$ClassName: \ Class_01.2bp-22$

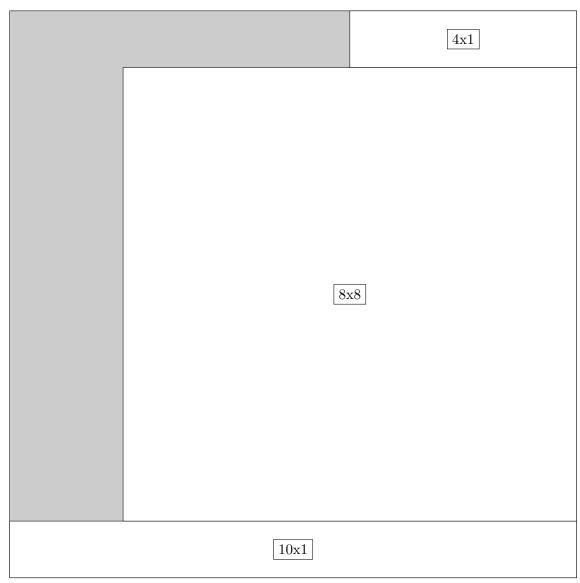
 $\begin{array}{ll} \text{BinSize: } \underline{\mathbf{10} \times \mathbf{10}} \\ \text{ReduceSize: } \underline{\mathbf{10} \times \mathbf{10}} \end{array}$

TypeNum: <u>44</u>
Num: <u>60</u>
OutS: <u>2100</u>
InS: <u>1817</u>
Rate: <u>0.865</u>
UB: <u>21</u>
LB: <u>21</u>

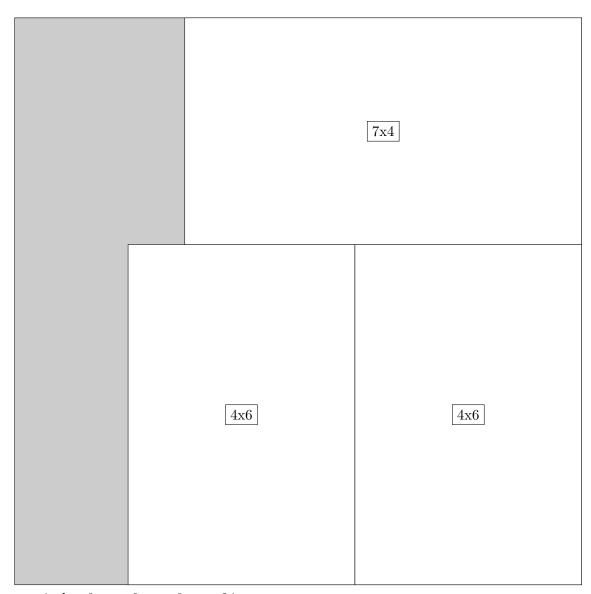
LBWithCut: 21NodeCount: 0PrimalNode: 0ColumnCount: 21TotalCutCount: 0RootCutCount: 0LPSolverCnt: 1PricingSolverCnt: 0BranchAndBoundNum: 1

isOpt: **true**

TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{0.000 \text{ s}}$ TimeOnRmp: $\underline{0.078 \text{ s}}$ TotalTime: $\underline{0.235 \text{ s}}$



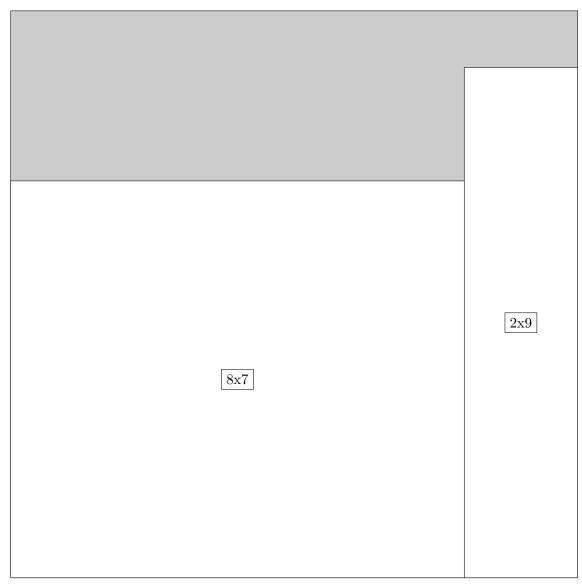
$$\begin{array}{l} w = \! 10 \ , \ h = \! 1 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 10 \\ w = \! 8 \ , \ h = \! 8 \ , \ x = \! 2 \ , \ y = \! 1 \ , \ v = \! 64 \\ w = \! 4 \ , \ h = \! 1 \ , \ x = \! 6 \ , \ y = \! 9 \ , \ v = \! 4 \end{array}$$

