${\bf ClassName:}~{\bf Class_01.2bp\text{-}23}$

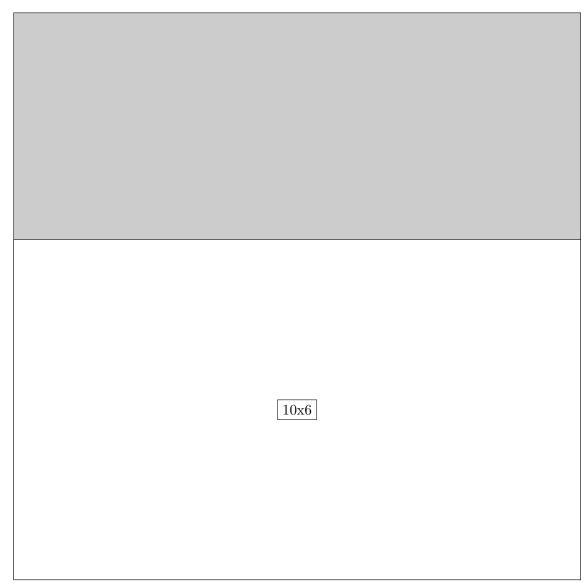
 $\begin{array}{ll} \text{BinSize: } \underline{\mathbf{10} \times \mathbf{10}} \\ \text{ReduceSize: } \underline{\mathbf{10} \times \mathbf{10}} \end{array}$

TypeNum: <u>48</u> Num: <u>60</u> OutS: <u>2200</u> InS: <u>1823</u> Rate: <u>0.829</u> UB: <u>22</u> LB: <u>22</u>

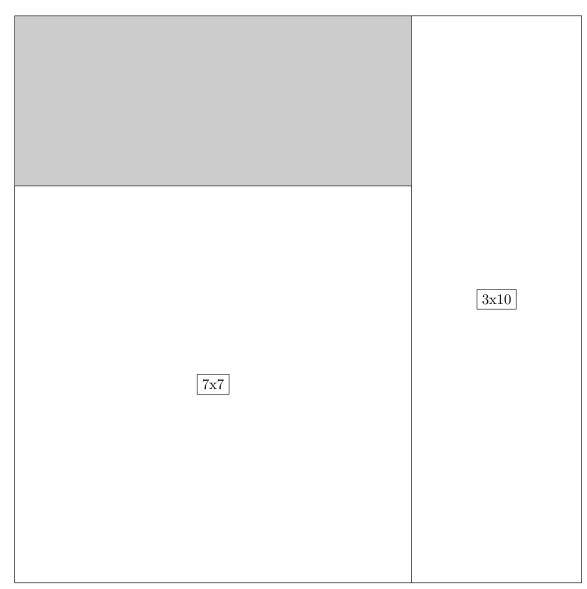
LBWithCut: $\underline{22}$ NodeCount: $\underline{0}$ PrimalNode: $\underline{0}$ ColumnCount: $\underline{22}$ TotalCutCount: $\underline{0}$ RootCutCount: $\underline{0}$ LPSolverCnt: $\underline{1}$ PricingSolverCnt: $\underline{0}$ BranchAndBoundNum: $\underline{1}$

isOpt: **true**

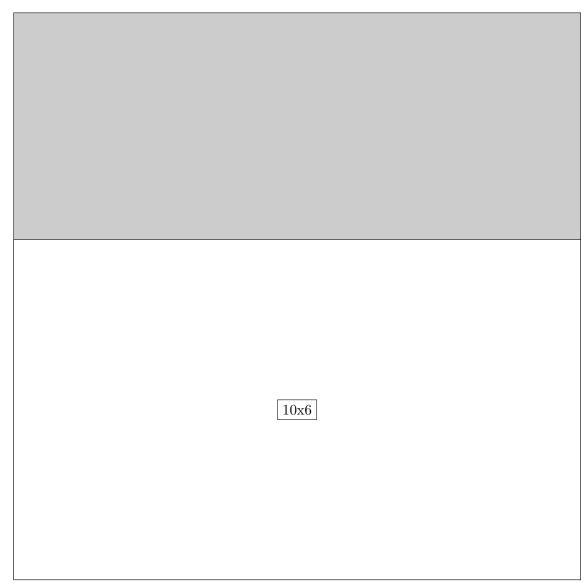
TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{0.000 \text{ s}}$ TimeOnRmp: $\underline{0.062 \text{ s}}$ TotalTime: $\underline{0.203 \text{ s}}$



