${\bf ClassName:}~{\bf Class_01.2bp\text{-}30}$

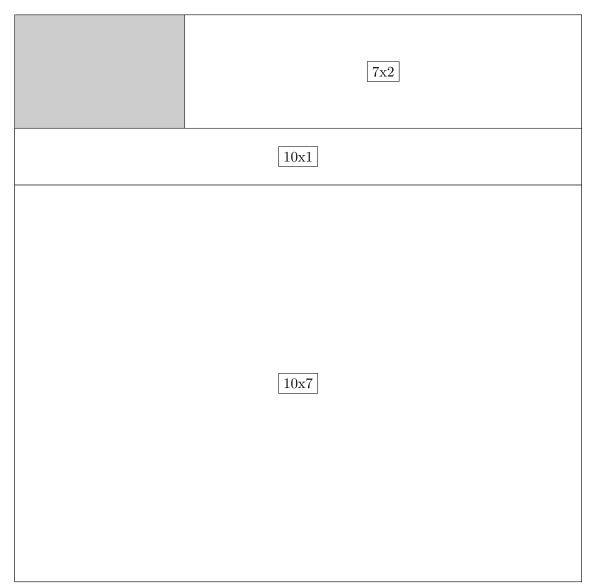
 $\begin{array}{ll} \text{BinSize: } \underline{\mathbf{10} \times \mathbf{10}} \\ \text{ReduceSize: } \underline{\mathbf{10} \times \mathbf{10}} \end{array}$

TypeNum: <u>58</u> Num: <u>80</u> OutS: <u>2500</u> InS: <u>2274</u> Rate: <u>0.910</u> UB: <u>25</u> LB: <u>25</u>

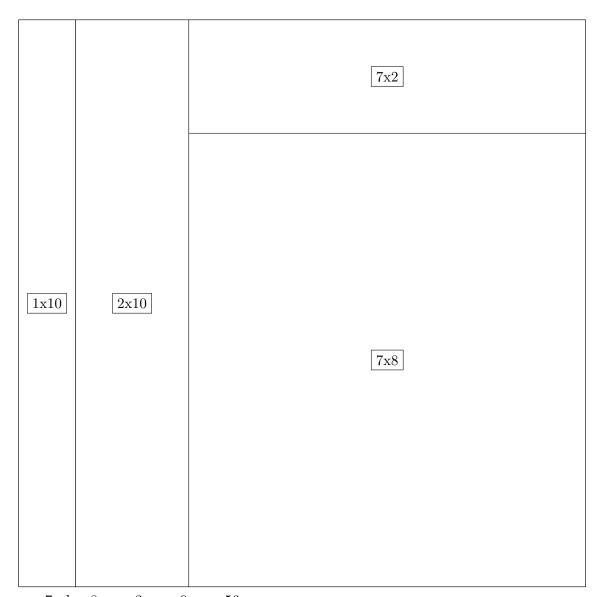
LBWithCut: $\underline{25}$ NodeCount: $\underline{0}$ PrimalNode: $\underline{0}$ ColumnCount: $\underline{25}$ TotalCutCount: $\underline{0}$ RootCutCount: $\underline{0}$ LPSolverCnt: $\underline{1}$ PricingSolverCnt: $\underline{0}$ BranchAndBoundNum: $\underline{1}$

isOpt: **true**

TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{0.000 \text{ s}}$ TimeOnRmp: $\underline{0.047 \text{ s}}$ TotalTime: $\underline{0.203 \text{ s}}$



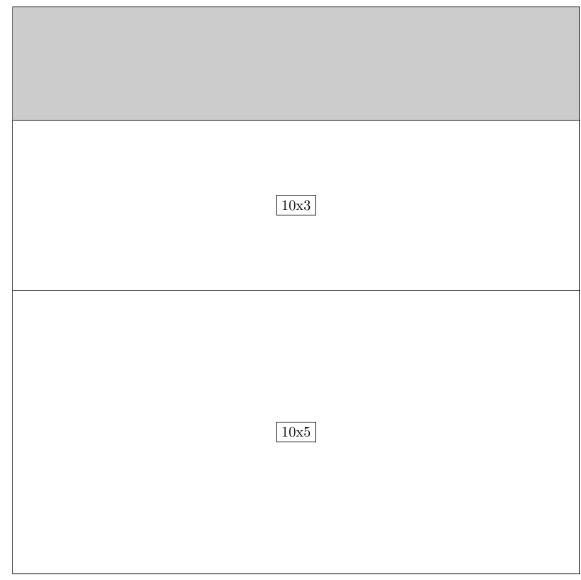
 $\begin{array}{l} w = & 10 \ , \ h = & 7 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 70 \\ w = & 10 \ , \ h = & 1 \ , \ x = & 0 \ , \ y = & 7 \ , \ v = & 10 \\ w = & 7 \ , \ h = & 2 \ , \ x = & 3 \ , \ y = & 8 \ , \ v = & 14 \end{array}$

