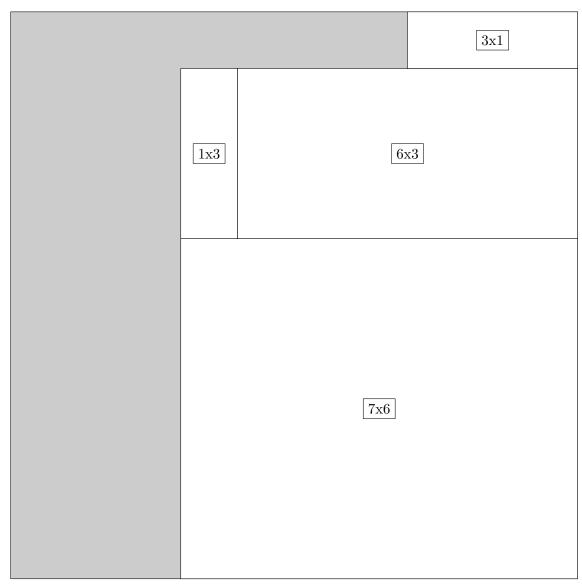
$$w = 1$$
,  $h = 10$ ,  $x = 9$ ,  $y = 0$ ,  $v = 10$ 

$$w$$
 =5 , h =8 , x =4 , y =0 , v =40

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

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

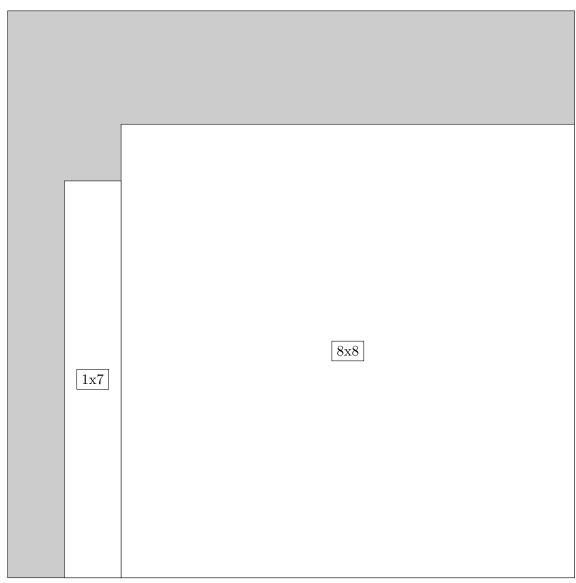
$$w=2$$
,  $h=1$ ,  $x=2$ ,  $y=9$ ,  $v=2$ 

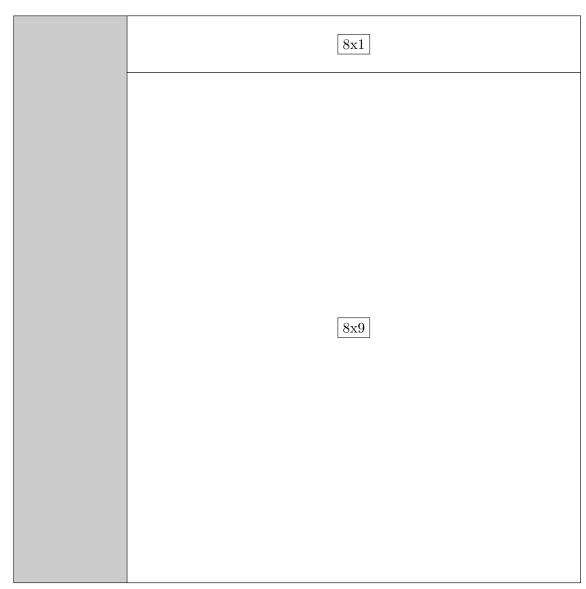


$$\mathbf{w}$$
 =7 , h =6 , x =3 , y =0 , v =42

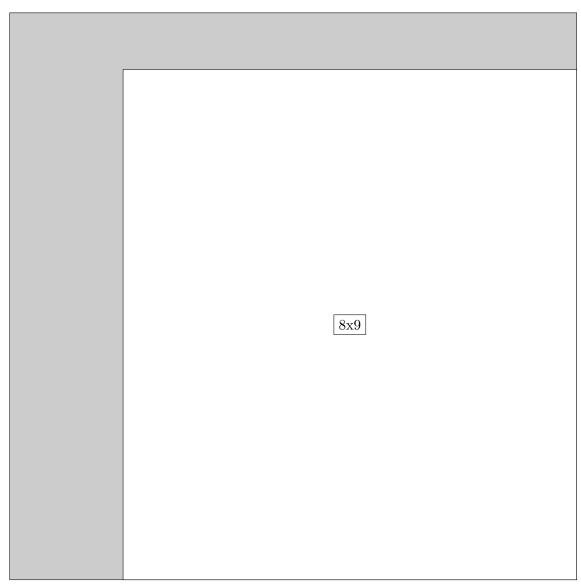
$$\mathbf{w}$$
 =6 , h =3 , x =4 , y =6 , v =18