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



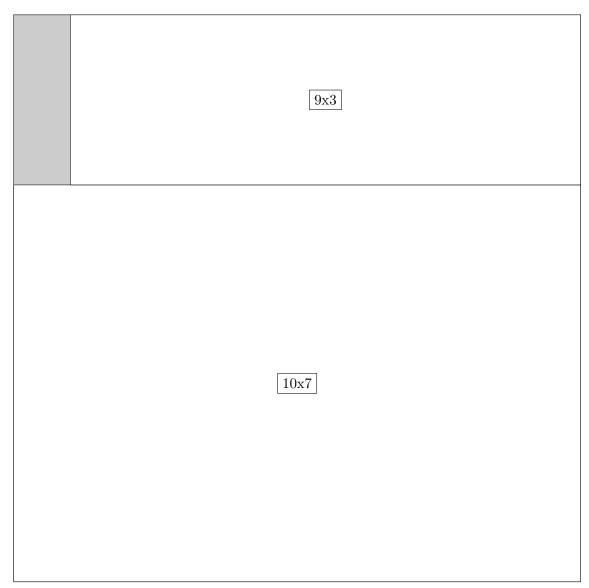
w = 3, h = 10, x = 7, y = 0, v = 30 w = 7, h = 7, x = 0, y = 0, v = 49



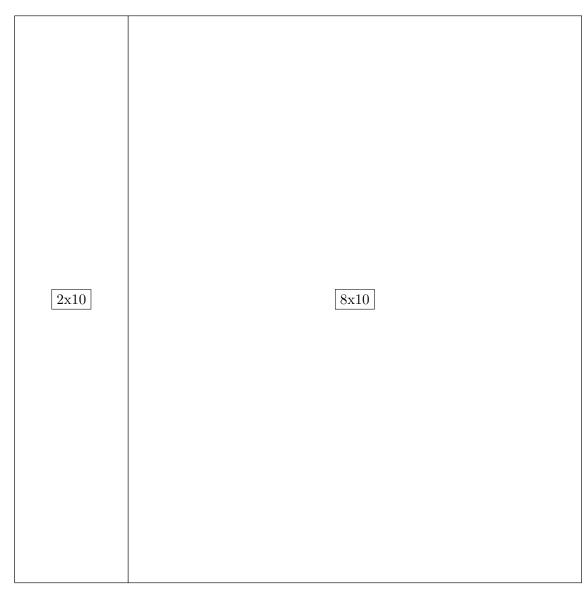
w = 10, h = 6, x = 0, y = 0, v = 60



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



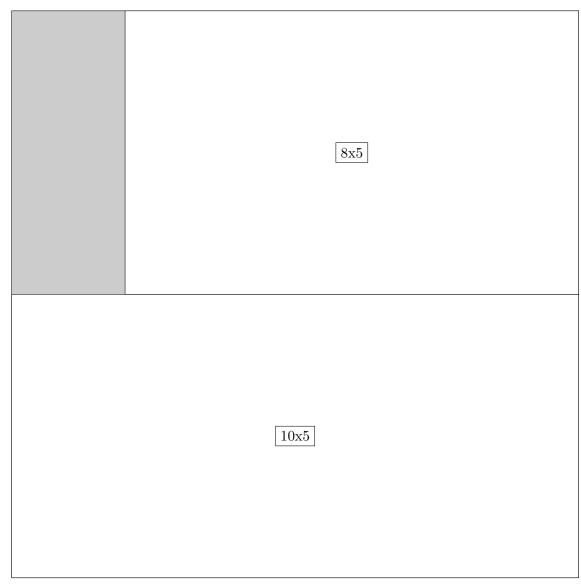
 $\begin{array}{l} w = \! 10 \ , \ h = \! 7 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 70 \\ w = \! 9 \ , \ h = \! 3 \ , \ x = \! 1 \ , \ y = \! 7 \ , \ v = \! 27 \end{array}$



