${\bf ClassName:}\ {\bf Class\_01.2bp\text{-}38}$ 

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

TypeNum:  $\underline{61}$ Num: **80** OutS: **3000** InS: 2787Rate: 0.929UB: **30** 

LB0: **30** LB: **30** 

LBWithCut: 30 NodeCut: 0

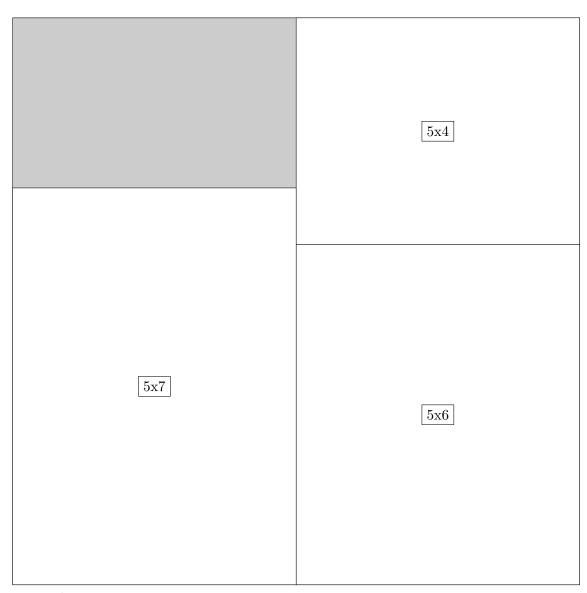
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\mathbf{1}$ PrimalNode:  $\mathbf{0}$ ColumnCount: 30  $TotalCutCount: \ \mathbf{0}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\mathbf{0}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

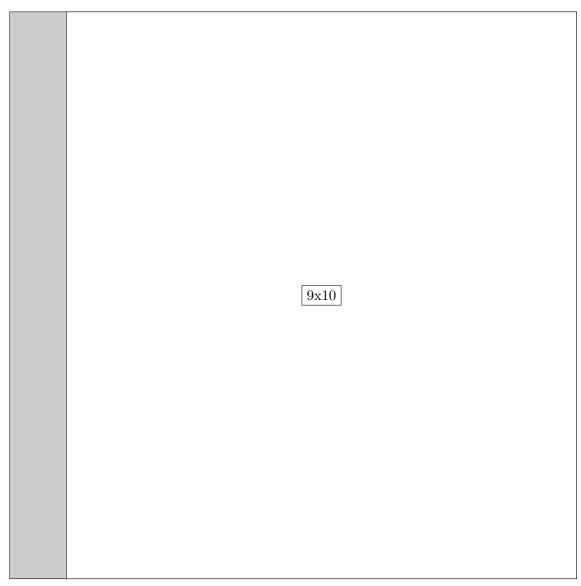
isOpt:  $\underline{\mathbf{true}}$ 

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 s TimeOnRmp: 0.078 sTotal Time: 600.359 s



 $\begin{array}{l} w = 5 \ , \ h = 6 \ , \ x = 5 \ , \ y = 0 \ , \ v = 30 \\ w = 5 \ , \ h = 4 \ , \ x = 5 \ , \ y = 6 \ , \ v = 20 \\ w = 5 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 35 \end{array}$ 



 $\le =9$  , h =10 , x =1 , y =0 , v =90



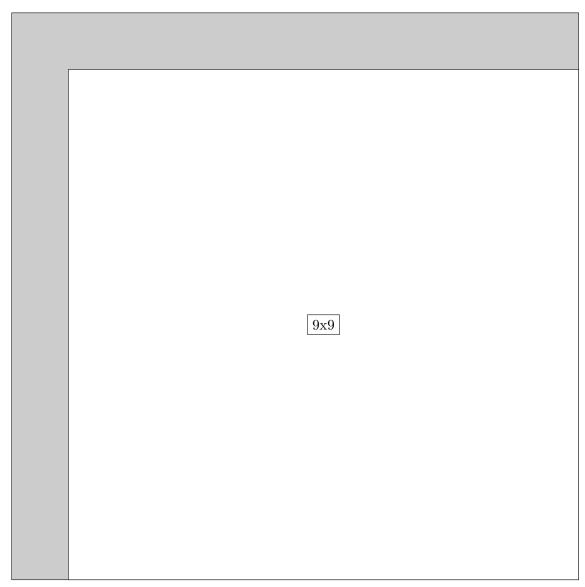
$$w = 10$$
,  $h = 5$ ,  $x = 0$ ,  $y = 0$ ,  $v = 50$ 