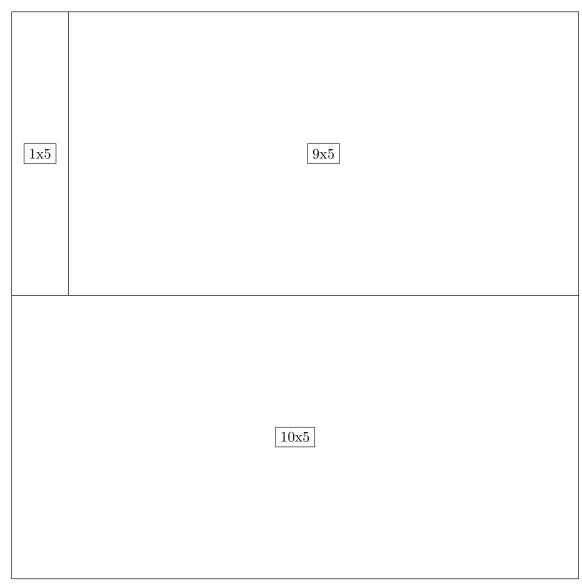


 \mathbf{w} =4 , h =6 , x =6 , y =0 , v =24

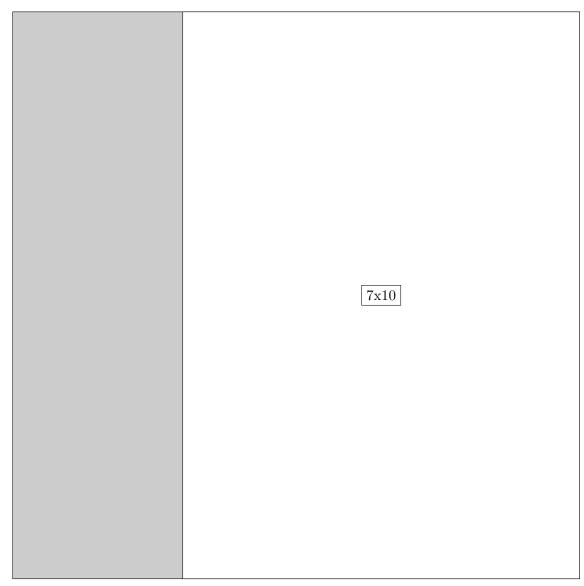
 \mathbf{w} =4 , h =6 , x =2 , y =0 , v =24