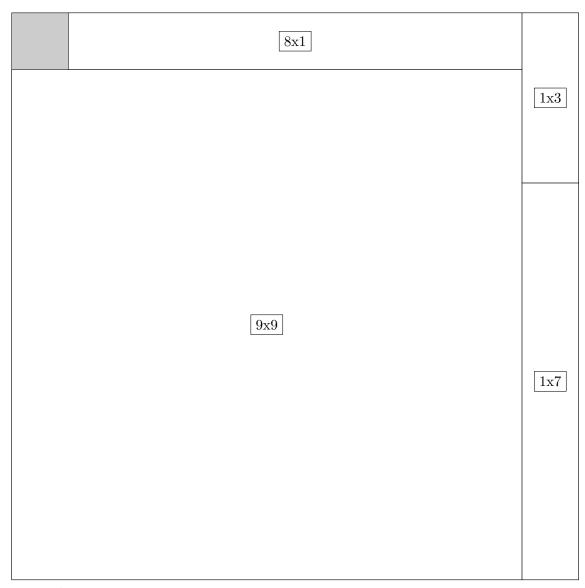
8x1 2x110x9

$$\begin{array}{l} w = \! 10 \; , \; h = \! 9 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 90 \\ w = \! 8 \; , \; h = \! 1 \; , \; x = \! 2 \; , \; y = \! 9 \; , \; v = \! 8 \end{array}$$

$$\mathbf{w}$$
 =2 , h =1 , x =0 , y =9 , v =2



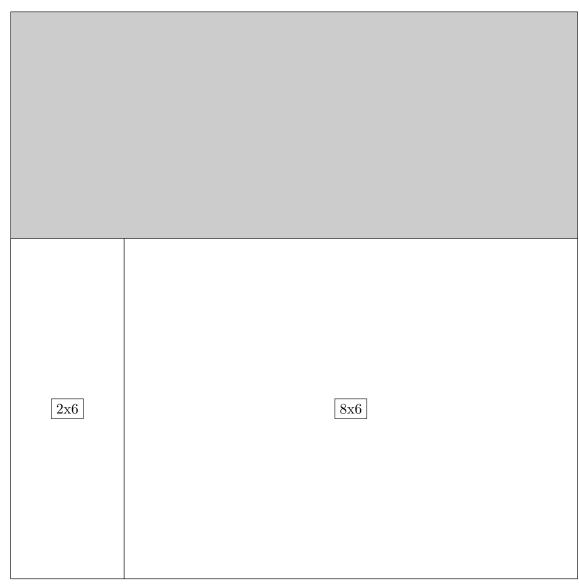
$$\begin{array}{l} w = & 10 \ , \ h = & 5 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 50 \\ w = & 8 \ , \ h = & 5 \ , \ x = & 2 \ , \ y = & 5 \ , \ v = & 40 \end{array}$$



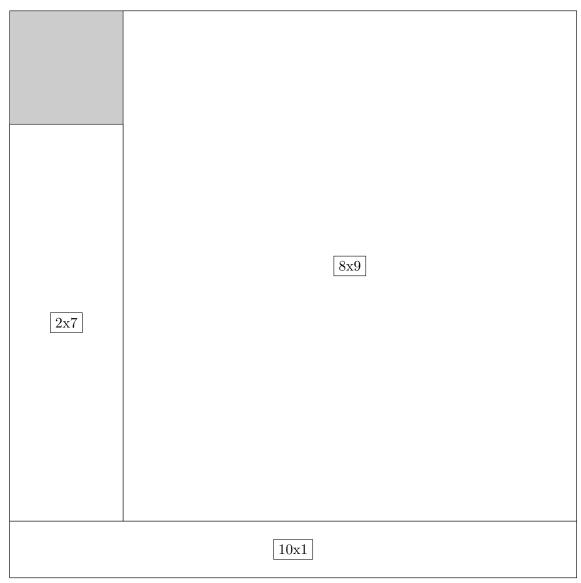
$$\begin{array}{l} w = 1 \ , \ h = 7 \ , \ x = 9 \ , \ y = 0 \ , \ v = 7 \\ w = 1 \ , \ h = 3 \ , \ x = 9 \ , \ y = 7 \ , \ v = 3 \end{array}$$

$$w = 9$$
 , $h = 9$, $x = 0$, $y = 0$, $v = 81$

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



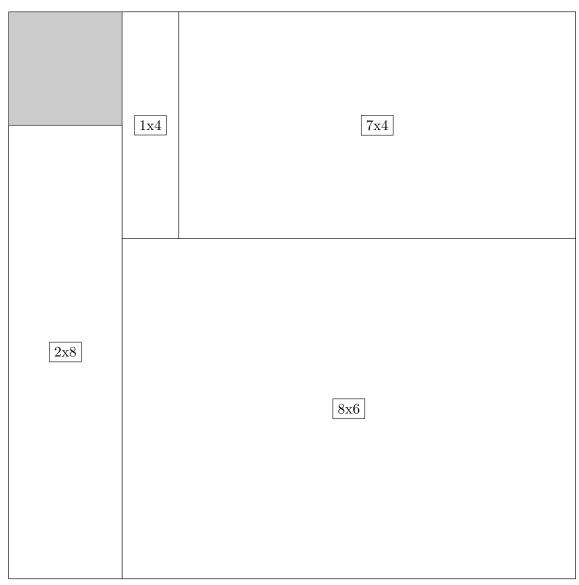
w =8, h =6, x =2, y =0, v =48 w =2, h =6, x =0, y =0, v =12