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

$$\mathbf{w}$$
 =4 , h =3 , x =1 , y =5 , v =12

$$\mathbf{w}$$
 =1 , h =2 , x =0 , y =5 , v =2

$$w = 3$$
,  $h = 2$ ,  $x = 2$ ,  $y = 8$ ,  $v = 6$ 



 $\mathbf{w}$  =9 , h =9 , x =1 , y =0 , v =81

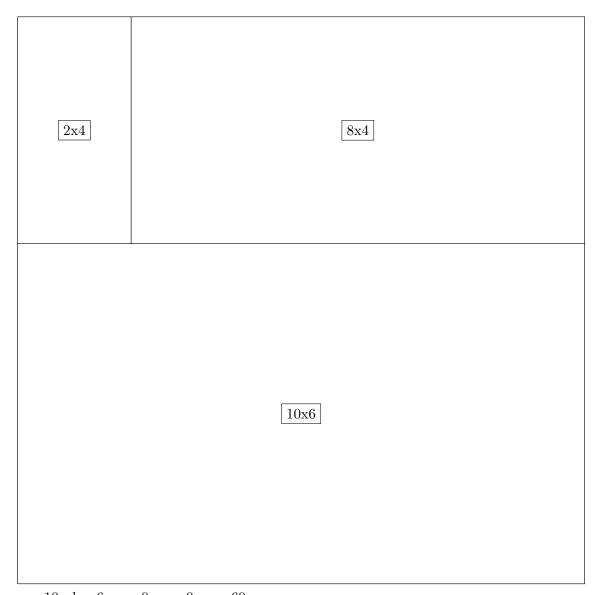
	6x2
4x10	6x4
	6x4

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

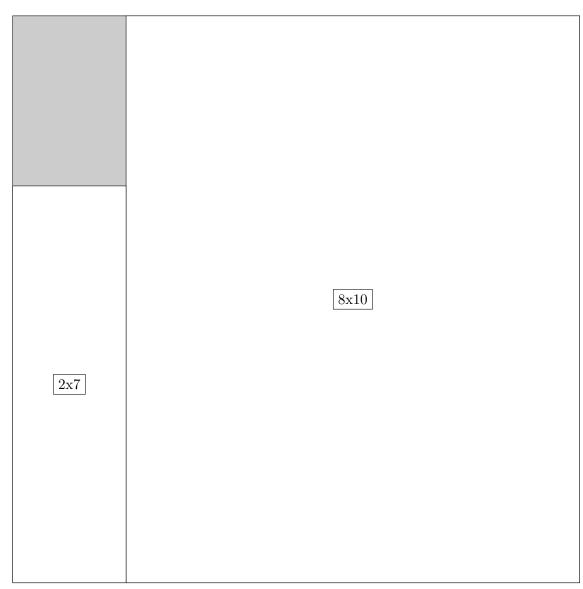
 $\mathbf{w}$  =6 , h =4 , x =4 , y =4 , v =24

 $\mathbf{w}$  =6 , h =2 , x =4 , y =8 , v =12

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



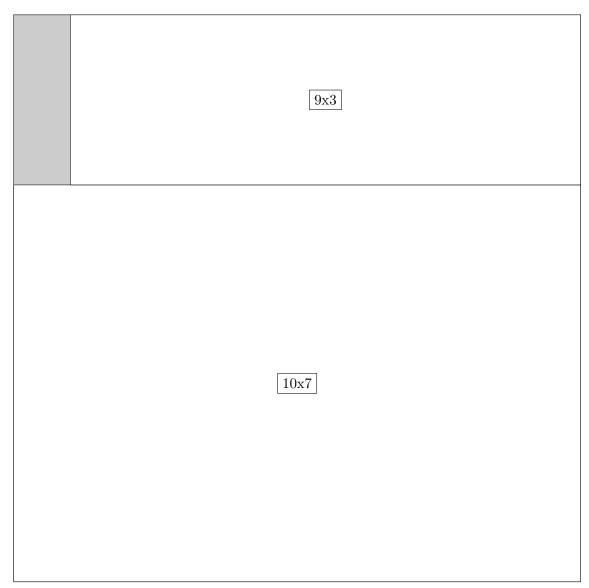
$$\begin{array}{l} w = & 10 \ , \ h = & 6 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 60 \\ w = & 8 \ , \ h = & 4 \ , \ x = & 2 \ , \ y = & 6 \ , \ v = & 32 \\ w = & 2 \ , \ h = & 4 \ , \ x = & 0 \ , \ y = & 6 \ , \ v = & 8 \end{array}$$



