${\bf ClassName:}~{\bf Class_01.2bp\text{-}29}$

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

TypeNum: <u>50</u> Num: <u>60</u> OutS: <u>2400</u> InS: <u>2108</u> Rate: <u>0.878</u> UB: <u>24</u> LB0: <u>24</u> LB: <u>24</u>

LBWithCut: $\underline{\mathbf{24}}$ NodeCut: $\underline{\mathbf{0}}$

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{24}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

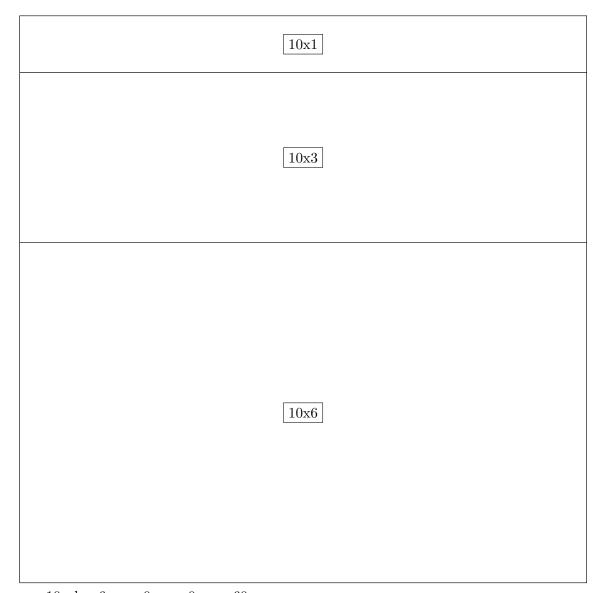
isOpt: $\underline{\mathbf{true}}$

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.313 s

4x10	6x10

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



$$\le =10$$
 , h =6 , x =0 , y =0 , v =60

$$\le =10$$
 , h =3 , x =0 , y =6 , v =30

$$\mathbf{w}$$
 =10 , h =1 , x =0 , y =9 , v =10



w = 10, h = 8, x = 0, y = 0, v = 80



w = 10, h = 8, x = 0, y = 0, v = 80

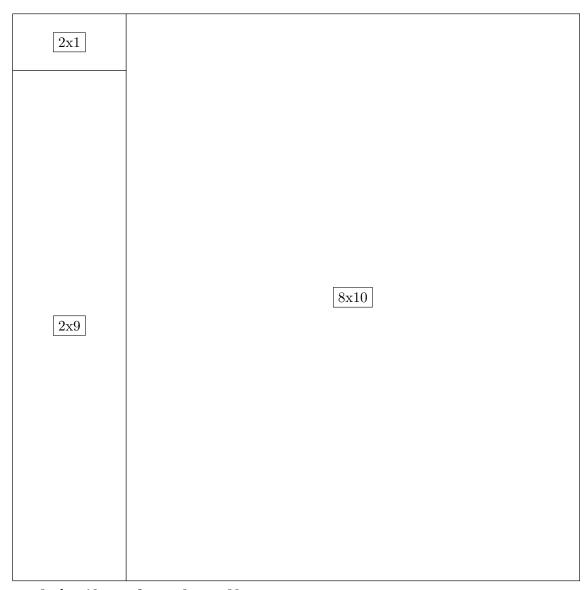
3x2	
1x8 2x8	7x10

$$w$$
 =7 , h =10 , x =3 , y =0 , v =70

$$\le =2$$
 , h =8 , x =1 , y =0 , v =
16

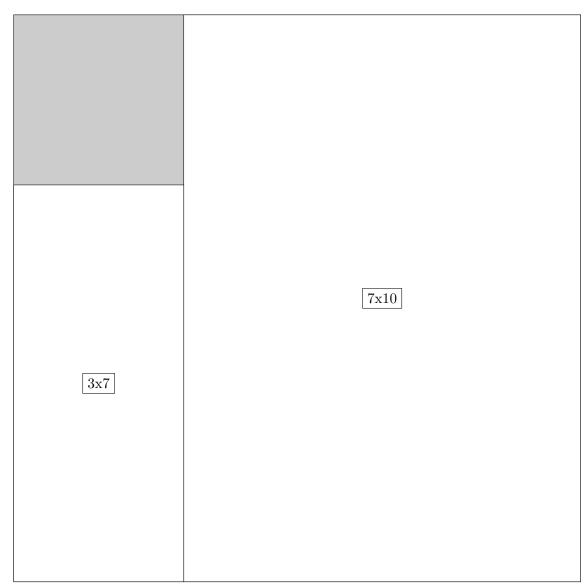
$$\mathbf{w}$$
 =1 , h =8 , x =0 , y =0 , v =8

