${\bf ClassName:}~{\bf Class\_01.2bp\text{-}22}$ 

BinSize:  $10 \times 10$ ReduceSize:  $10 \times 10$ 

TypeNum:  $\underline{44}$ Num: **60** OutS: **2100** InS: 1817Rate: 0.865UB: **21** 

LB0: **21** LB: **21** 

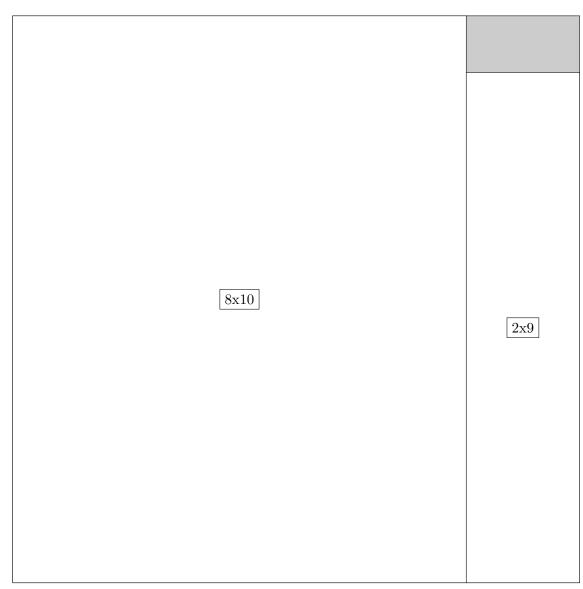
LBWithCut: 21 NodeCut: **0** 

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

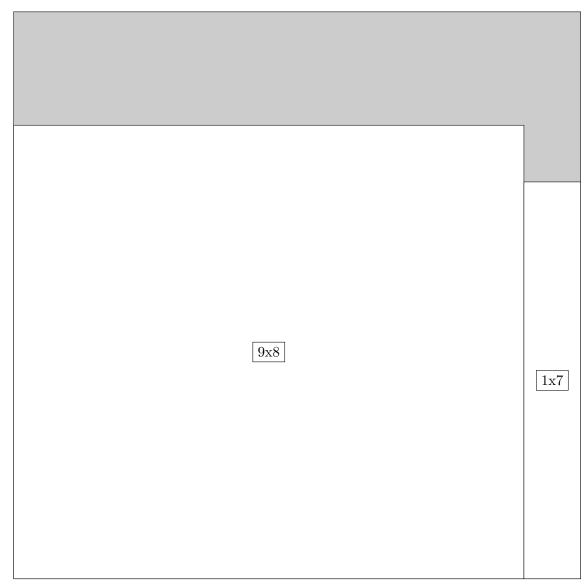
GenNodeCnt:  $\mathbf{1}$ PrimalNode:  $\mathbf{0}$ ColumnCount: 21  $TotalCutCount: \ \mathbf{0}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