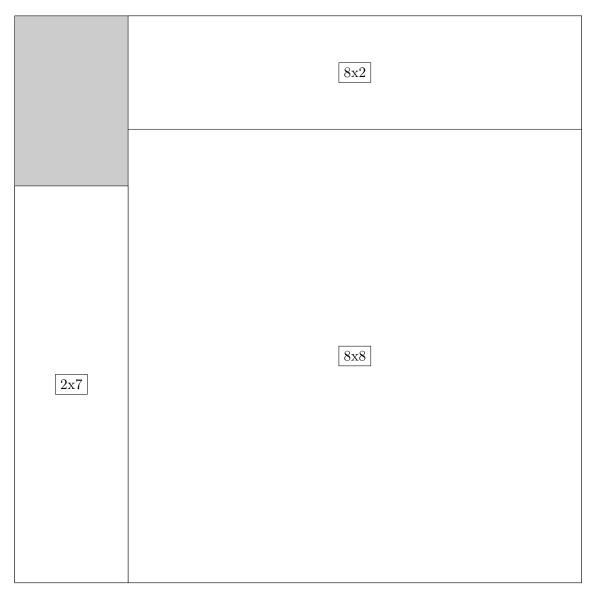


 $\begin{array}{l} w = 7 \ , \ h = 8 \ , \ x = 3 \ , \ y = 0 \ , \ v = 56 \\ w = 7 \ , \ h = 2 \ , \ x = 3 \ , \ y = 8 \ , \ v = 14 \end{array}$