w =8, h =10, x =2, y =0, v =80 w =2, h =7, x =0, y =0, v =14

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





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

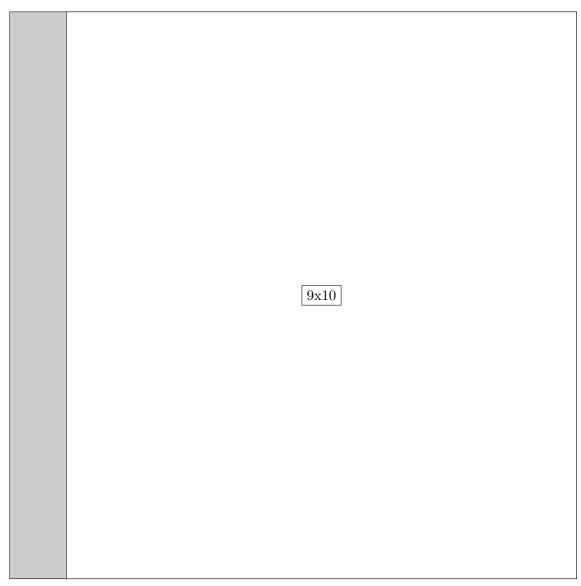
	2x5	$6\mathrm{x}5$	
1x5		9x5	

 $\begin{array}{l} w = 9 \ , \ h = 5 \ , \ x = 1 \ , \ y = 0 \ , \ v = 45 \\ w = 1 \ , \ h = 5 \ , \ x = 0 \ , \ y = 0 \ , \ v = 5 \\ w = 6 \ , \ h = 5 \ , \ x = 4 \ , \ y = 5 \ , \ v = 30 \\ w = 2 \ , \ h = 5 \ , \ x = 2 \ , \ y = 5 \ , \ v = 10 \end{array}$ 



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



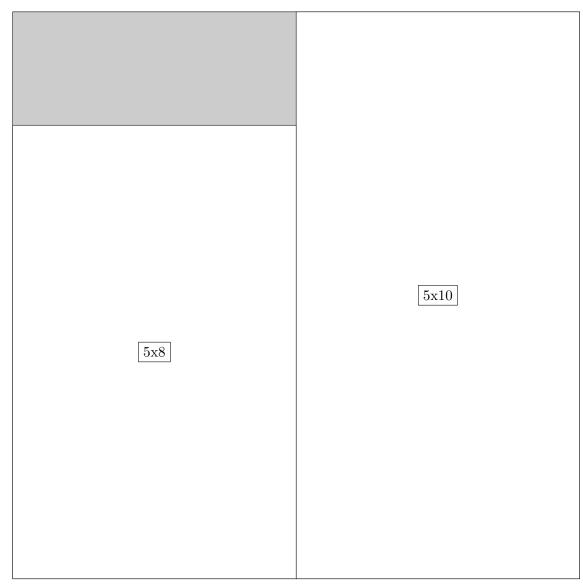


 $\le =9$  , h =10 , x =1 , y =0 , v =90

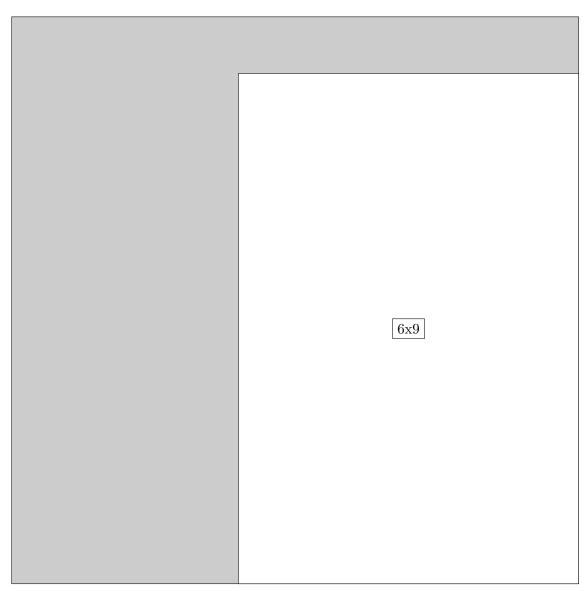
		6x2
1x10	3x10	6x8

 $\begin{array}{l} w = 6 \ , \ h = 8 \ , \ x = 4 \ , \ y = 0 \ , \ v = 48 \\ w = 6 \ , \ h = 2 \ , \ x = 4 \ , \ y = 8 \ , \ v = 12 \\ w = 3 \ , \ h = 10 \ , \ x = 1 \ , \ y = 0 \ , \ v = 30 \end{array}$ 

