${\bf ClassName:}~{\bf Class_01.2bp\text{-}20}$

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

TypeNum: <u>43</u> Num: <u>60</u> OutS: <u>2300</u> InS: <u>2007</u> Rate: <u>0.873</u> UB: <u>23</u> LB0: <u>23</u> LB: <u>23</u>

LBWithCut: $\underline{\mathbf{23}}$ NodeCut: $\underline{\mathbf{0}}$

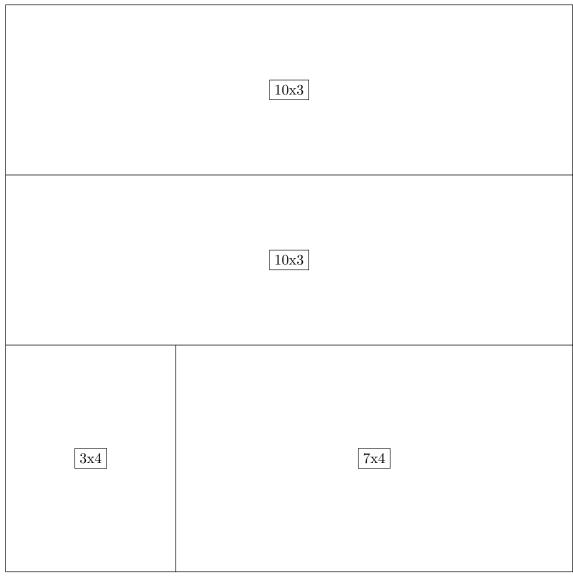
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{23}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

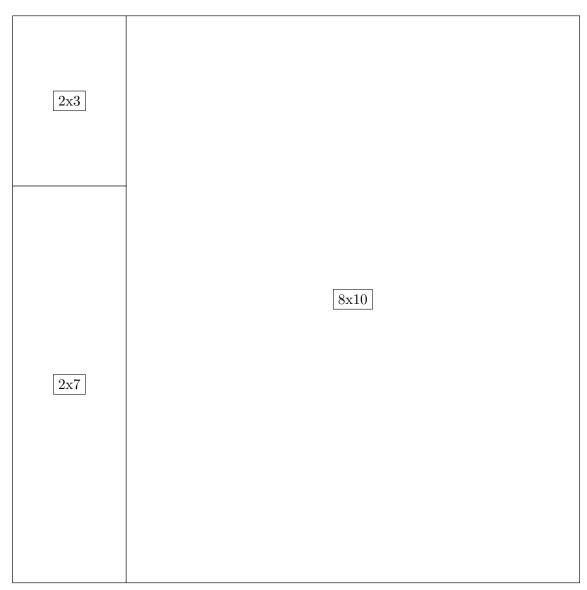
isOpt: $\underline{\mathbf{true}}$

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.375 s



$$\begin{array}{l} w = 7 \ , \ h = 4 \ , \ x = 3 \ , \ y = 0 \ , \ v = 28 \\ w = 3 \ , \ h = 4 \ , \ x = 0 \ , \ y = 0 \ , \ v = 12 \\ w = 10 \ , \ h = 3 \ , \ x = 0 \ , \ y = 4 \ , \ v = 30 \\ w = 10 \ , \ h = 3 \ , \ x = 0 \ , \ y = 7 \ , \ v = 30 \end{array}$$



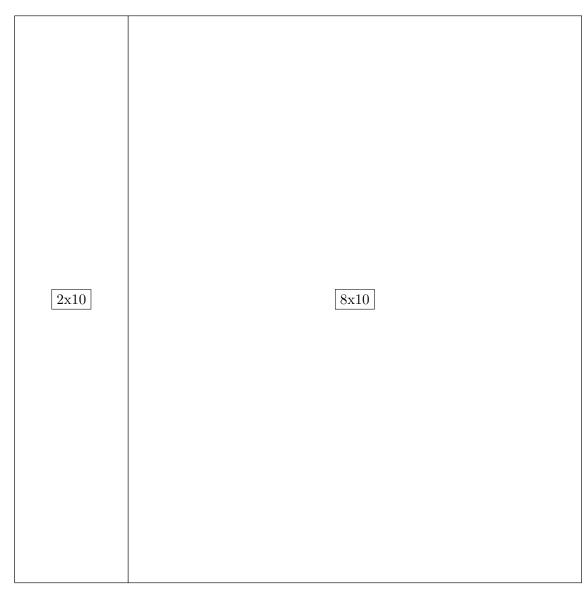
$$w=8$$
 , $h=\!10$, $x=\!2$, $y=\!0$, $v=\!80$