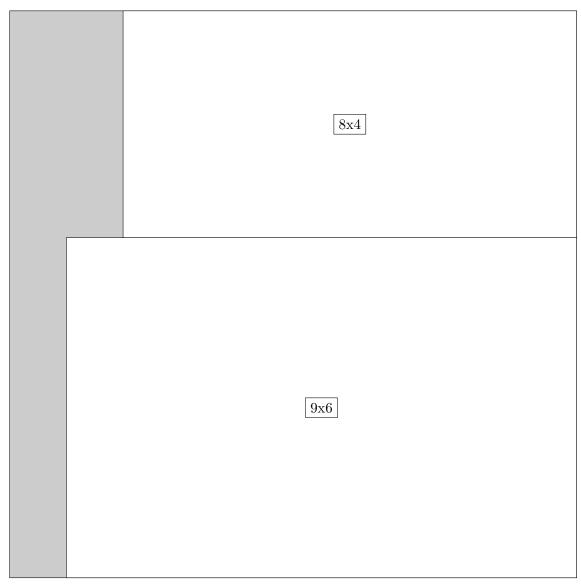
w = 2, h = 10, x = 1, y = 0, v = 20

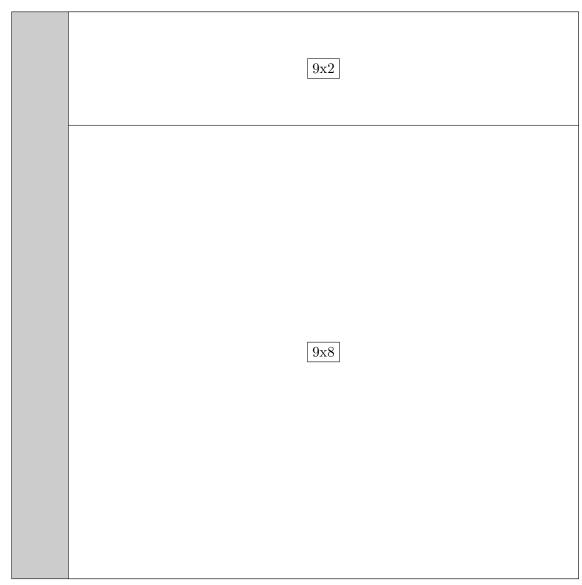
w = 1, h = 10, x = 0, y = 0, v = 10





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

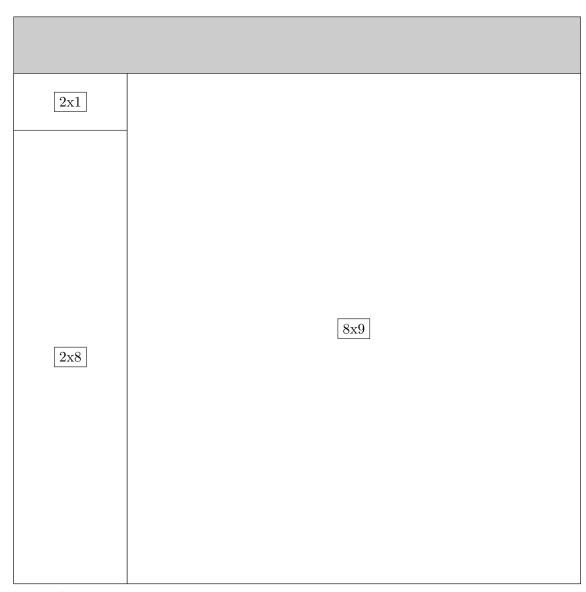




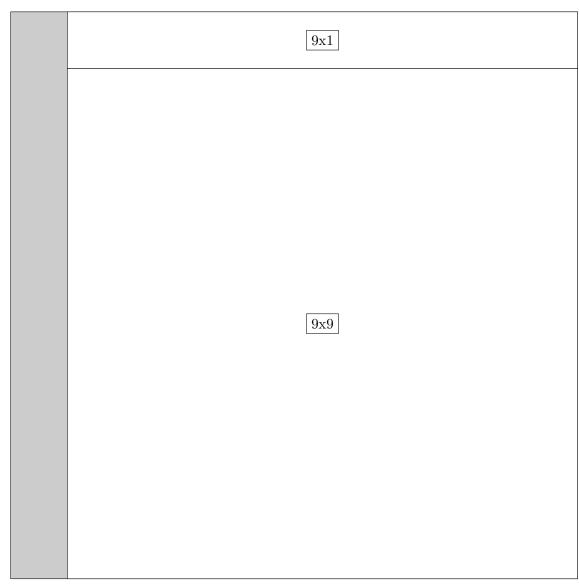
$$\begin{array}{c} w = 9 \ , \ h = 8 \ , \ x = 1 \ , \ y = 0 \ , \ v = 72 \\ w = 9 \ , \ h = 2 \ , \ x = 1 \ , \ y = 8 \ , \ v = 18 \end{array}$$

		9x5
1x5	4x5	5x5

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

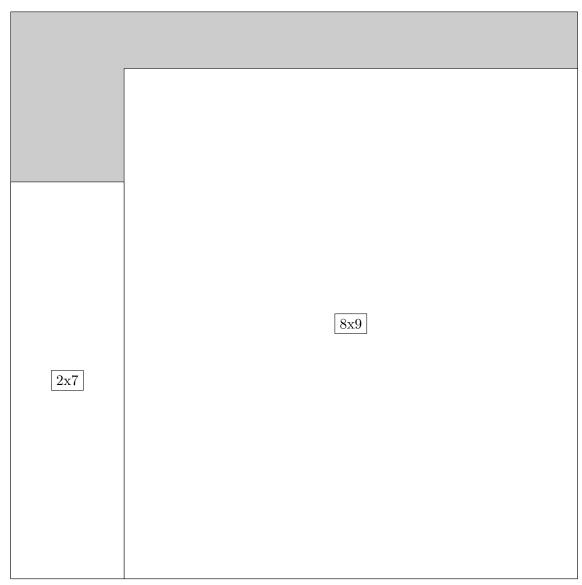


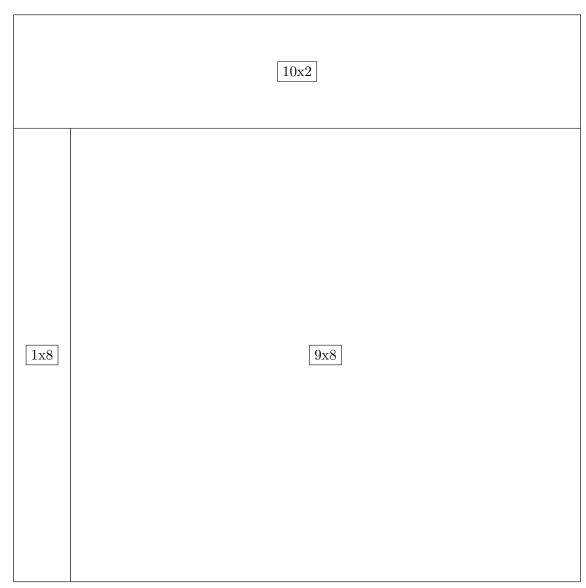
$$\begin{array}{l} w = 8 \ , \ h = 9 \ , \ x = 2 \ , \ y = 0 \ , \ v = 72 \\ w = 2 \ , \ h = 8 \ , \ x = 0 \ , \ y = 0 \ , \ v = 16 \\ w = 2 \ , \ h = 1 \ , \ x = 0 \ , \ y = 8 \ , \ v = 2 \end{array}$$



