${\bf ClassName:}~{\bf Class_01.2bp\text{-}12}$

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

TypeNum: <u>32</u> Num: <u>40</u> OutS: <u>1700</u> InS: <u>1390</u> Rate: <u>0.818</u> UB: <u>17</u> LB0: <u>16</u> LB: <u>17</u>

LBWithCut: $\underline{17}$ NodeCut: $\underline{0}$

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

GenNodeCnt: $\underline{1}$ PrimalNode: $\underline{0}$ ColumnCount: $\underline{34}$ TotalCutCount: $\underline{0}$ RootCutCount: $\underline{0}$ LPSolverCnt: $\underline{18}$ PricingSolverCnt: $\underline{18}$ BranchAndBoundNum: $\underline{1}$

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

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.032 sTimeOnRmp: 0.110 sTotalTime: 600.407 s

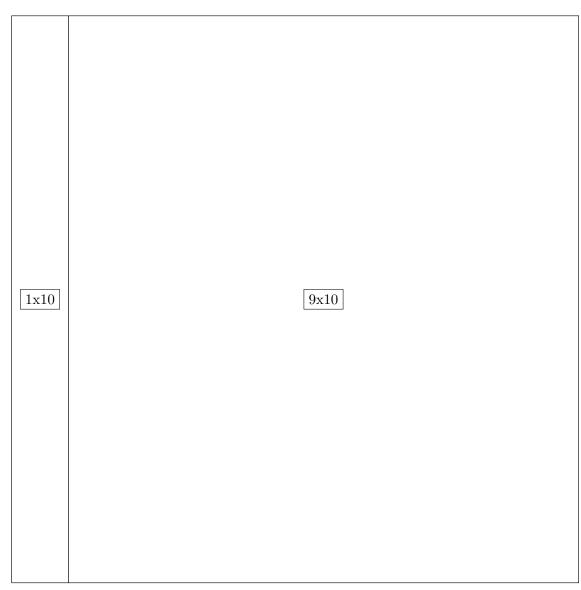


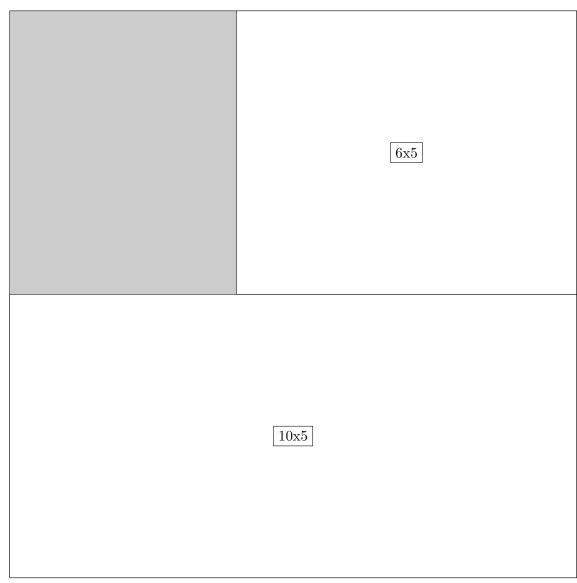


 \mathbf{w} =10 , h =10 , x =0 , y =0 , v =100