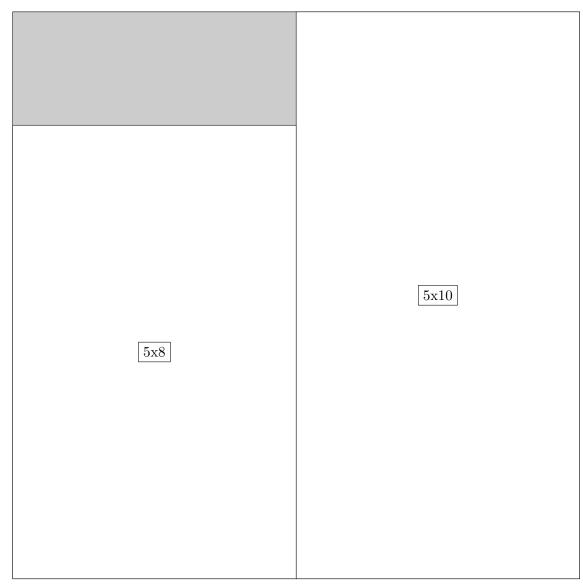
$$\mathbf{w}$$
 =2 , h =7 , x =0 , y =0 , v =14

$$\mathbf{w}$$
 =2 , h =3 , x =0 , y =7 , v =6

4x10	6x10

w =6, h =10, x =4, y =0, v =60 w =4, h =10, x =0, y =0, v =40





w =5, h =10, x =5, y =0, v =50 w =5, h =8, x =0, y =0, v =40



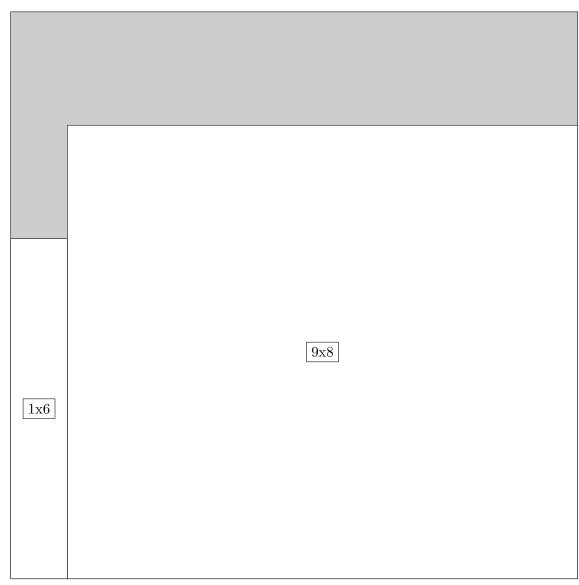
 \mathbf{w} =10 , h =10 , x =0 , y =0 , v =100