$$\mathbf{w}$$
 =3 , h =2 , x =0 , y =8 , v =6

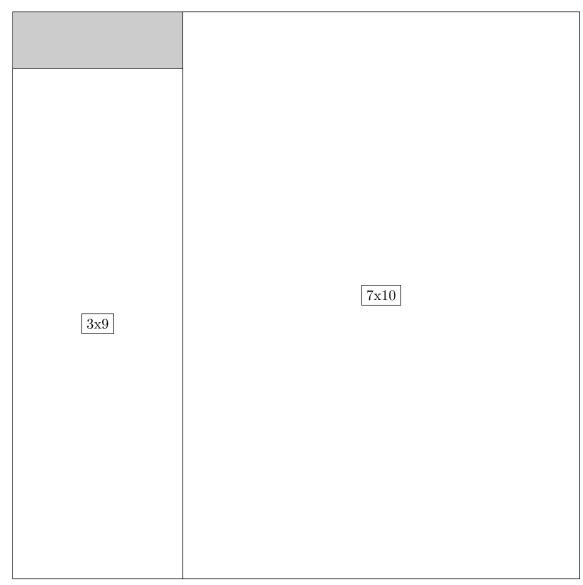


$$\begin{array}{l} w = 8 \ , \ h = \! 10 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 80 \\ w = \! 2 \ , \ h = \! 9 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 18 \end{array}$$