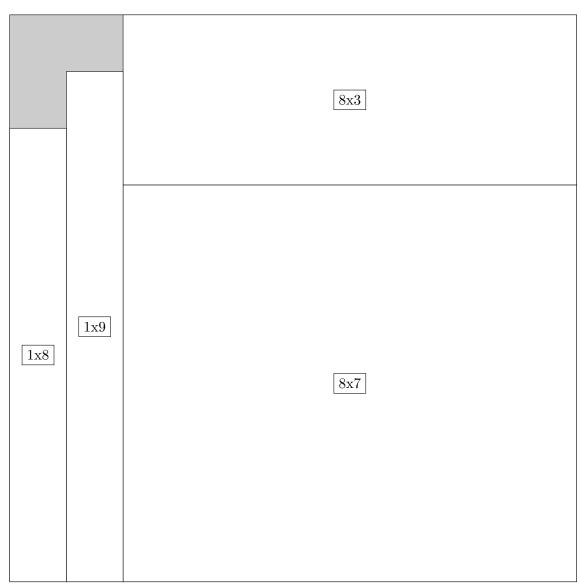
 $\begin{array}{l} w = & 10 \ , \ h = & 1 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 10 \\ w = & 8 \ , \ h = & 9 \ , \ x = & 2 \ , \ y = & 1 \ , \ v = & 72 \\ w = & 2 \ , \ h = & 7 \ , \ x = & 0 \ , \ y = & 1 \ , \ v = & 14 \end{array}$

1x3	4x4	5x4
1x7		9x6

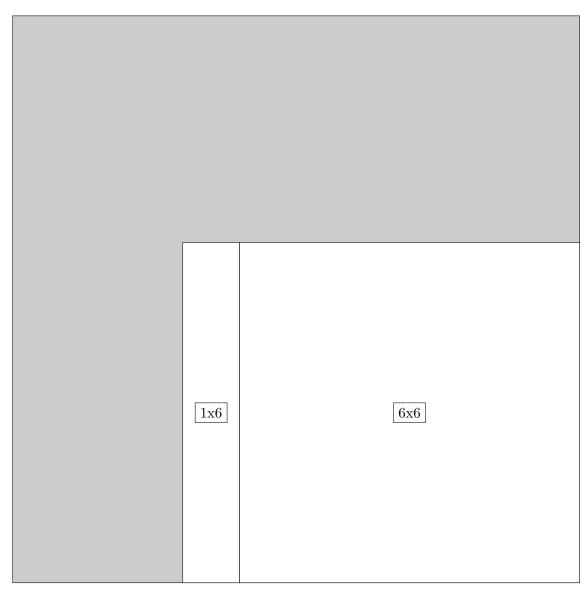
 $\begin{array}{l} w=9\ ,\, h=6\ ,\, x=1\ ,\, y=0\ ,\, v=54\\ w=5\ ,\, h=4\ ,\, x=5\ ,\, y=6\ ,\, v=20\\ w=4\ ,\, h=4\ ,\, x=1\ ,\, y=6\ ,\, v=16\\ w=1\ ,\, h=7\ ,\, x=0\ ,\, y=0\ ,\, v=7\\ w=1\ ,\, h=3\ ,\, x=0\ ,\, y=7\ ,\, v=3 \end{array}$



 $\begin{array}{l} w=8 \ , \ h=6 \ , \ x=2 \ , \ y=0 \ , \ v=48 \\ w=7 \ , \ h=4 \ , \ x=3 \ , \ y=6 \ , \ v=28 \\ w=1 \ , \ h=4 \ , \ x=2 \ , \ y=6 \ , \ v=4 \\ w=2 \ , \ h=8 \ , \ x=0 \ , \ y=0 \ , \ v=16 \end{array}$