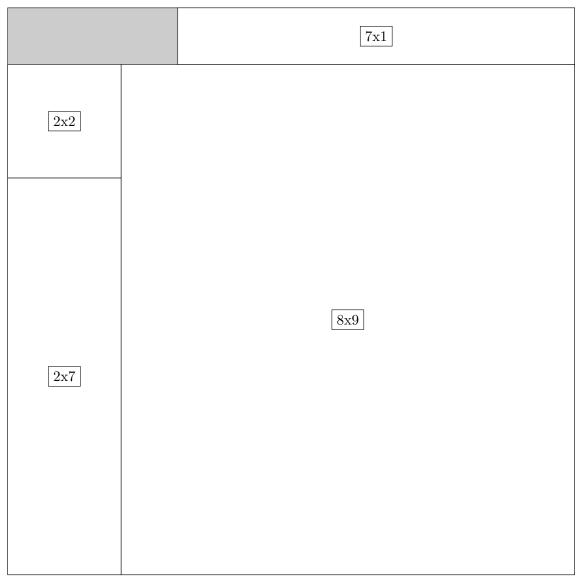


w = 10, h = 9, x = 0, y = 0, v = 90



w = 10, h = 9, x = 0, y = 0, v = 90



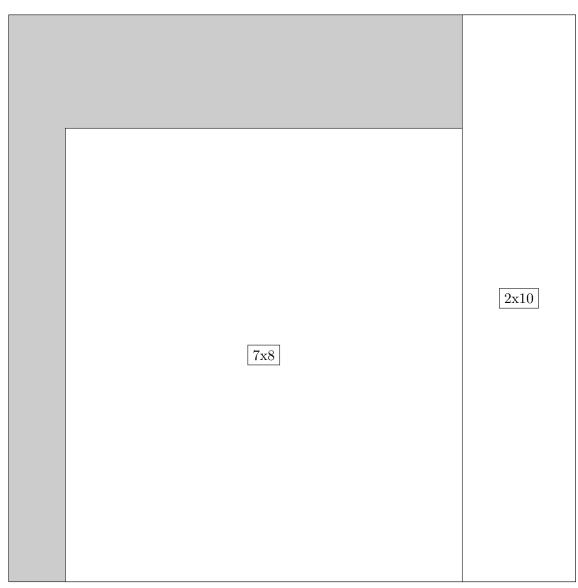


$$\mathbf{w}$$
 =8 , h =9 , x =2 , y =0 , v =72

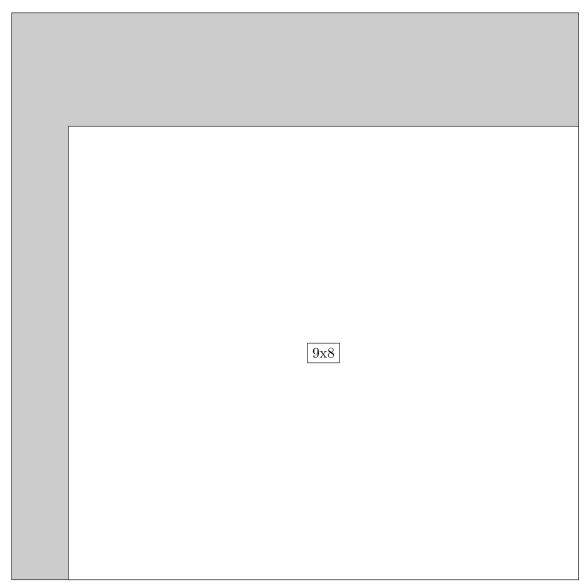
$$\mathbf{w}$$
 =2 , h =7 , x =0 , y =0 , v =14

$$\mathbf{w}$$
 =2 , h =2 , x =0 , y =7 , v =4

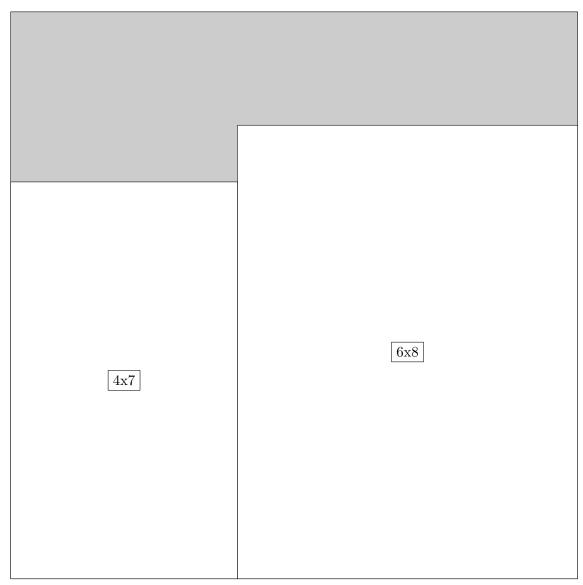
$$\mathbf{w}$$
 =7 , h =1 , x =3 , y =9 , v =7



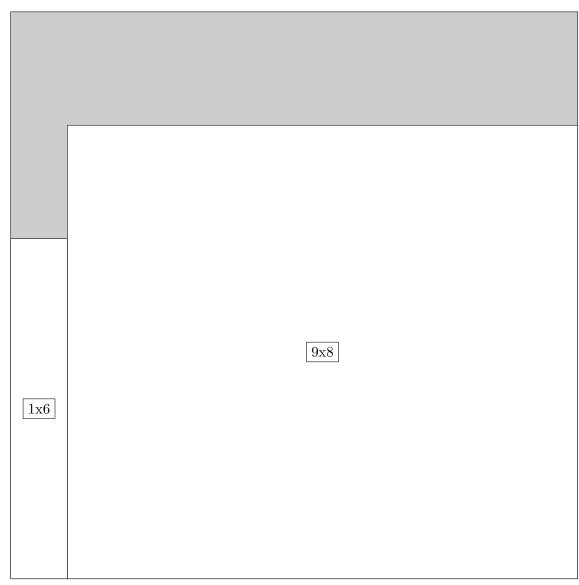
 $\begin{array}{l} w = 2 \; , \; h = \! 10 \; , \; x = \! 8 \; , \; y = \! 0 \; , \; v = \! 20 \\ w = \! 7 \; , \; h = \! 8 \; , \; x = \! 1 \; , \; y = \! 0 \; , \; v = \! 56 \end{array}$