$$\le =1$$
 , h =3 , x =3 , y =6 , v =3

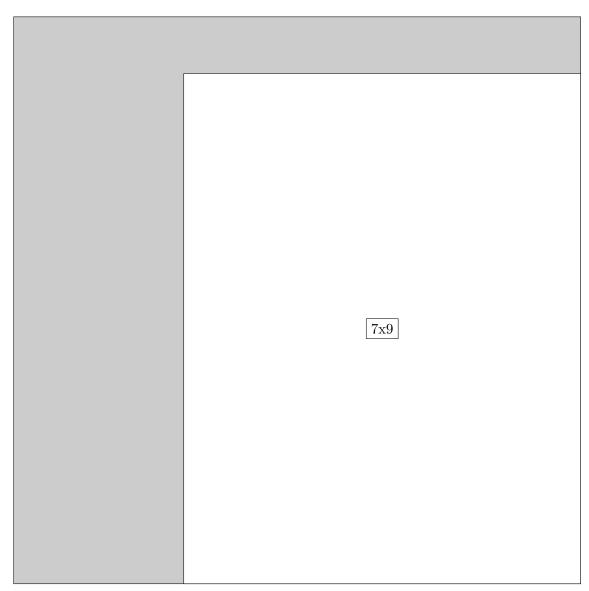




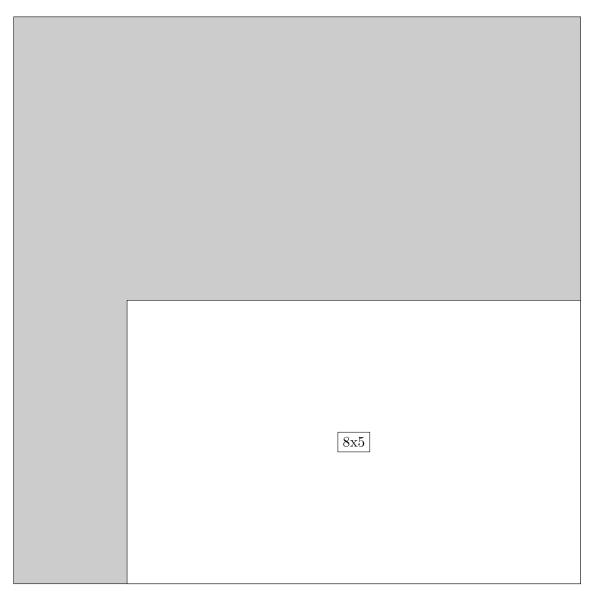
$$\begin{array}{l} w = 8 \ , \, h = 9 \ , \, x = 2 \ , \, y = 0 \ , \, v = 72 \\ w = 8 \ , \, h = 1 \ , \, x = 2 \ , \, y = 9 \ , \, v = 8 \end{array}$$



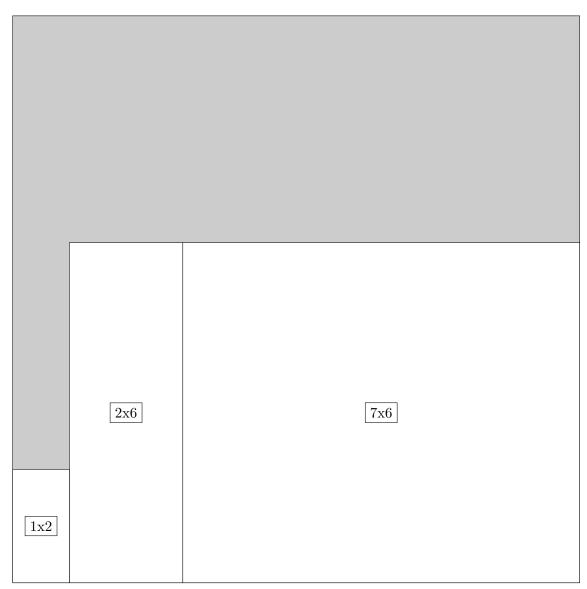
 $\mathbf{w}$  =8 , h =9 , x =2 , y =0 , v =72