 \mathbf{w} =7 , h =4 , x =3 , y =6 , v =28

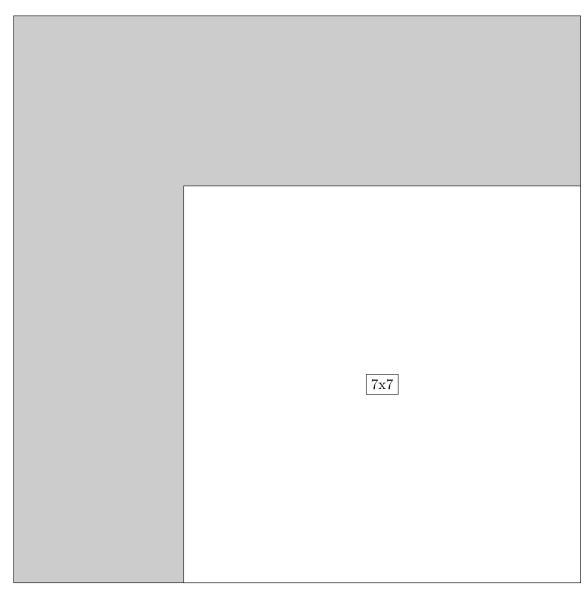




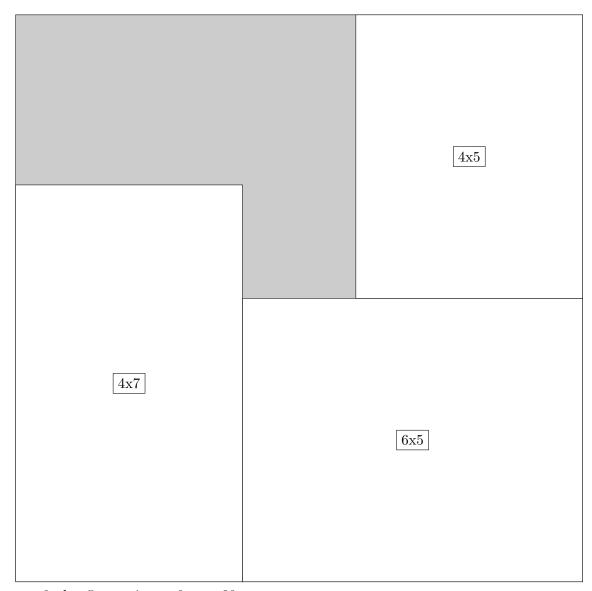
$$\begin{array}{l} w = \! 10 \ , \ h = \! 5 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 50 \\ w = \! 9 \ , \ h = \! 5 \ , \ x = \! 1 \ , \ y = \! 5 \ , \ v = \! 45 \\ w = \! 1 \ , \ h = \! 5 \ , \ x = \! 0 \ , \ y = \! 5 \ , \ v = \! 5 \end{array}$$



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



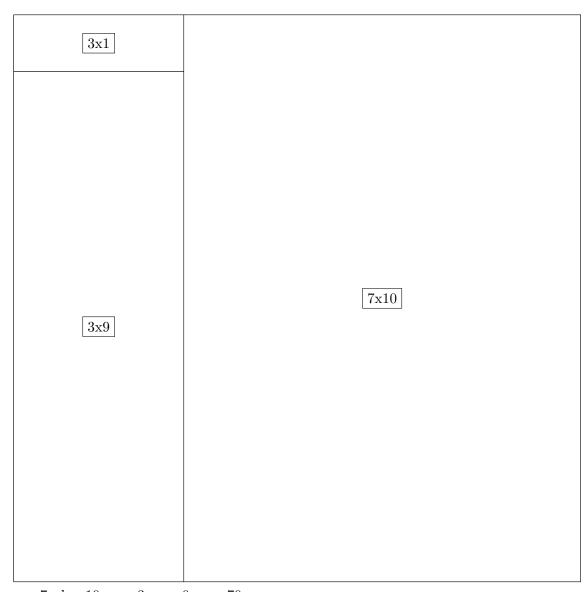
 \mathbf{w} =7 , h =7 , x =3 , y =0 , v =49



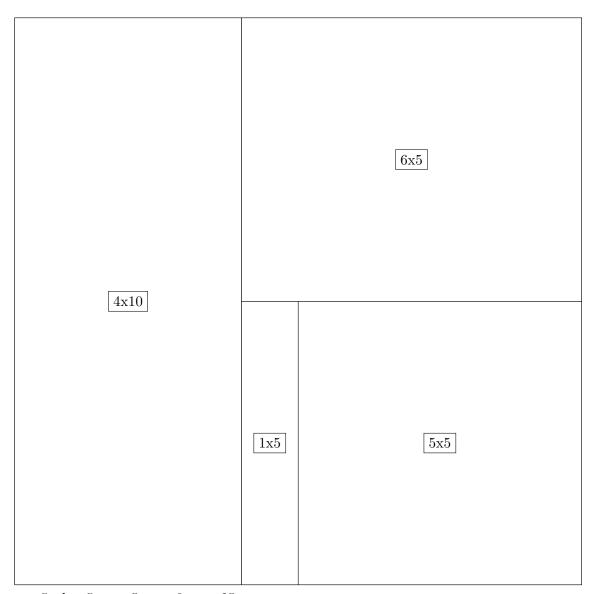
 \mathbf{w} =6 , h =5 , x =4 , y =0 , v =30