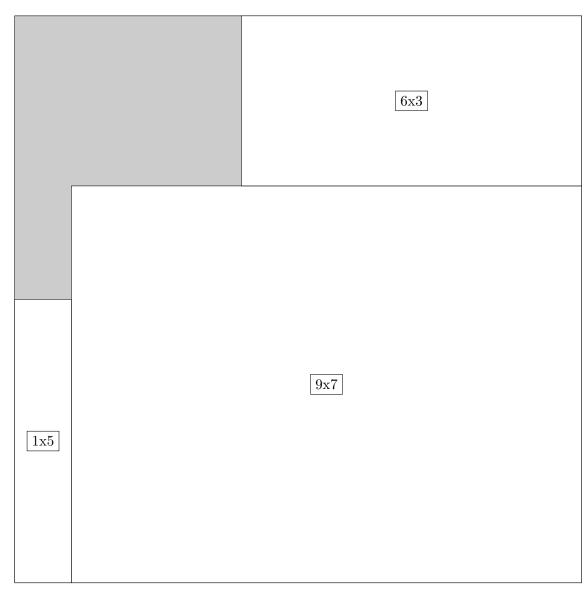


 \mathbf{w} =9 , h =8 , x =1 , y =0 , v =72



w =6, h =8, x =4, y =0, v =48 w =4, h =7, x =0, y =0, v =28





$$\begin{array}{l} w = 9 \ , \ h = 7 \ , \ x = 1 \ , \ y = 0 \ , \ v = 63 \\ w = 6 \ , \ h = 3 \ , \ x = 4 \ , \ y = 7 \ , \ v = 18 \\ w = 1 \ , \ h = 5 \ , \ x = 0 \ , \ y = 0 \ , \ v = 5 \end{array}$$

		6x5
[4x2]	2x1	4x1
4x3		6x4

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

 \mathbf{w} =4 , h =1 , x =6 , y =4 , v =4

w = 2, h = 1, x = 4, y = 4, v = 2

 $\mathbf{w}=\!\!4$, $\mathbf{h}=\!\!3$, $\mathbf{x}=\!\!0$, $\mathbf{y}=\!\!0$, $\mathbf{v}=\!\!12$

w = 4, h = 2, x = 0, y = 3, v = 8

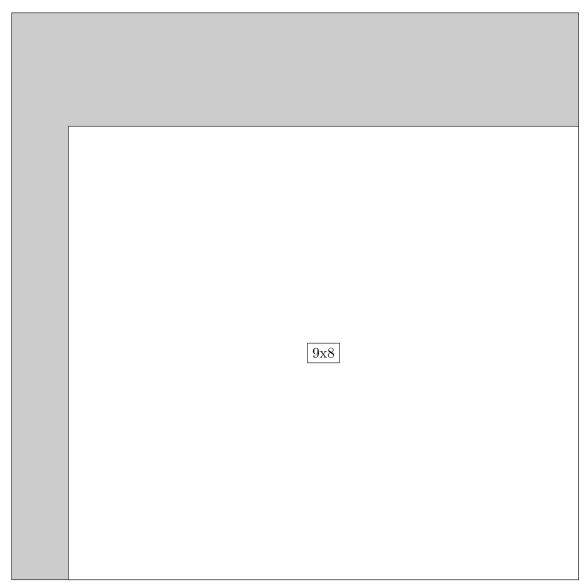
 \mathbf{w} =6 , h =5 , x =4 , y =5 , v =30

3x4	7x6
[4x4]	[6x4]