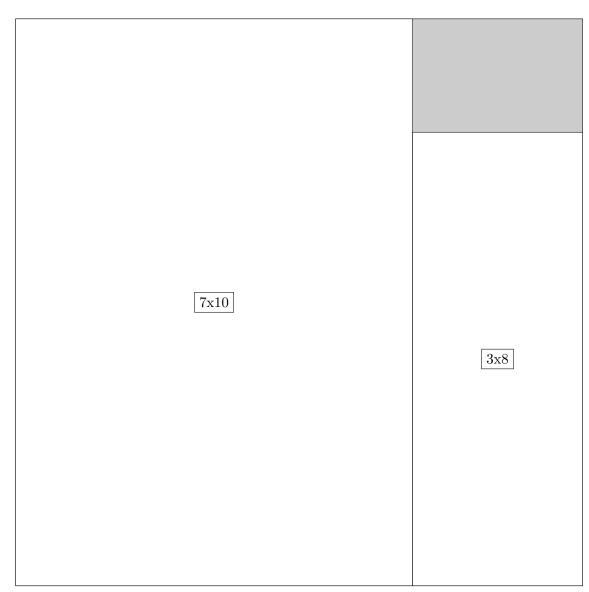
is Opt:  $\underline{\mathbf{true}}$ 

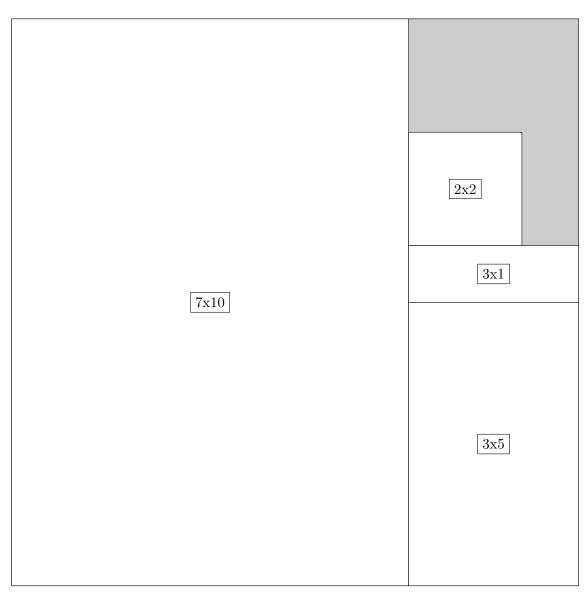
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.079 sTotalTime: 0.125 s



w =8, h =10, x =0, y =0, v =80 w =2, h =9, x =8, y =0, v =18





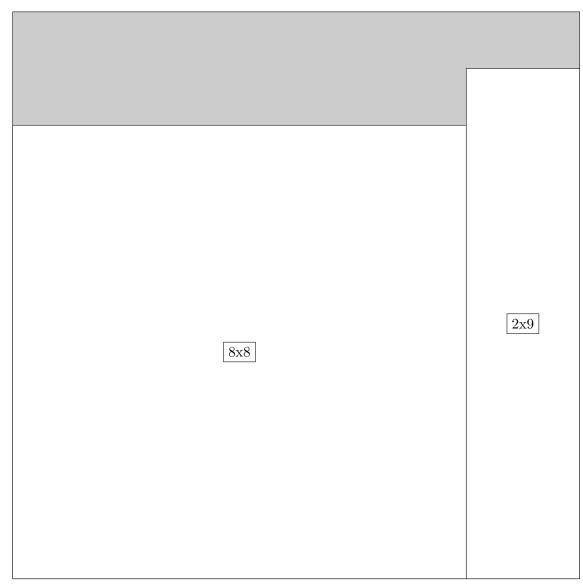


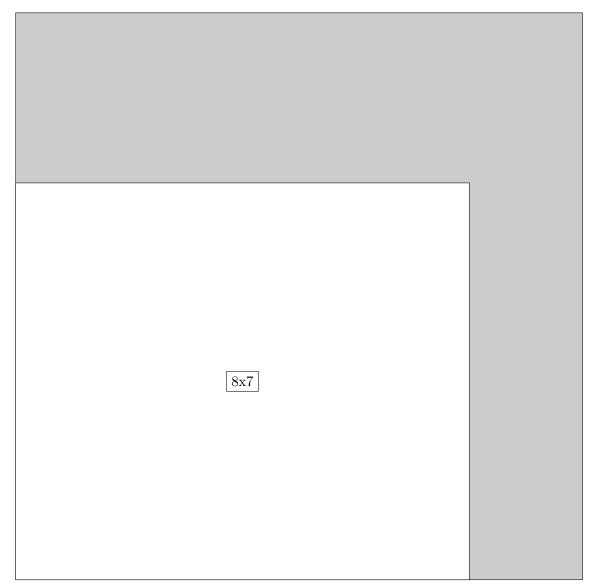
$$\mathbf{w}$$
 =7 , h =10 , x =0 , y =0 , v =70