 \mathbf{w} =4 , h =5 , x =6 , y =5 , v =20

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



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

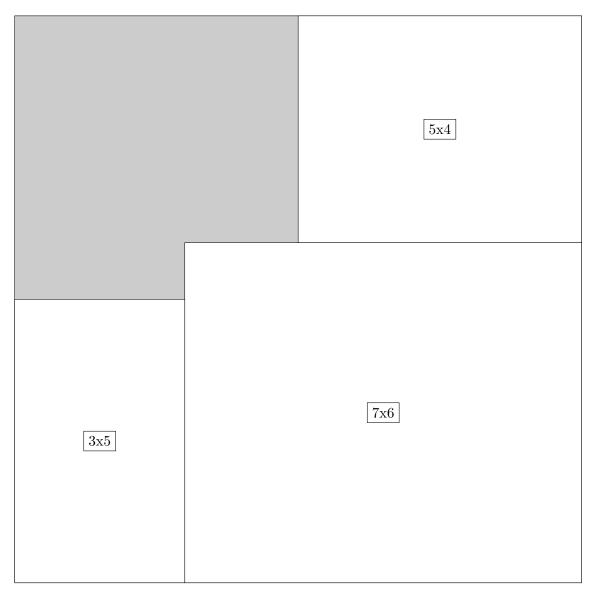


w =5 , h =5 , x =5 , y =0 , v = 25

 \mathbf{w} =1 , h =5 , x =4 , y =0 , v =5

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

 $\mathbf{w}=\!\!4$, $\mathbf{h}=\!\!10$, $\mathbf{x}=\!\!0$, $\mathbf{y}=\!\!0$, $\mathbf{v}=\!\!40$



 $\begin{array}{l} w = 7 \ , \ h = 6 \ , \ x = 3 \ , \ y = 0 \ , \ v = 42 \\ w = 5 \ , \ h = 4 \ , \ x = 5 \ , \ y = 6 \ , \ v = 20 \\ w = 3 \ , \ h = 5 \ , \ x = 0 \ , \ y = 0 \ , \ v = 15 \end{array}$

$5\mathrm{x}10$	$5\mathrm{x}10$

4x3	1x4	3x4
6x7		4x6

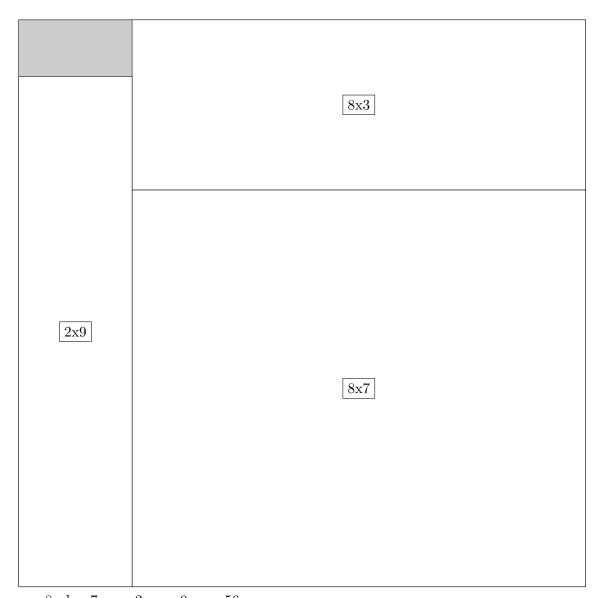
 \mathbf{w} =4 , h =6 , x =6 , y =0 , v =24