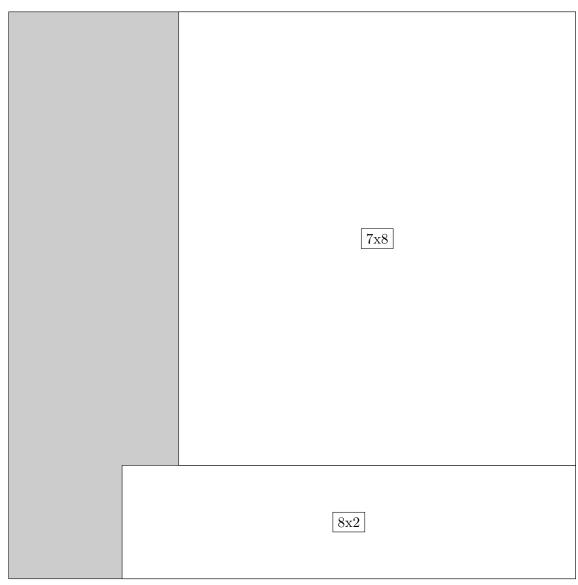


 \mathbf{w} =10 , h =10 , x =0 , y =0 , v =100





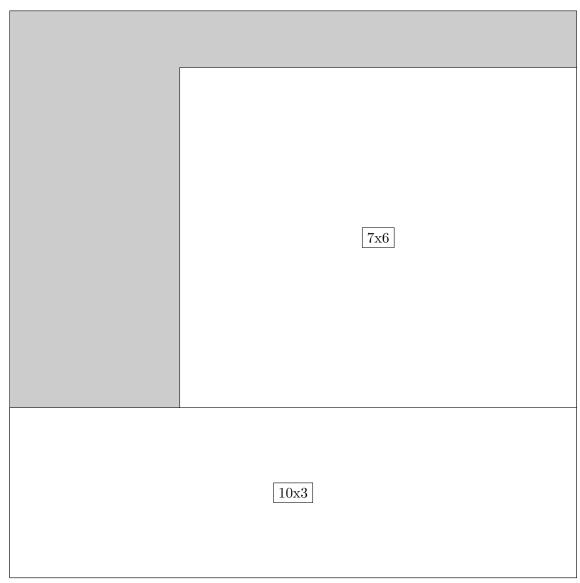
 $\begin{array}{l} w = & 10 \ , \ h = & 5 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 50 \\ w = & 6 \ , \ h = & 5 \ , \ x = & 4 \ , \ y = & 5 \ , \ v = & 30 \end{array}$



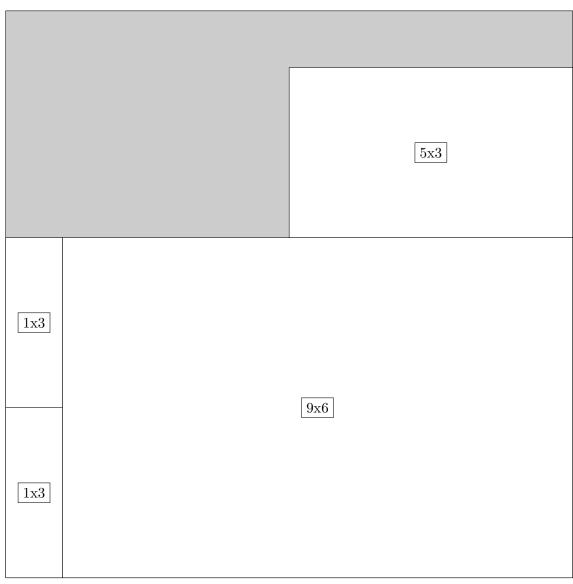
$$\begin{array}{l} w = 8 \ , \, h = 2 \ , \, x = 2 \ , \, y = 0 \ , \, v = 16 \\ w = 7 \ , \, h = 8 \ , \, x = 3 \ , \, y = 2 \ , \, v = 56 \end{array}$$

	5x1
5x4	
5x5	5x9

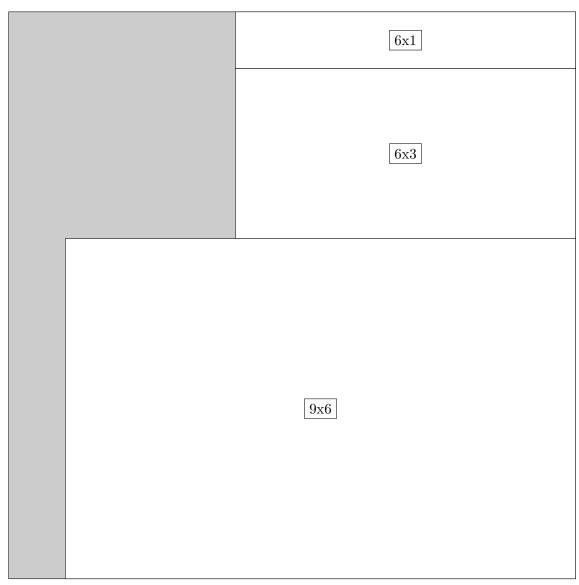
 $\begin{array}{l} w = 5 \ , \ h = 9 \ , \ x = 5 \ , \ y = 0 \ , \ v = 45 \\ w = 5 \ , \ h = 1 \ , \ x = 5 \ , \ y = 9 \ , \ v = 5 \\ w = 5 \ , \ h = 5 \ , \ x = 0 \ , \ y = 0 \ , \ v = 25 \\ w = 5 \ , \ h = 4 \ , \ x = 0 \ , \ y = 5 \ , \ v = 20 \end{array}$