$$\mathbf{w}$$
 =3 , h =5 , x =7 , y =0 , v =  
15

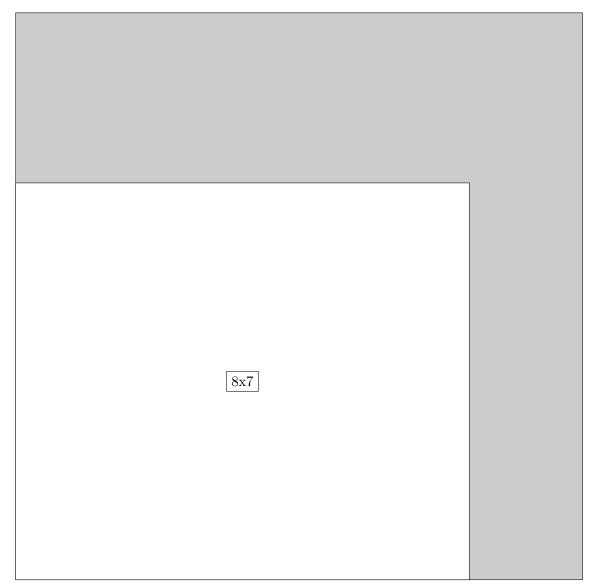
$$\mathbf{w}$$
 =2 , h =2 , x =7 , y =6 , v =4

$$\mathbf{w}$$
 =3 , h =1 , x =7 , y =5 , v =3

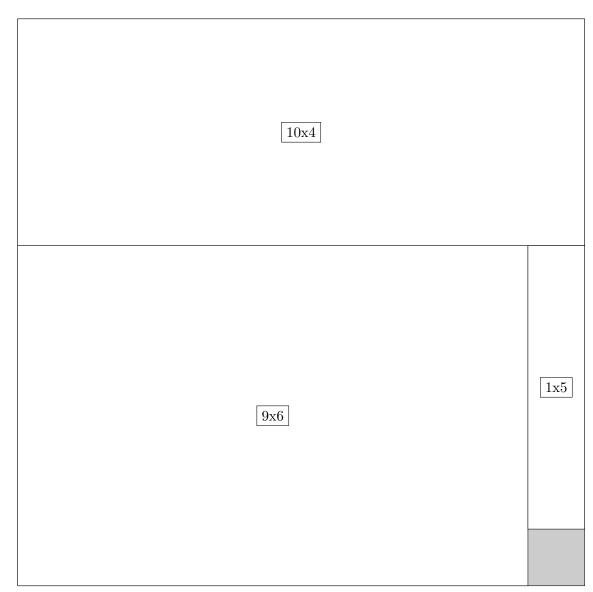




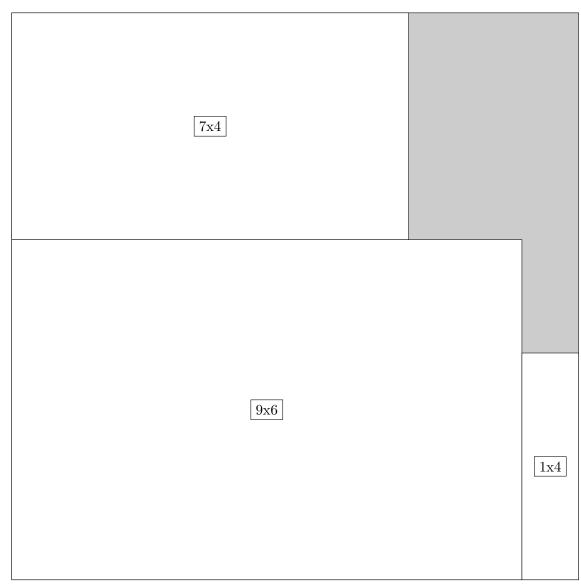
 $\mathbf{w}$  =8 , h =7 , x =0 , y =0 , v = 56



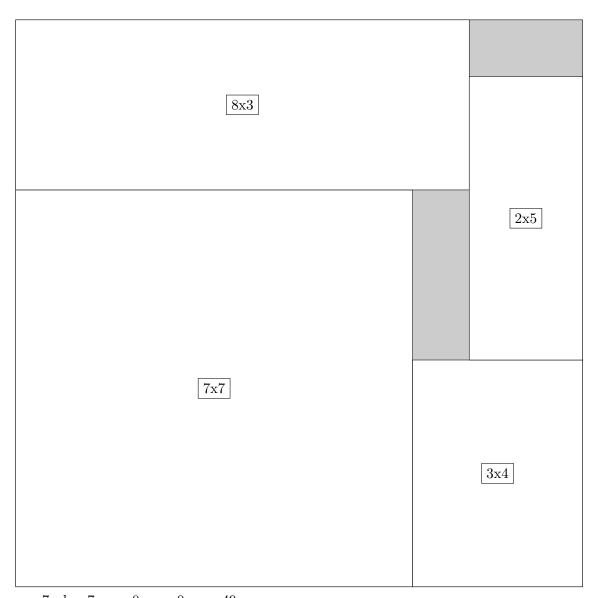
 $\mathbf{w}$  =8 , h =7 , x =0 , y =0 , v = 56