w =6, h =4, x =4, y =0, v =24 w =4, h =4, x =0, y =0, v =16

w = 7, h = 6, x = 3, y = 4, v = 42

 \mathbf{w} =3 , h =4 , x =0 , y =4 , v =12

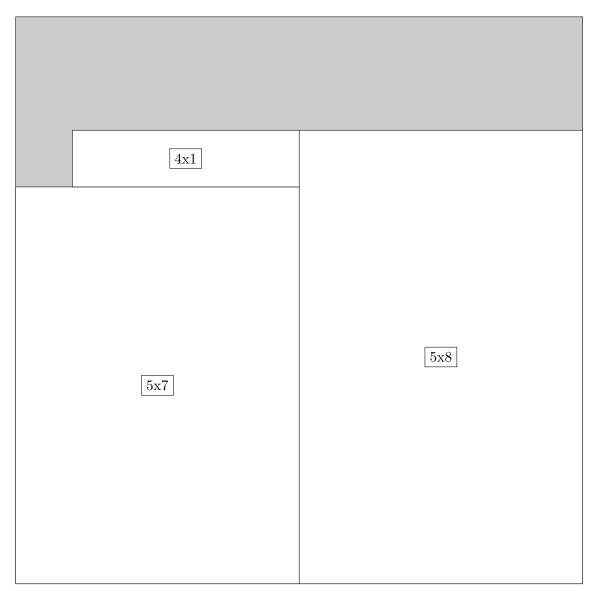


 \mathbf{w} =9 , h =8 , x =1 , y =0 , v =72

5x1	- 5x2
5x9	
	5x8

 $\begin{array}{l} w = 5 \ , \ h = 8 \ , \ x = 5 \ , \ y = 0 \ , \ v = 40 \\ w = 5 \ , \ h = 2 \ , \ x = 5 \ , \ y = 8 \ , \ v = 10 \\ w = 5 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 45 \end{array}$

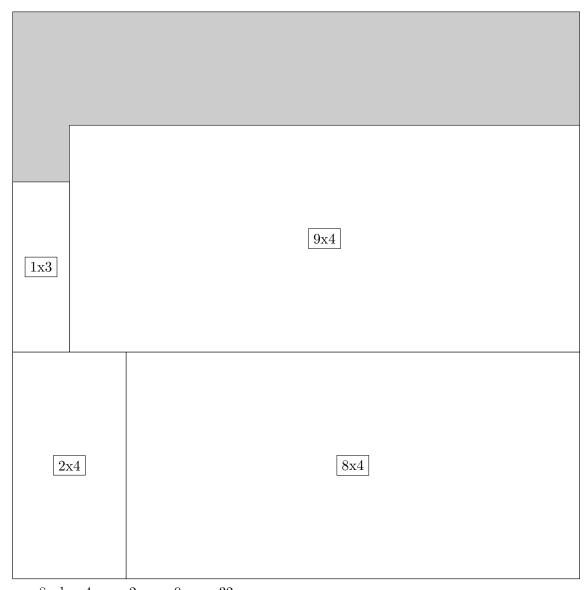
w = 5, h = 1, x = 0, y = 9, v = 5



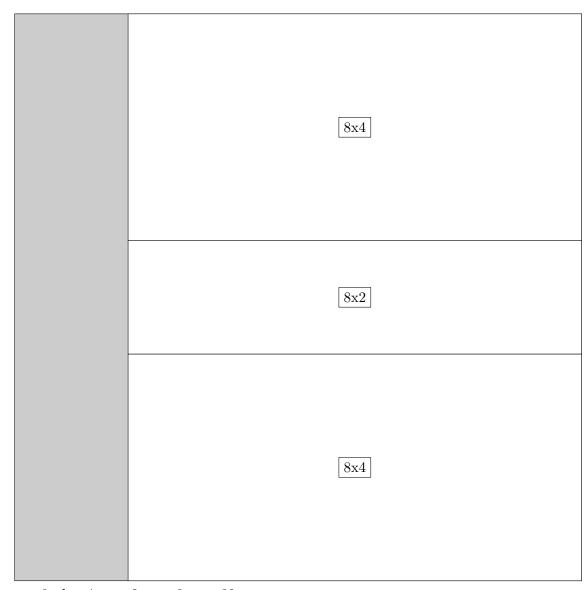
 $\begin{array}{l} w = 5 \ , \ h = 8 \ , \ x = 5 \ , \ y = 0 \ , \ v = 40 \\ w = 5 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 35 \\ w = 4 \ , \ h = 1 \ , \ x = 1 \ , \ y = 7 \ , \ v = 4 \end{array}$

3x9	3x9	4x9

 $\begin{array}{l} w = 4 \ , \ h = 9 \ , \ x = 6 \ , \ y = 0 \ , \ v = 36 \\ w = 3 \ , \ h = 9 \ , \ x = 3 \ , \ y = 0 \ , \ v = 27 \\ w = 3 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 27 \end{array}$



$$\begin{array}{c} w = 9 \ , \ h = \! 4 \ , \ x = \! 1 \ , \ y = \! 4 \ , \ v = \! 36 \\ w = \! 1 \ , \ h = \! 3 \ , \ x = \! 0 \ , \ y = \! 4 \ , \ v = \! 3 \\ \end{array}$$



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