 $\le =3$, h =4 , x =7 , y =6 , v =12

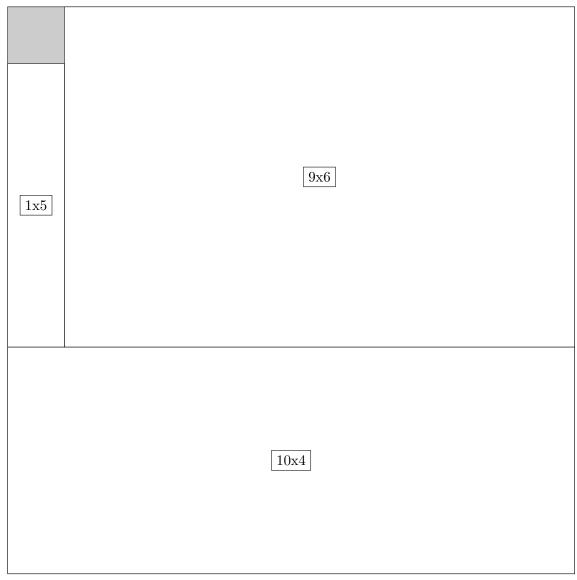
 \mathbf{w} =1 , h =4 , x =6 , y =6 , v =4

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

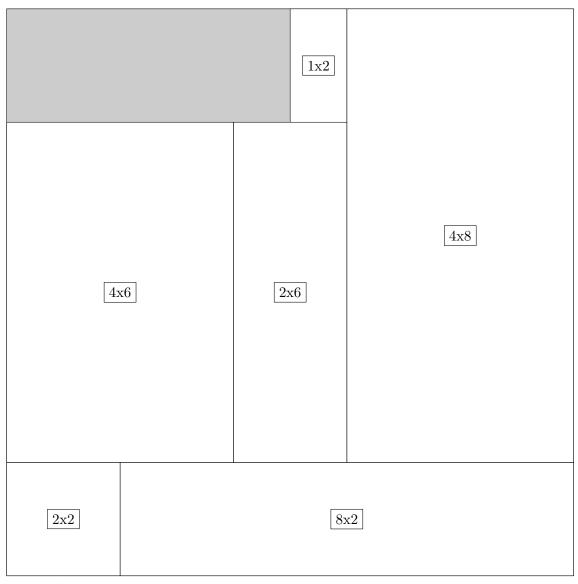
w = 4, h = 3, x = 2, y = 7, v = 12



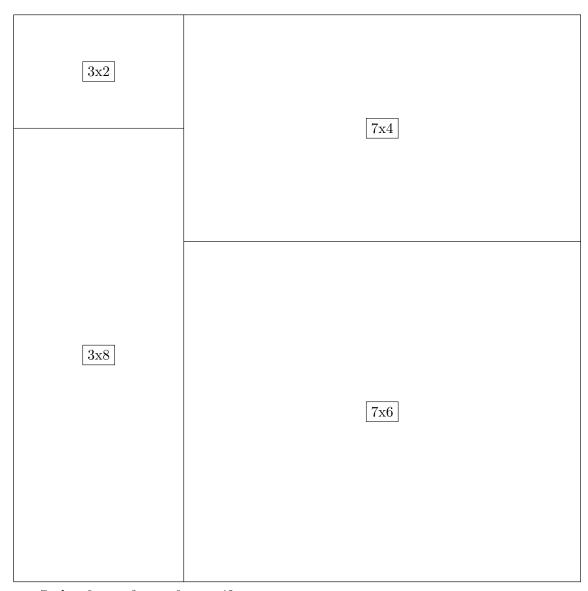
 $\begin{array}{l} w = 8 \ , \ h = 7 \ , \ x = 2 \ , \ y = 0 \ , \ v = 56 \\ w = 8 \ , \ h = 3 \ , \ x = 2 \ , \ y = 7 \ , \ v = 24 \\ w = 2 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 18 \end{array}$



$$\begin{array}{l} w = \! 10 \ , \ h = \! 4 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 40 \\ w = \! 9 \ , \ h = \! 6 \ , \ x = \! 1 \ , \ y = \! 4 \ , \ v = \! 54 \\ w = \! 1 \ , \ h = \! 5 \ , \ x = \! 0 \ , \ y = \! 4 \ , \ v = \! 5 \end{array}$$