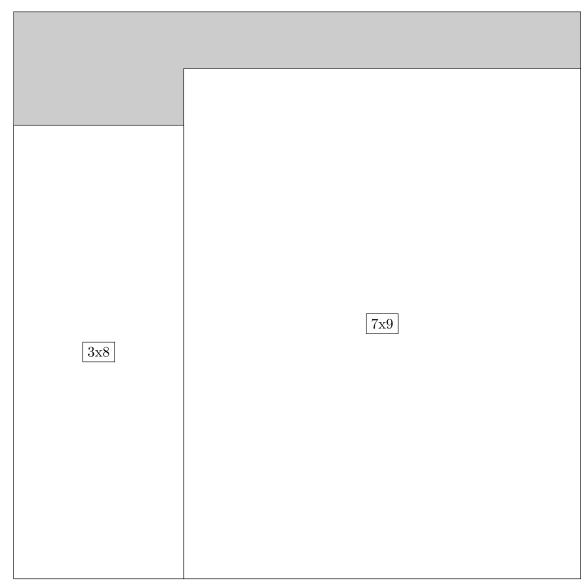
$$w=2$$
 , $h=1$, $x=0$, $y=9$, $v=2$

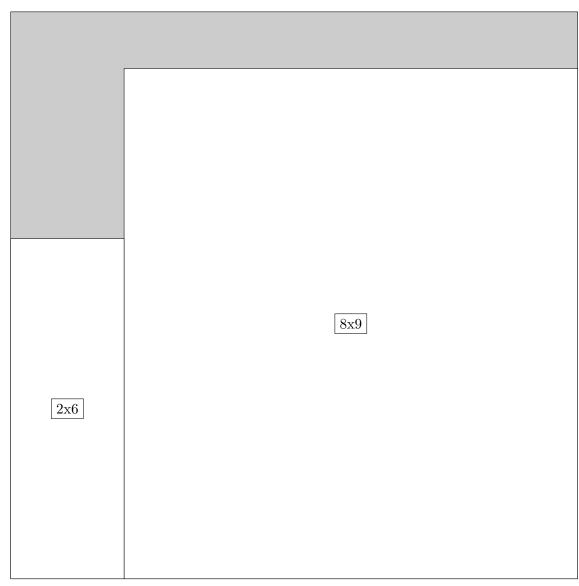


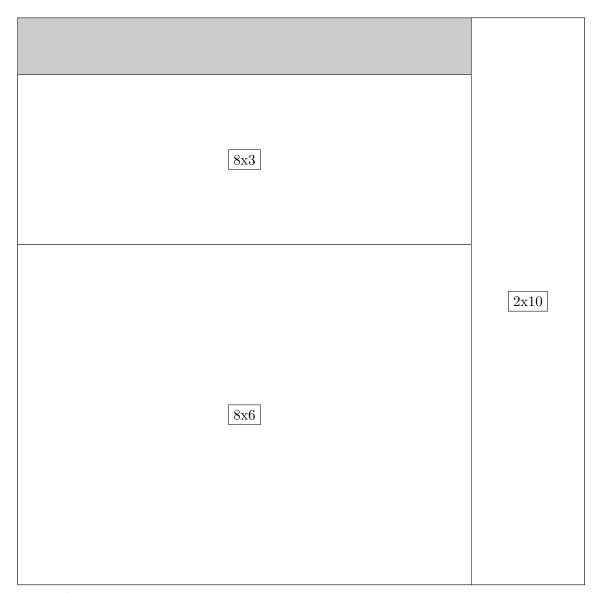
w =7, h =10, x =3, y =0, v =70 w =3, h =7, x =0, y =0, v =21



w =7, h =10, x =3, y =0, v =70 w =3, h =9, x =0, y =0, v =27



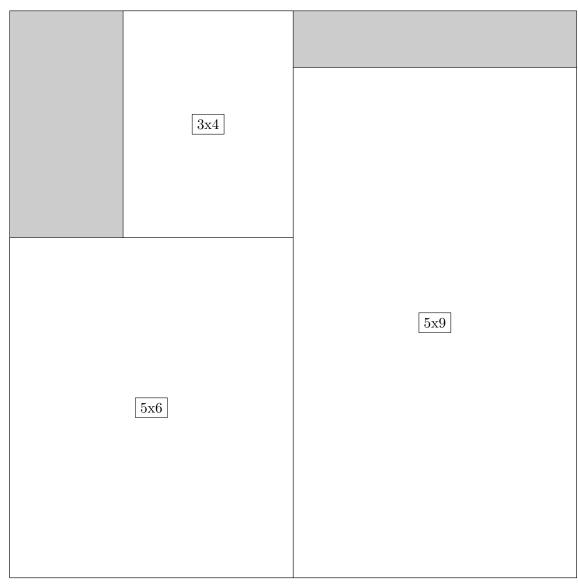




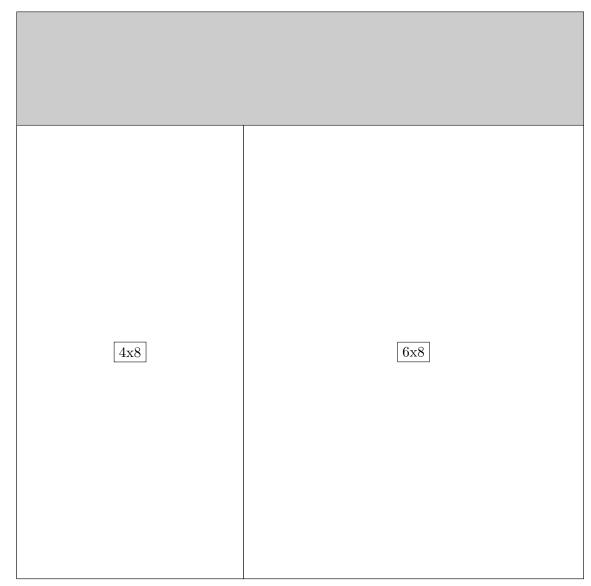
$$\le = 2$$
 , $h = \! 10$, $x = \! 8$, $y = \! 0$, $v = \! 20$