 $\begin{array}{l} w=8 \ , \ h=7 \ , \ x=2 \ , \ y=0 \ , \ v=56 \\ w=8 \ , \ h=3 \ , \ x=2 \ , \ y=7 \ , \ v=24 \\ w=1 \ , \ h=9 \ , \ x=1 \ , \ y=0 \ , \ v=9 \\ w=1 \ , \ h=8 \ , \ x=0 \ , \ y=0 \ , \ v=8 \end{array}$

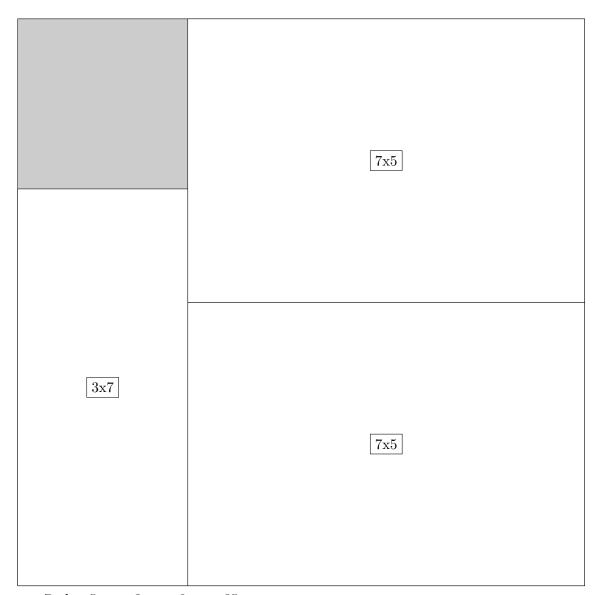


w =6, h =6, x =4, y =0, v =36 w =1, h =6, x =3, y =0, v =6

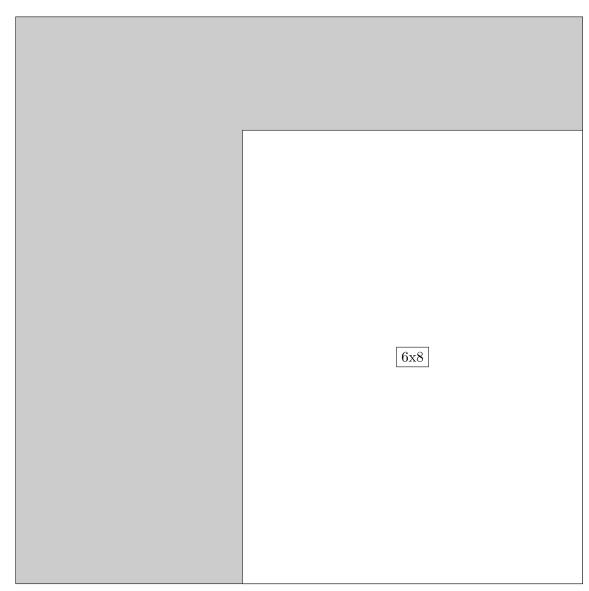
	6x1
4x7	6x6

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

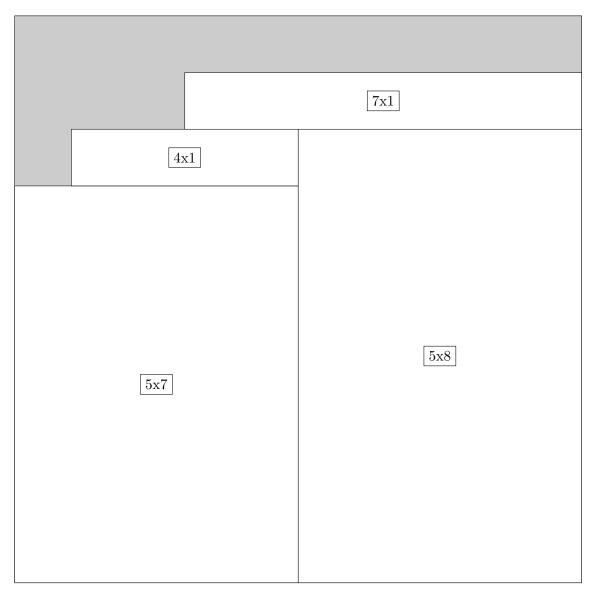
 \mathbf{w} =4 , h =7 , x =0 , y =0 , v =28



$$\begin{array}{l} w = 7 \;, \; h = 5 \;, \; x = 3 \;, \; y = 0 \;, \; v = 35 \\ w = 7 \;, \; h = 5 \;, \; x = 3 \;, \; y = 5 \;, \; v = 35 \\ w = 3 \;, \; h = 7 \;, \; x = 0 \;, \; y = 0 \;, \; v = 21 \end{array}$$