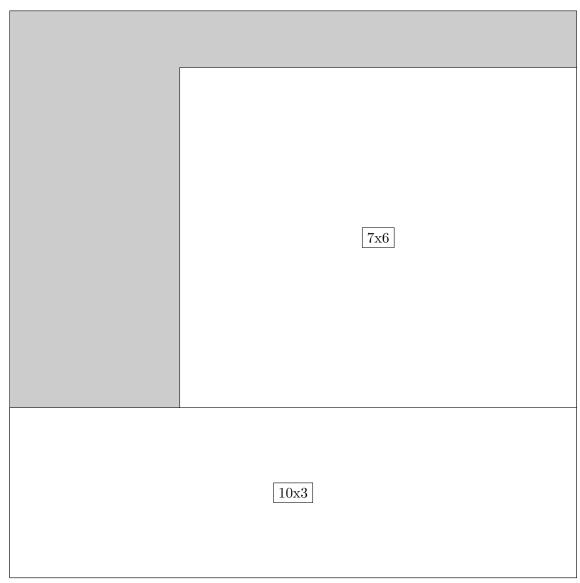
$$\begin{array}{l} w = & 10 \ , \ h = & 3 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 30 \\ w = & 7 \ , \ h = & 6 \ , \ x = & 3 \ , \ y = & 3 \ , \ v = & 42 \end{array}$$



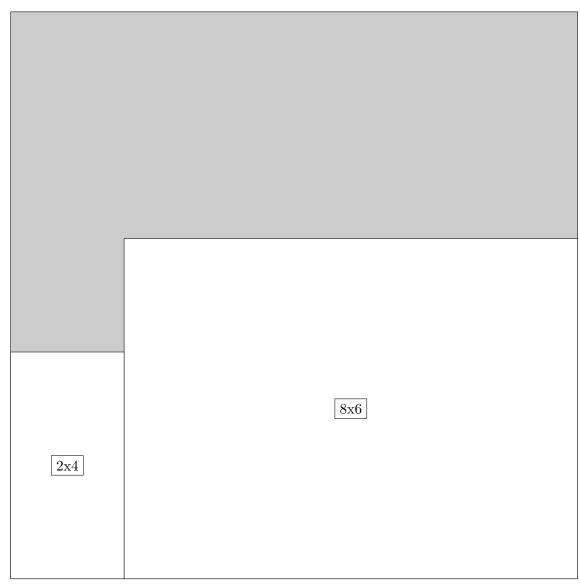
$$\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 1 \ , \ y = 0 \ , \ v = 54 \\ w = 1 \ , \ h = 3 \ , \ x = 0 \ , \ y = 0 \ , \ v = 3 \\ w = 1 \ , \ h = 3 \ , \ x = 0 \ , \ y = 3 \ , \ v = 3 \\ w = 5 \ , \ h = 3 \ , \ x = 5 \ , \ y = 6 \ , \ v = 15 \end{array}$$



$$\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 1 \ , \ y = 0 \ , \ v = 54 \\ w = 6 \ , \ h = 3 \ , \ x = 4 \ , \ y = 6 \ , \ v = 18 \\ w = 6 \ , \ h = 1 \ , \ x = 4 \ , \ y = 9 \ , \ v = 6 \end{array}$$