$$\mathbf{w}$$
 =8 , h =6 , x =0 , y =0 , v =48

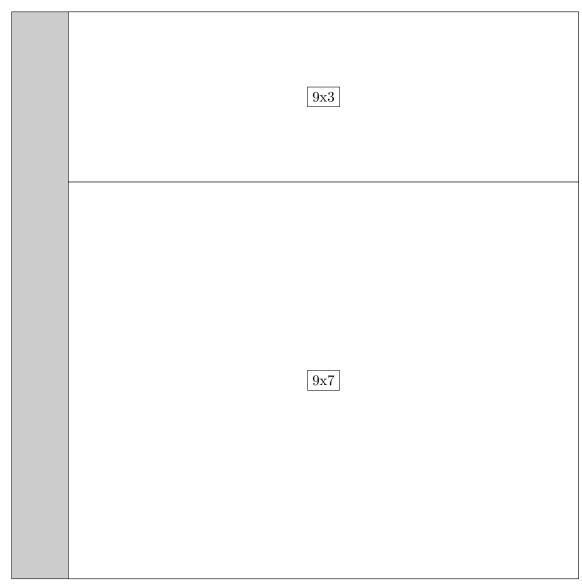
$$\mathbf{w}$$
 =8 , h =3 , x =0 , y =6 , v =24



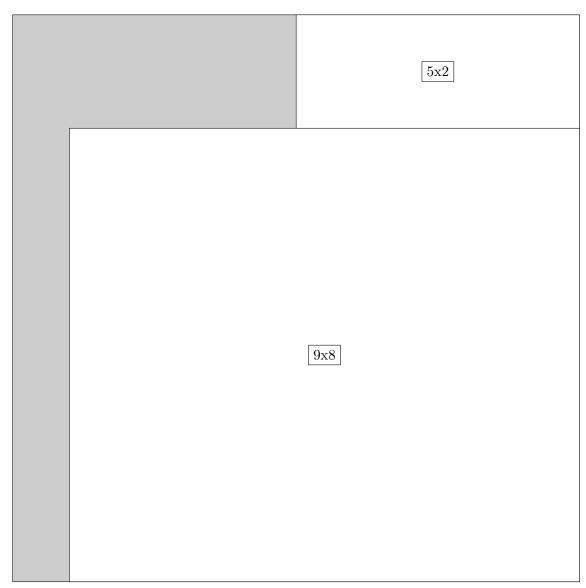
 $\begin{array}{l} w = 5 \ , \ h = 9 \ , \ x = 5 \ , \ y = 0 \ , \ v = 45 \\ w = 5 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 30 \\ w = 3 \ , \ h = 4 \ , \ x = 2 \ , \ y = 6 \ , \ v = 12 \end{array}$



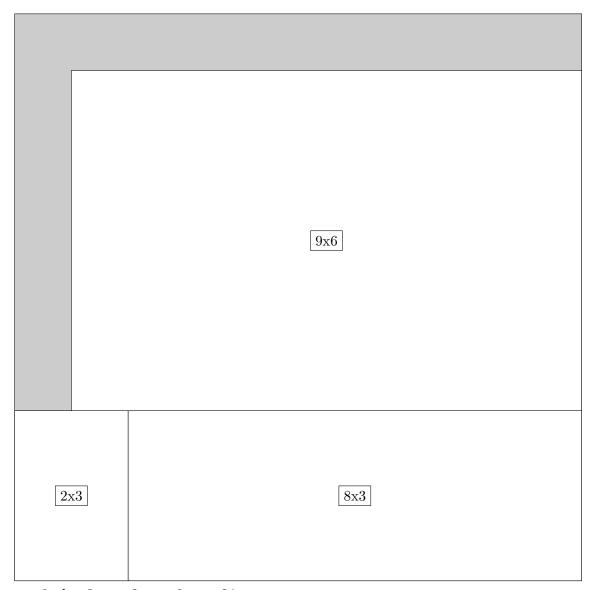
w =6, h =8, x =4, y =0, v =48 w =4, h =8, x =0, y =0, v =32



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



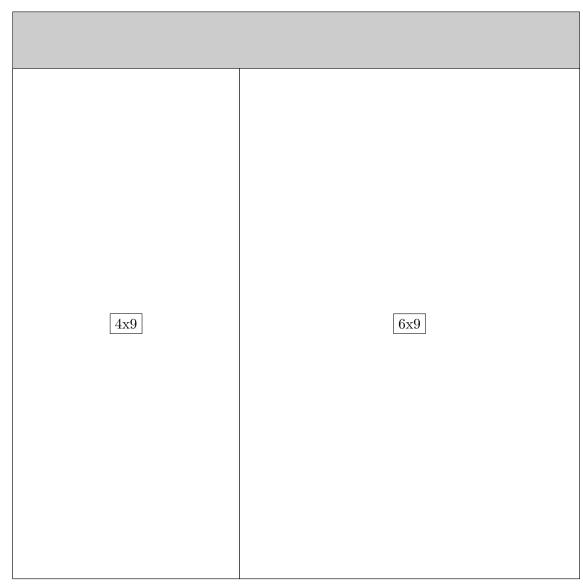
$$\begin{array}{c} w = 9 \ , \ h = 8 \ , \ x = 1 \ , \ y = 0 \ , \ v = 72 \\ w = 5 \ , \ h = 2 \ , \ x = 5 \ , \ y = 8 \ , \ v = 10 \end{array}$$