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



$$\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 54 \\ w = 7 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 28 \\ w = 1 \ , \ h = 4 \ , \ x = 9 \ , \ y = 0 \ , \ v = 4 \end{array}$$



$$\begin{array}{l} w = 7 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 49 \\ w = 8 \ , \ h = 3 \ , \ x = 0 \ , \ y = 7 \ , \ v = 24 \end{array}$$

$$w = 0$$
,  $n = 0$ ,  $x = 0$ ,  $y = 1$ ,  $v = 24$   
 $w = 3$   $b = 4$   $v = 7$   $v = 0$   $v = 12$ 

$$\mathbf{w}$$
 =3 , h =4 , x =7 , y =0 , v =12

$$\mathbf{w}$$
 =2 , h =5 , x =8 , y =4 , v =10

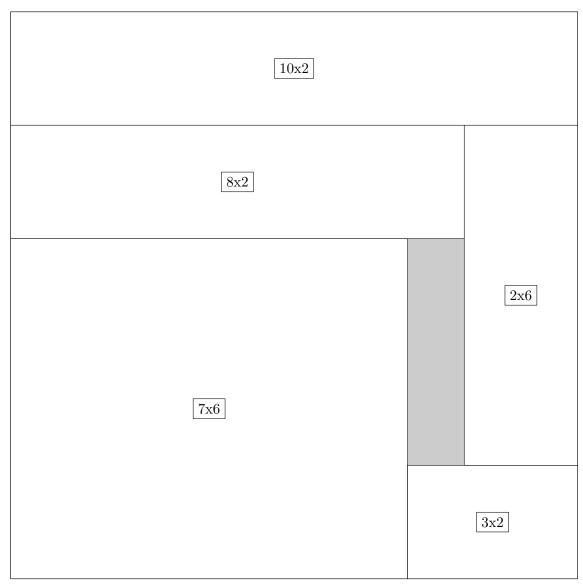
$10\mathrm{x}4$	
8x6	2x6

$$\begin{array}{l} w = 8 \;,\; h = 6 \;,\; x = 0 \;,\; y = 0 \;,\; v = 48 \\ w = 10 \;,\; h = 4 \;,\; x = 0 \;,\; y = 6 \;,\; v = 40 \\ w = 2 \;,\; h = 6 \;,\; x = 8 \;,\; y = 0 \;,\; v = 12 \end{array}$$

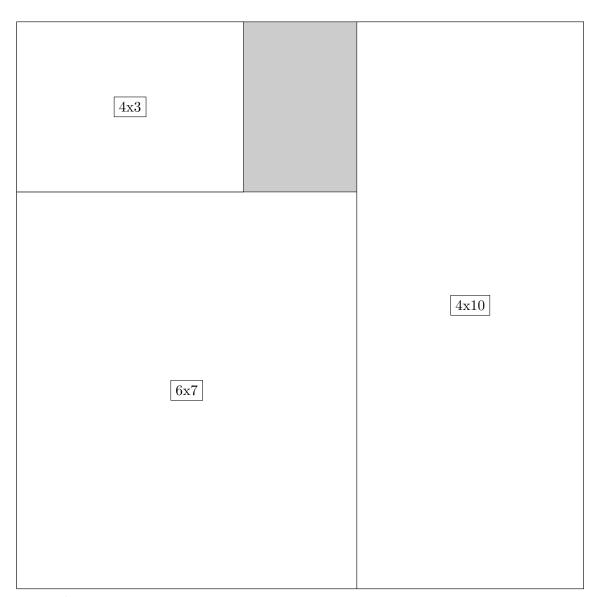
7x4	
7x6	3x9

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

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



$$\begin{array}{l} w=7\ ,\ h=6\ ,\ x=0\ ,\ y=0\ ,\ v=42\\ w=10\ ,\ h=2\ ,\ x=0\ ,\ y=8\ ,\ v=20\\ w=8\ ,\ h=2\ ,\ x=0\ ,\ y=6\ ,\ v=16\\ w=2\ ,\ h=6\ ,\ x=8\ ,\ y=2\ ,\ v=12\\ w=3\ ,\ h=2\ ,\ x=7\ ,\ y=0\ ,\ v=6 \end{array}$$