 \mathbf{w} =6 , h =8 , x =4 , y =0 , v =48

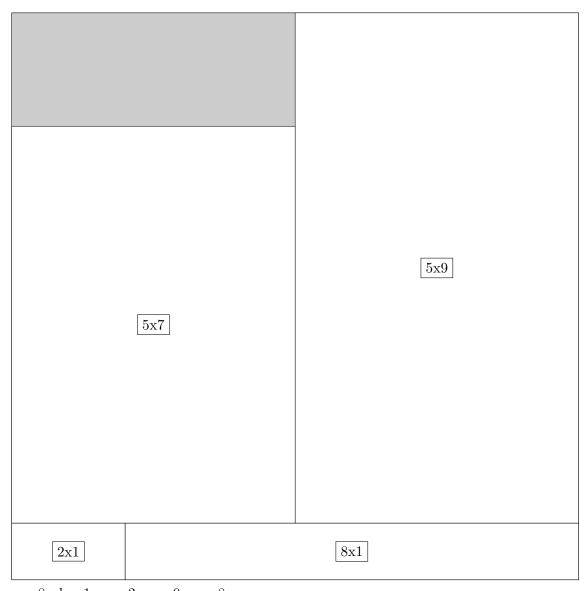


w = 5, h = 8, x = 5, y = 0, v = 40

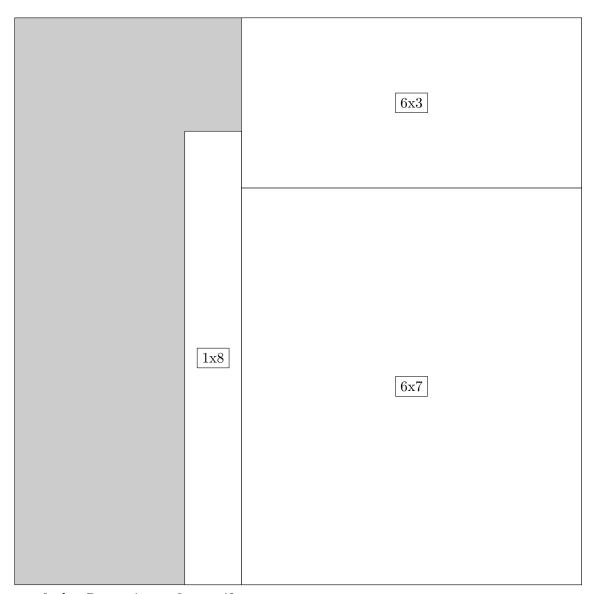
 \mathbf{w} =5 , h =7 , x =0 , y =0 , v =35

w = 4, h = 1, x = 1, y = 7, v = 4

 \mathbf{w} =7 , h =1 , x =3 , y =8 , v =7



$$\begin{array}{l} w=8 \ , \ h=1 \ , \ x=2 \ , \ y=0 \ , \ v=8 \\ w=2 \ , \ h=1 \ , \ x=0 \ , \ y=0 \ , \ v=2 \\ w=5 \ , \ h=9 \ , \ x=5 \ , \ y=1 \ , \ v=45 \\ w=5 \ , \ h=7 \ , \ x=0 \ , \ y=1 \ , \ v=35 \end{array}$$



 $\begin{array}{l} w = 6 \ , \ h = 7 \ , \ x = 4 \ , \ y = 0 \ , \ v = 42 \\ w = 6 \ , \ h = 3 \ , \ x = 4 \ , \ y = 7 \ , \ v = 18 \\ w = 1 \ , \ h = 8 \ , \ x = 3 \ , \ y = 0 \ , \ v = 8 \end{array}$

	2x5	5x5	
3x8		7x5	

 $\begin{array}{l} w=7\ ,\, h=5\ ,\, x=3\ ,\, y=0\ ,\, v=35\\ w=5\ ,\, h=5\ ,\, x=5\ ,\, y=5\ ,\, v=25\\ w=2\ ,\, h=5\ ,\, x=3\ ,\, y=5\ ,\, v=10\\ w=3\ ,\, h=8\ ,\, x=0\ ,\, y=0\ ,\, v=24 \end{array}$