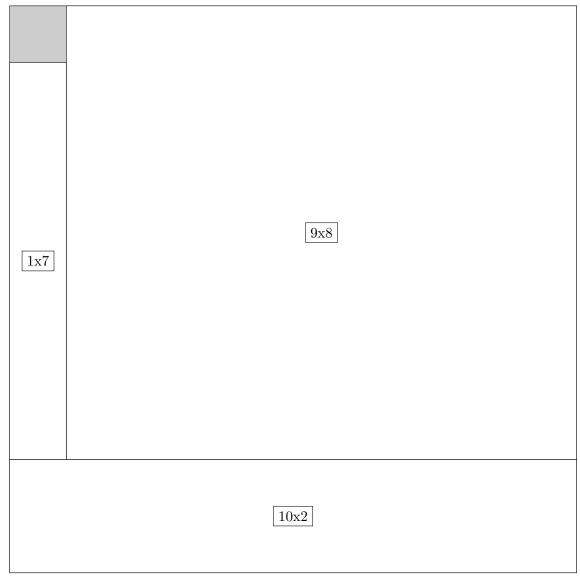
$$\begin{array}{l} w=8 \;,\, h=2 \;,\, x=2 \;,\, y=0 \;,\, v=16 \\ w=2 \;,\, h=2 \;,\, x=0 \;,\, y=0 \;,\, v=4 \\ w=4 \;,\, h=8 \;,\, x=6 \;,\, y=2 \;,\, v=32 \\ w=2 \;,\, h=6 \;,\, x=4 \;,\, y=2 \;,\, v=12 \\ w=1 \;,\, h=2 \;,\, x=5 \;,\, y=8 \;,\, v=2 \\ w=4 \;,\, h=6 \;,\, x=0 \;,\, y=2 \;,\, v=24 \end{array}$$



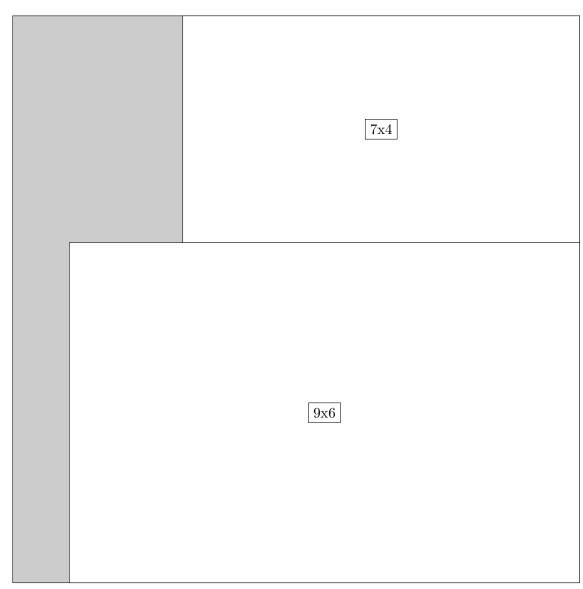
$$\begin{array}{l} w = 7 \ , \ h = 6 \ , \ x = 3 \ , \ y = 0 \ , \ v = 42 \\ w = 7 \ , \ h = 4 \ , \ x = 3 \ , \ y = 6 \ , \ v = 28 \end{array}$$