 $\begin{array}{l} w=6 \ , \ h=7 \ , \ x=0 \ , \ y=0 \ , \ v=42 \\ w=4 \ , \ h=10 \ , \ x=6 \ , \ y=0 \ , \ v=40 \\ w=4 \ , \ h=3 \ , \ x=0 \ , \ y=7 \ , \ v=12 \end{array}$ 

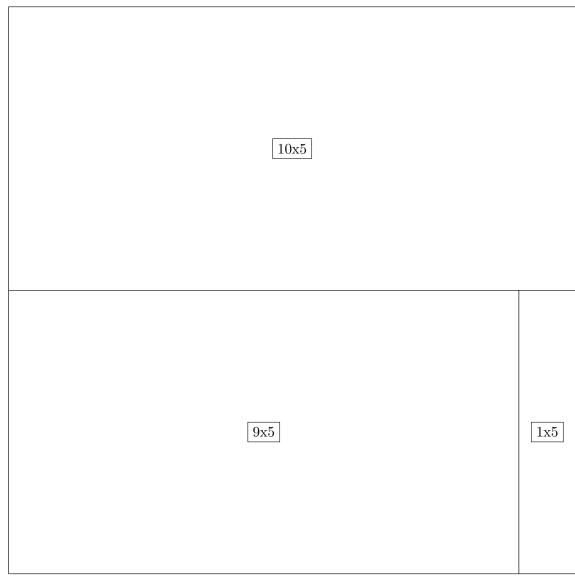
4x1		
		1x2
	9x7	1x5

$$\mathbf{w}$$
 =9 ,  $\mathbf{h}$  =7 ,  $\mathbf{x}$  =0 ,  $\mathbf{y}$  =0 ,  $\mathbf{v}$  =63

$$\mathbf{w}$$
 =1 , h =5 , x =9 , y =0 , v =5

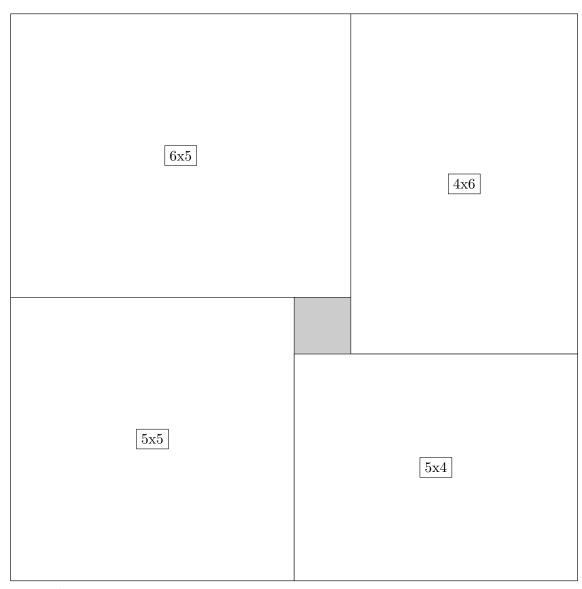
$$\mathbf{w}$$
 =4 , h =1 , x =0 , y =7 , v =4

$$\mathbf{w}$$
 =1 , h =2 , x =9 , y =5 , v =2



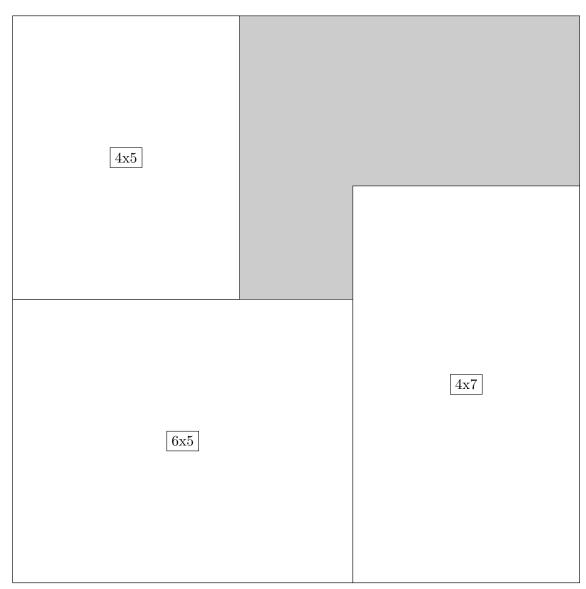
$$\begin{array}{l} w = \! 10 \ , \ h = \! 5 \ , \ x = \! 0 \ , \ y = \! 5 \ , \ v = \! 50 \\ w = \! 9 \ , \ h = \! 5 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 45 \\ w = \! 1 \ , \ h = \! 5 \ , \ x = \! 9 \ , \ y = \! 0 \ , \ v = \! 5 \end{array}$$