	5x2	5x2
1x8		9x8

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

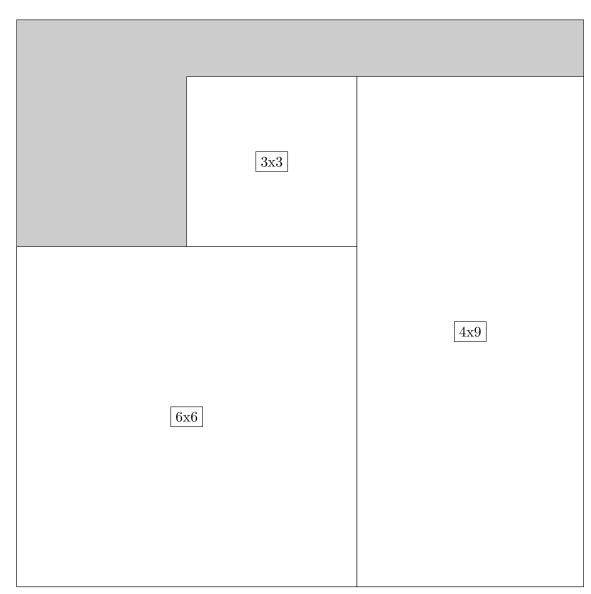




$$\begin{array}{l} w = 9 \ , \ h = 8 \ , \ x = 1 \ , \ y = 0 \ , \ v = 72 \\ w = 1 \ , \ h = 8 \ , \ x = 0 \ , \ y = 0 \ , \ v = 8 \\ w = 10 \ , \ h = 2 \ , \ x = 0 \ , \ y = 8 \ , \ v = 20 \end{array}$$

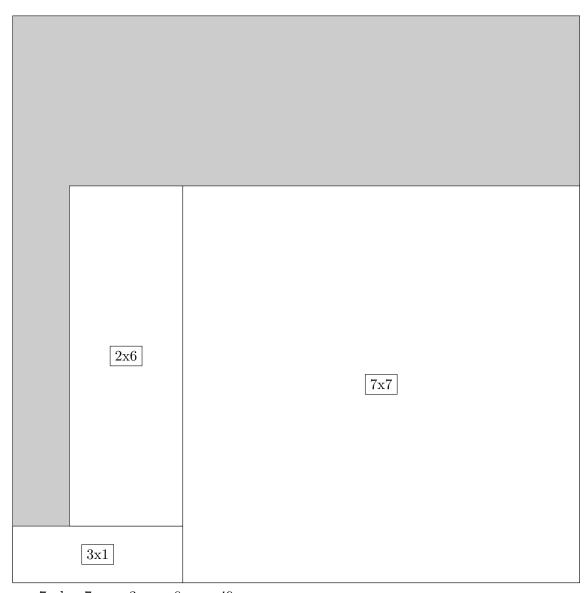
3x4	$7\mathrm{x}4$
4x6	6x6

$$\begin{array}{l} w=6\ ,\, h=6\ ,\, x=4\ ,\, y=0\ ,\, v=36\\ w=4\ ,\, h=6\ ,\, x=0\ ,\, y=0\ ,\, v=24\\ w=7\ ,\, h=4\ ,\, x=3\ ,\, y=6\ ,\, v=28\\ w=3\ ,\, h=4\ ,\, x=0\ ,\, y=6\ ,\, v=12 \end{array}$$