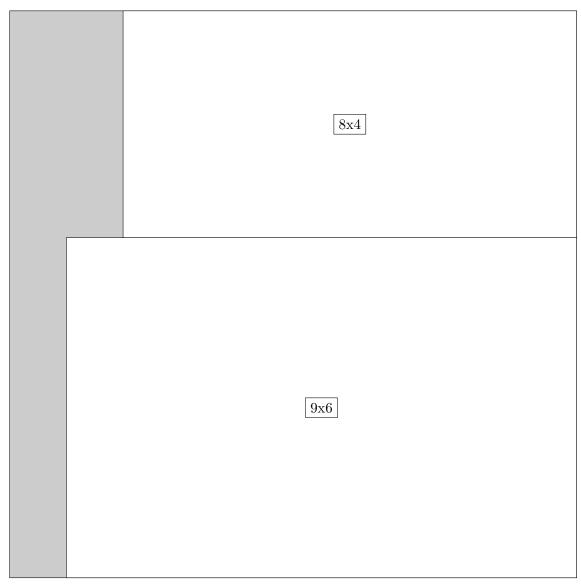
$$\begin{array}{l} w = 8 \ , \, h = \! 3 \ , \, x = \! 2 \ , \, y = \! 0 \ , \, v = \! 24 \\ w = \! 2 \ , \, h = \! 3 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 6 \\ w = \! 9 \ , \, h = \! 6 \ , \, x = \! 1 \ , \, y = \! 3 \ , \, v = \! 54 \end{array}$$

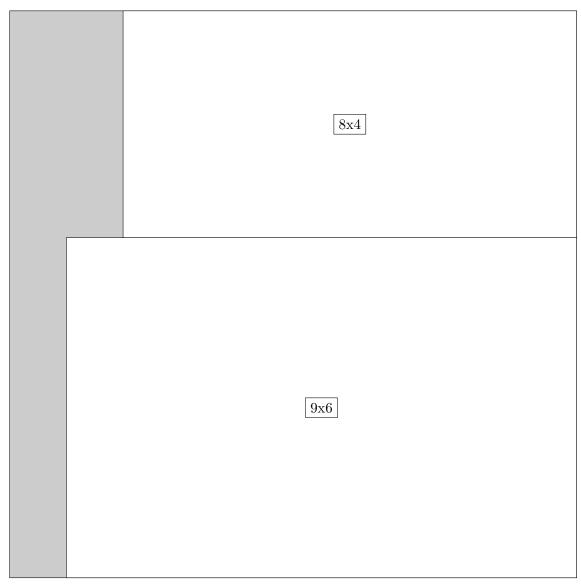
	2x2	6x2
2x7		8x8

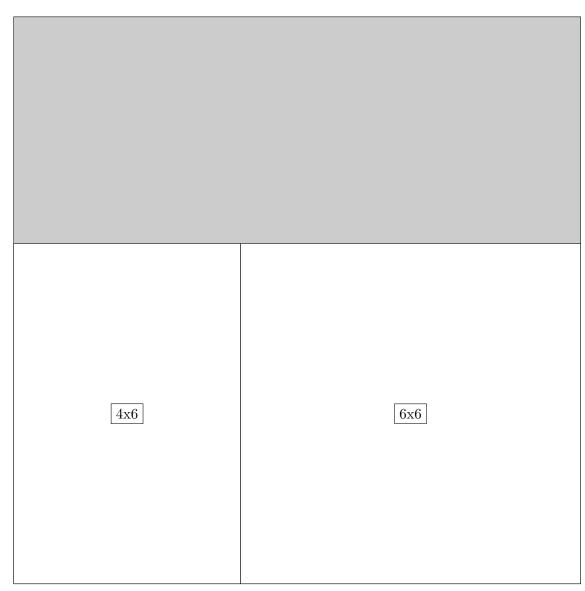
 $\begin{array}{l} w=8 \ , \ h=8 \ , \ x=2 \ , \ y=0 \ , \ v=64 \\ w=6 \ , \ h=2 \ , \ x=4 \ , \ y=8 \ , \ v=12 \\ w=2 \ , \ h=2 \ , \ x=2 \ , \ y=8 \ , \ v=4 \\ w=2 \ , \ h=7 \ , \ x=0 \ , \ y=0 \ , \ v=14 \end{array}$