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



$$\begin{array}{l} w = 6 \ , \ h = 5 \ , \ x = 0 \ , \ y = 5 \ , \ v = 30 \\ w = 5 \ , \ h = 5 \ , \ x = 0 \ , \ y = 0 \ , \ v = 25 \\ w = 4 \ , \ h = 6 \ , \ x = 6 \ , \ y = 4 \ , \ v = 24 \end{array}$$

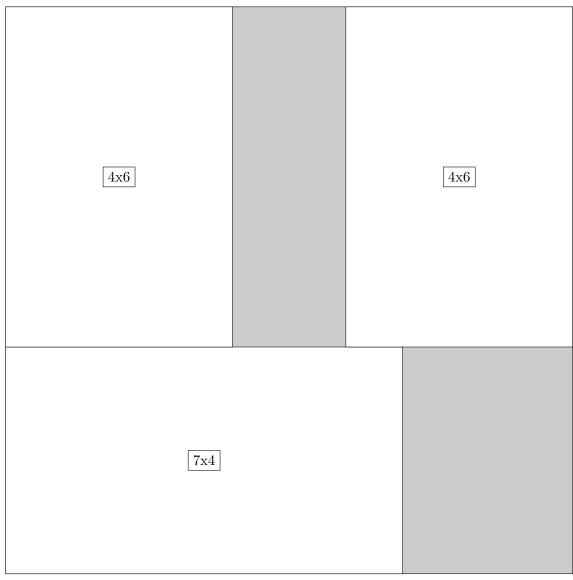
 $\mathbf{w}=\!5$  ,  $\mathbf{h}=\!\!4$  ,  $\mathbf{x}=\!\!5$  ,  $\mathbf{y}=\!\!0$  ,  $\mathbf{v}=\!\!20$ 



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

$$\mathbf{w}$$
 =4 , h =7 , x =6 , y =0 , v =28

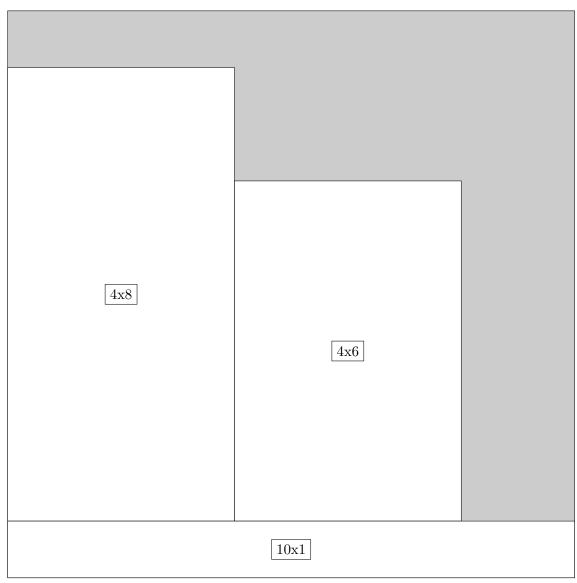
$$\mathbf{w}$$
 =4 , h =5 , x =0 , y =5 , v =20



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

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

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



 $\begin{array}{l} w = \! 4 \ , \ h = \! 8 \ , \ x = \! 0 \ , \ y = \! 1 \ , \ v = \! 32 \\ w = \! 4 \ , \ h = \! 6 \ , \ x = \! 4 \ , \ y = \! 1 \ , \ v = \! 24 \\ w = \! 10 \ , \ h = \! 1 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 10 \end{array}$