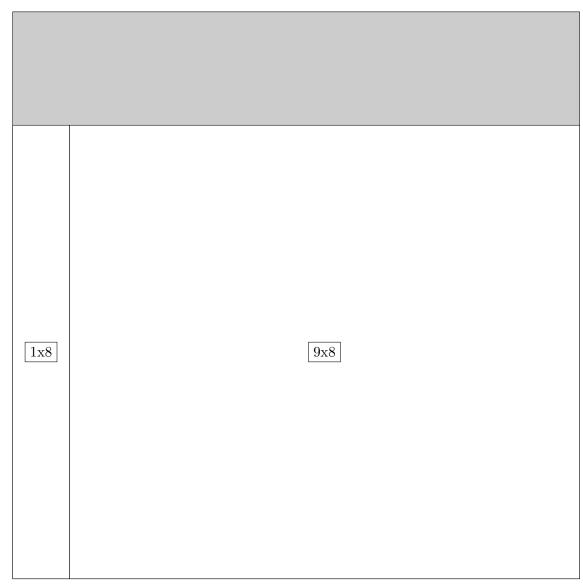
 $\mathbf{w}$  =7 , h =9 , x =3 , y =0 , v =63



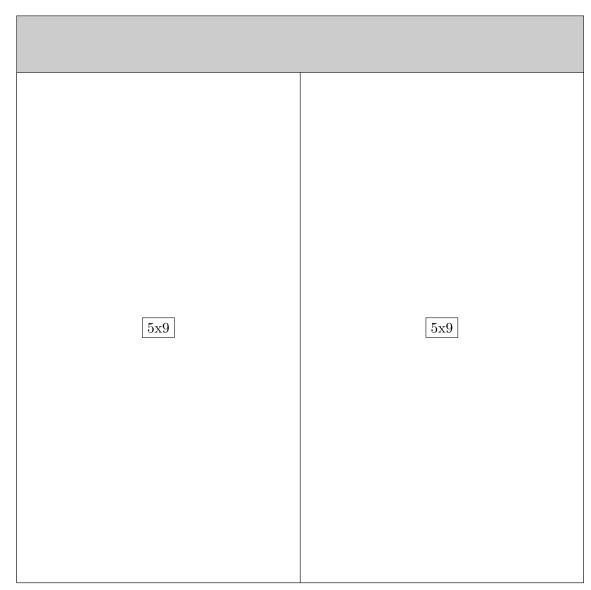
 $\mathbf{w}$  =8 , h =5 , x =2 , y =0 , v =40



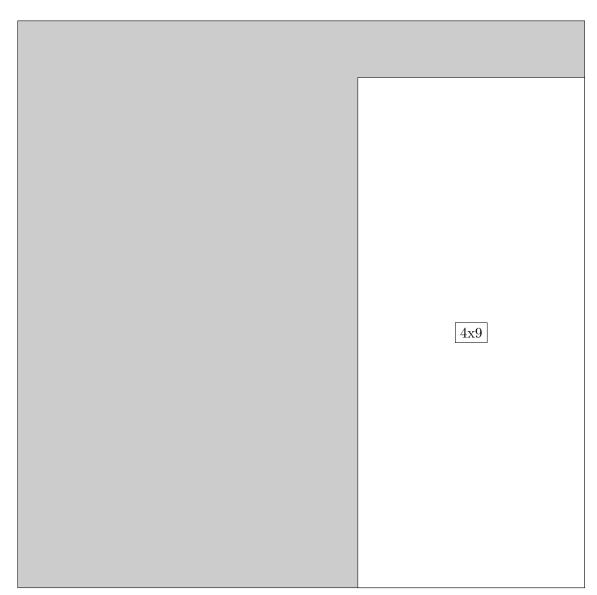
 $\begin{array}{l} w = 7 \ , \ h = 6 \ , \ x = 3 \ , \ y = 0 \ , \ v = 42 \\ w = 2 \ , \ h = 6 \ , \ x = 1 \ , \ y = 0 \ , \ v = 12 \\ w = 1 \ , \ h = 2 \ , \ x = 0 \ , \ y = 0 \ , \ v = 2 \end{array}$ 



w =9, h =8, x =1, y =0, v =72 w =1, h =8, x =0, y =0, v =8



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



 $\le=4$  , h =9 , x =6 , y =0 , v =36