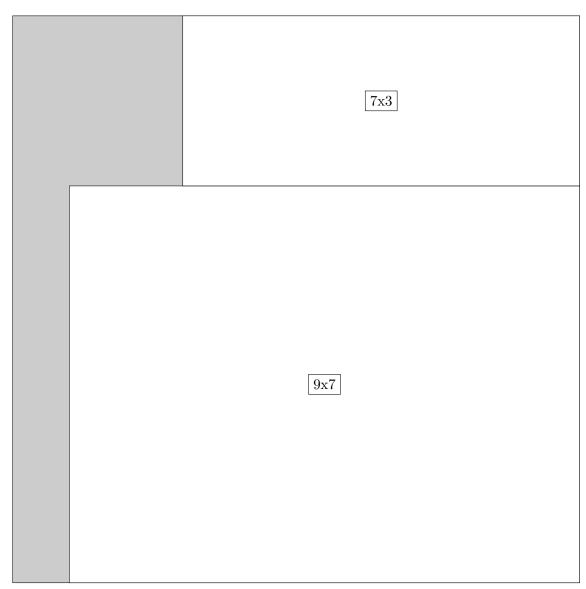


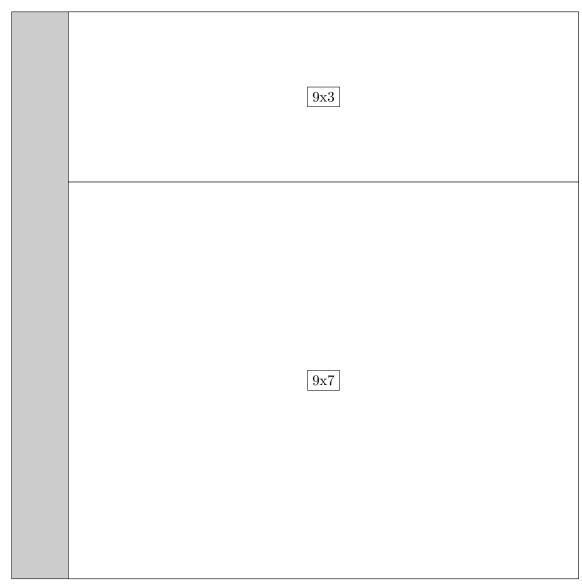
$$\begin{array}{l} w = & 10 \ , \ h = & 3 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 30 \\ w = & 7 \ , \ h = & 6 \ , \ x = & 3 \ , \ y = & 3 \ , \ v = & 42 \end{array}$$



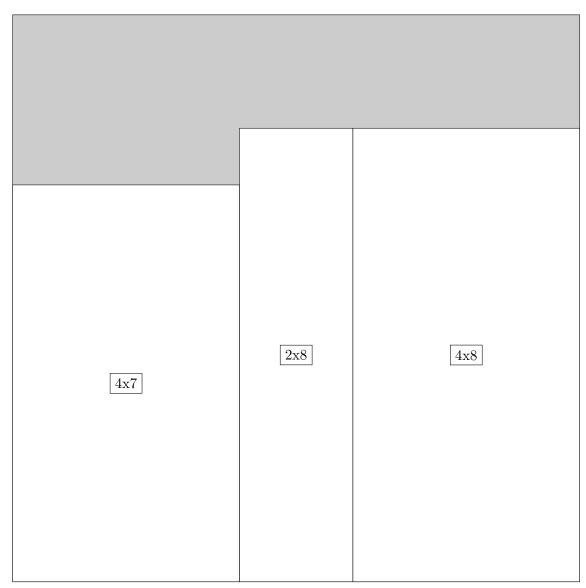
[3x2]	7x2
2x8	8x8

$$\begin{array}{l} w=8 \ , \ h=8 \ , \ x=2 \ , \ y=0 \ , \ v=64 \\ w=2 \ , \ h=8 \ , \ x=0 \ , \ y=0 \ , \ v=16 \\ w=7 \ , \ h=2 \ , \ x=3 \ , \ y=8 \ , \ v=14 \\ w=3 \ , \ h=2 \ , \ x=0 \ , \ y=8 \ , \ v=6 \end{array}$$



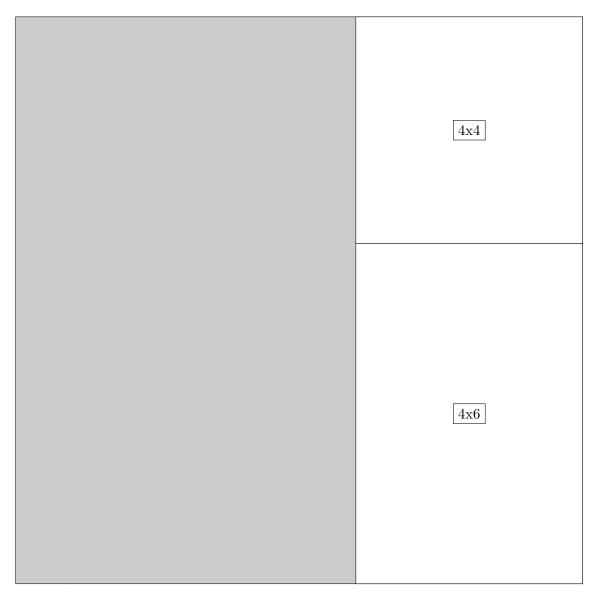


$$\begin{array}{c} w = 9 \ , \ h = 7 \ , \ x = 1 \ , \ y = 0 \ , \ v = 63 \\ w = 9 \ , \ h = 3 \ , \ x = 1 \ , \ y = 7 \ , \ v = 27 \end{array}$$



 $\begin{array}{l} w = \! 4 \ , \ h = \! 8 \ , \ x = \! 6 \ , \ y = \! 0 \ , \ v = \! 32 \\ w = \! 2 \ , \ h = \! 8 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 16 \end{array}$

 \mathbf{w} =4 , h =7 , x =0 , y =0 , v =28



$$\begin{array}{c} w = 4 \ , \ h = 6 \ , \ x = 6 \ , \ y = 0 \ , \ v = 24 \\ w = 4 \ , \ h = 4 \ , \ x = 6 \ , \ y = 6 \ , \ v = 16 \end{array}$$