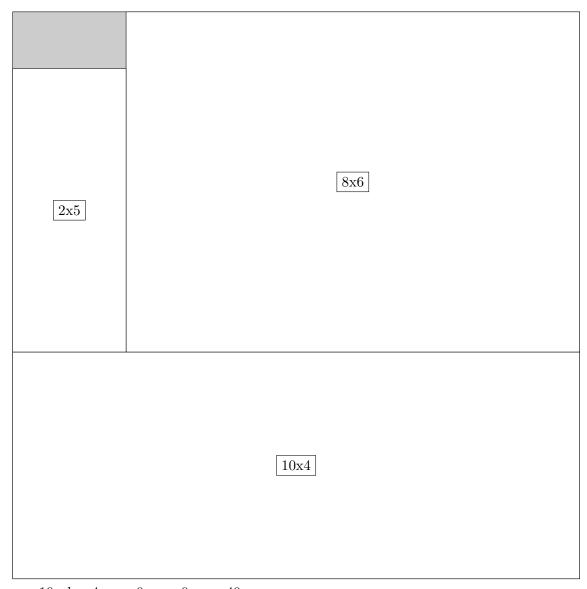
$$w = 3$$
, $h = 8$, $x = 0$, $y = 0$, $v = 24$

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

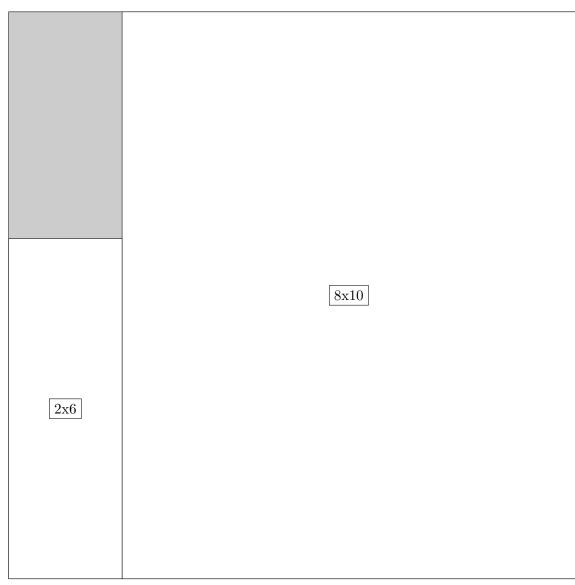


 $\begin{array}{l} w = & 10 \ , \ h = & 2 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 20 \\ w = & 9 \ , \ h = & 8 \ , \ x = & 1 \ , \ y = & 2 \ , \ v = & 72 \\ w = & 1 \ , \ h = & 7 \ , \ x = & 0 \ , \ y = & 2 \ , \ v = & 7 \end{array}$

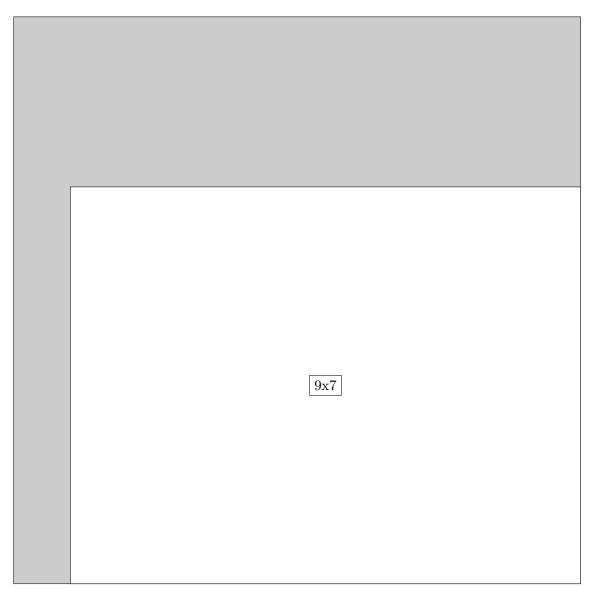




 $\begin{array}{l} w = \! 10 \ , \ h = \! 4 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 40 \\ w = \! 8 \ , \ h = \! 6 \ , \ x = \! 2 \ , \ y = \! 4 \ , \ v = \! 48 \\ w = \! 2 \ , \ h = \! 5 \ , \ x = \! 0 \ , \ y = \! 4 \ , \ v = \! 10 \end{array}$



w =8, h =10, x =2, y =0, v =80 w =2, h =6, x =0, y =0, v =12



 $\le =9$, h =7 , x =1 , y =0 , v =63