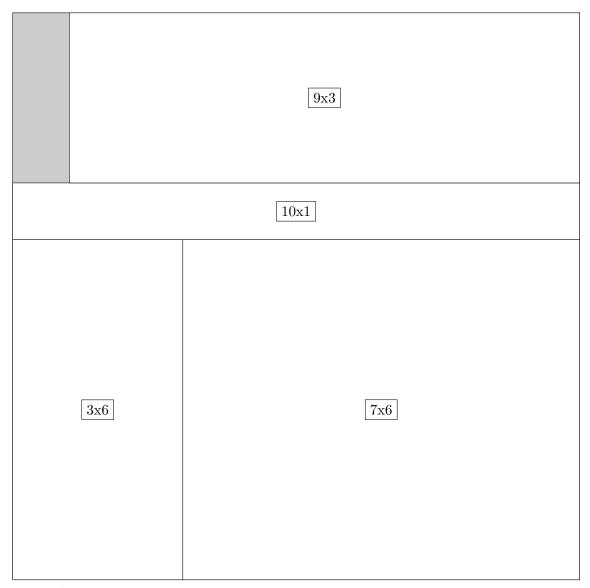
w =6, h =9, x =4, y =0, v =54 w =4, h =9, x =0, y =0, v =36







w =6, h =6, x =4, y =0, v =36 w =4, h =6, x =0, y =0, v =24



$$\begin{array}{l} w = 7 \ , \ h = 6 \ , \ x = 3 \ , \ y = 0 \ , \ v = 42 \\ w = 3 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 18 \\ w = 10 \ , \ h = 1 \ , \ x = 0 \ , \ y = 6 \ , \ v = 10 \\ w = 9 \ , \ h = 3 \ , \ x = 1 \ , \ y = 7 \ , \ v = 27 \end{array}$$

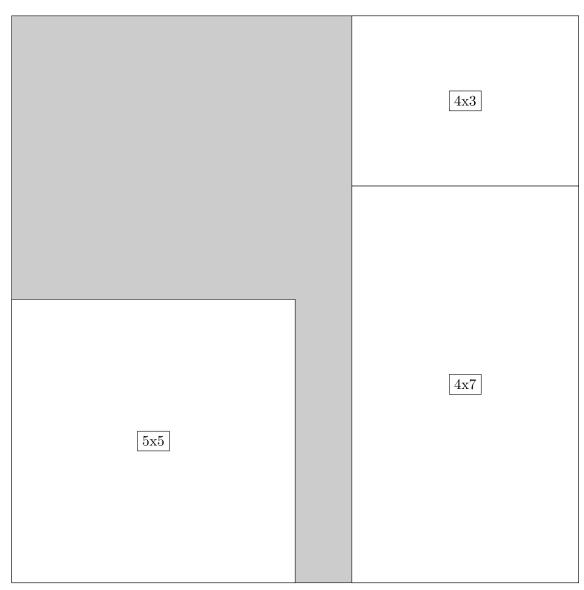
4x4	$6\mathrm{x}5$
4x5	6x5

w = 6, h = 5, x = 4, y = 0, v = 30

w = 4, h = 5, x = 0, y = 0, v = 20

w = 6, h = 5, x = 4, y = 5, v = 30

 $\mathbf{w}=\!\!4$, $\mathbf{h}=\!\!4$, $\mathbf{x}=\!\!0$, $\mathbf{y}=\!\!5$, $\mathbf{v}=\!\!16$



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

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

 \mathbf{w} =5 , h =5 , x =0 , y =0 , v = 25