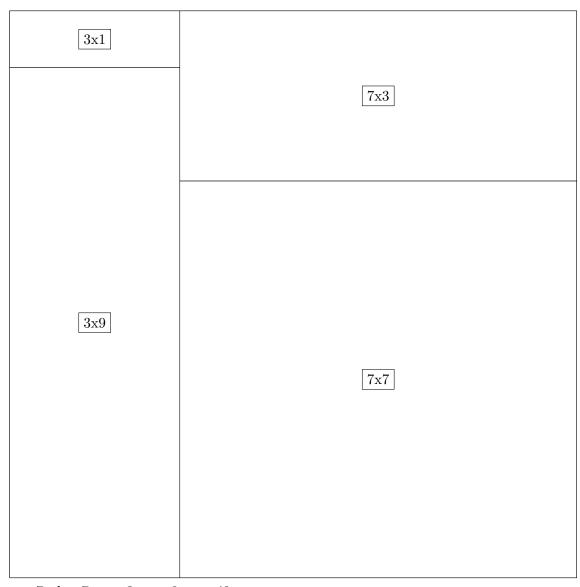


$$w = 4$$
, $h = 9$, $x = 6$, $y = 0$, $v = 36$

$$w = 3$$
, $h = 3$, $x = 3$, $y = 6$, $v = 9$



$$\begin{array}{l} w = 7 \;, \; h = 7 \;, \; x = 3 \;, \; y = 0 \;, \; v = 49 \\ w = 3 \;, \; h = 1 \;, \; x = 0 \;, \; y = 0 \;, \; v = 3 \\ w = 2 \;, \; h = 6 \;, \; x = 1 \;, \; y = 1 \;, \; v = 12 \end{array}$$

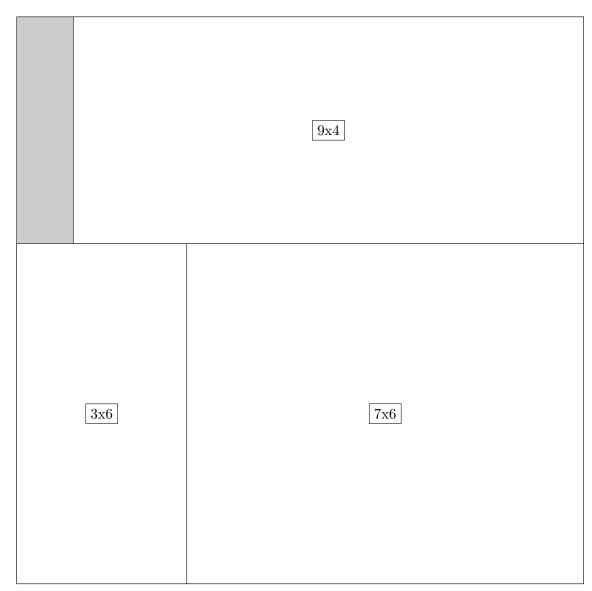


$$\mathbf{w}$$
 =7 , h =7 , x =3 , y =0 , v =49

$$\mathbf{w}$$
 =7 , h =3 , x =3 , y =7 , v =21

$$w = 3$$
 , $h = 9$, $x = 0$, $y = 0$, $v = 27$

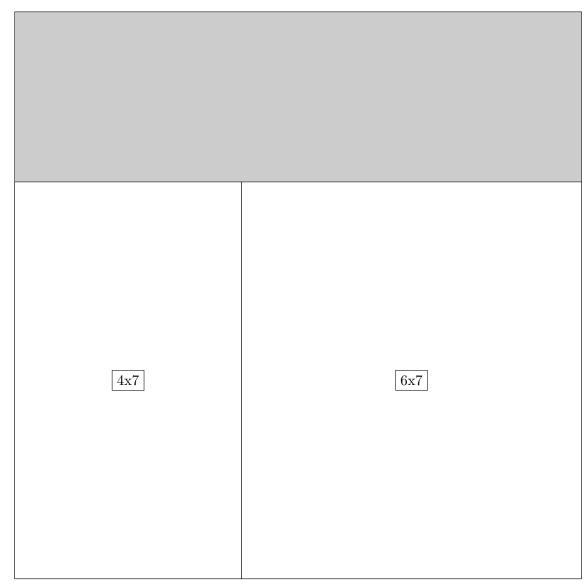
$$\mathbf{w}$$
 =3 , h =1 , x =0 , y =9 , v =3



$$\begin{array}{l} w = 7 \ , \ h = 6 \ , \ x = 3 \ , \ y = 0 \ , \ v = 42 \\ w = 3 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 18 \\ w = 9 \ , \ h = 4 \ , \ x = 1 \ , \ y = 6 \ , \ v = 36 \end{array}$$

	5x4
5x9	5x6

 $\begin{array}{l} w = 5 \ , \ h = 6 \ , \ x = 5 \ , \ y = 0 \ , \ v = 30 \\ w = 5 \ , \ h = 4 \ , \ x = 5 \ , \ y = 6 \ , \ v = 20 \\ w = 5 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 45 \end{array}$



w =6, h =7, x =4, y =0, v =42 w =4, h =7, x =0, y =0, v =28

	3x1	$\fbox{6x3}$
1x9		
TAU	3x8	$6\mathrm{x}7$

 $\begin{array}{l} w=6\ ,\, h=7\ ,\, x=4\ ,\, y=0\ ,\, v=42\\ w=6\ ,\, h=3\ ,\, x=4\ ,\, y=7\ ,\, v=18\\ w=3\ ,\, h=8\ ,\, x=1\ ,\, y=0\ ,\, v=24\\ w=3\ ,\, h=1\ ,\, x=1\ ,\, y=8\ ,\, v=3\\ w=1\ ,\, h=9\ ,\, x=0\ ,\, y=0\ ,\, v=9 \end{array}$

[3x3]	1x3	[5x3]	
4x7		6x7	

w = 6, h = 7, x = 4, y = 0, v = 42

w =5 , h =3 , x =5 , y =7 , v = 15

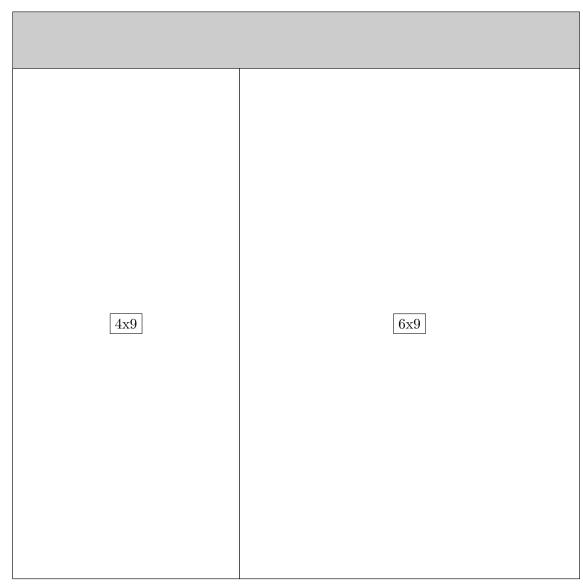
w = 1, h = 3, x = 4, y = 7, v = 3

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

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

	8x3		
42	x7		6x7

 $\begin{array}{l} w = 6 \ , \ h = 7 \ , \ x = 4 \ , \ y = 0 \ , \ v = 42 \\ w = 4 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 28 \\ w = 8 \ , \ h = 3 \ , \ x = 2 \ , \ y = 7 \ , \ v = 24 \end{array}$



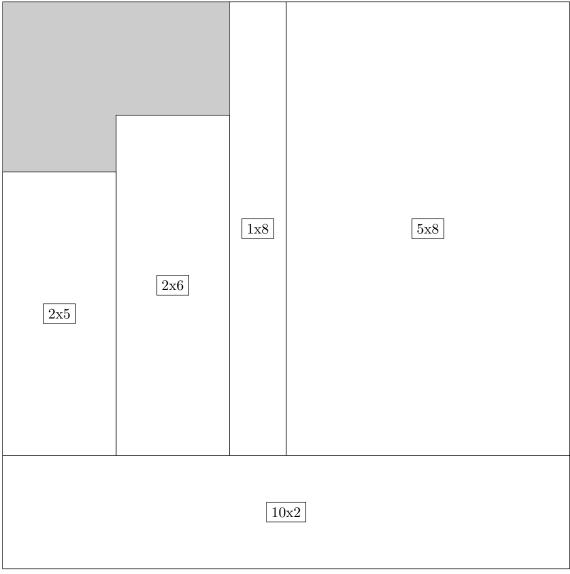
w =6, h =9, x =4, y =0, v =54 w =4, h =9, x =0, y =0, v =36

	6x1
4x1	
4x8	6x9

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

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

 $\mathbf{w}=\!\!4$, $\mathbf{h}=\!\!1$, $\mathbf{x}=\!\!0$, $\mathbf{y}=\!\!8$, $\mathbf{v}=\!\!4$



$$\mathbf{w}$$
 =10 , h =2 , x =0 , y =0 , v =20

$$\mathbf{w}$$
 =5 , h =8 , x =5 , y =2 , v =40

$$\mathbf{w}$$
 =1 , h =8 , x =4 , y =2 , v =8

$$\mathbf{w}$$
 =2 , h =6 , x =2 , y =2 , v =12

$$\mathbf{w}$$
 =2 , h =5 , x =0 , y =2 , v =10