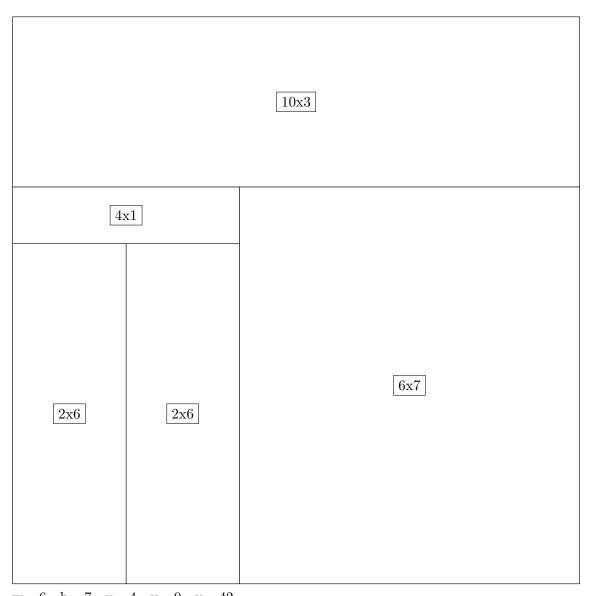
 $\mathbf{w} = \! 1$  ,  $\mathbf{h} = \! 10$  ,  $\mathbf{x} = \! 0$  ,  $\mathbf{y} = \! 0$  ,  $\mathbf{v} = \! 10$ 



w =5, h =10, x =5, y =0, v =50 w =5, h =8, x =0, y =0, v =40



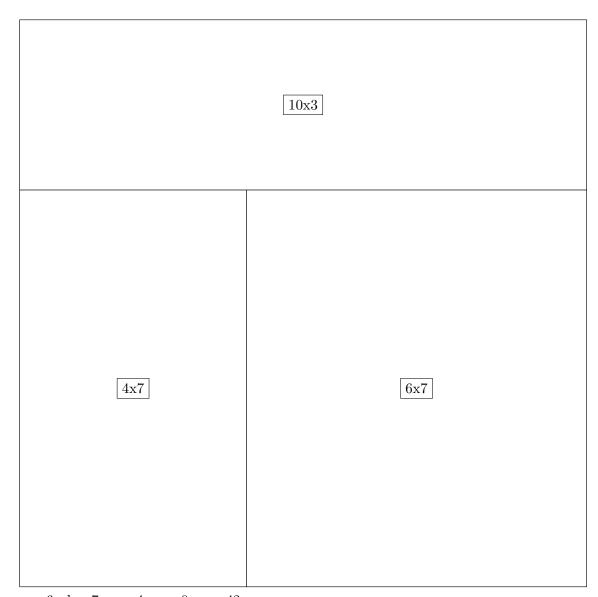
 $\mathbf{w}$  =6 , h =9 , x =4 , y =0 , v = 54



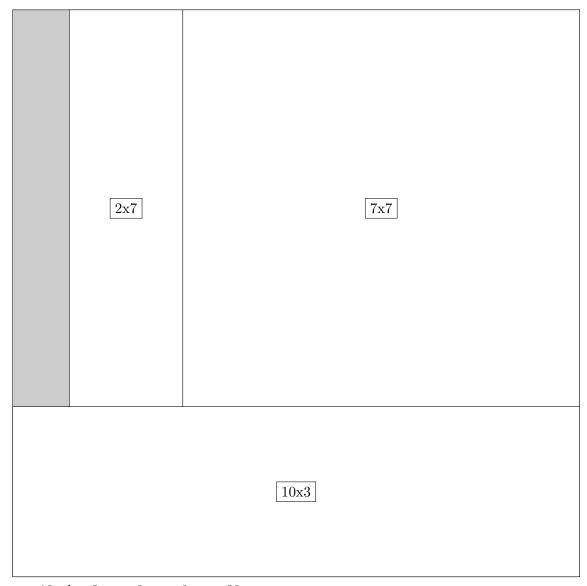
$$\begin{array}{l} w = 6 \ , \ h = 7 \ , \ x = 4 \ , \ y = 0 \ , \ v = 42 \\ w = 2 \ , \ h = 6 \ , \ x = 2 \ , \ y = 0 \ , \ v = 12 \\ w = 2 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 12 \end{array}$$

 $\mathbf{w}$  =4 , h =1 , x =0 , y =6 , v =4

 $\mathbf{w}$  =10 , h =3 , x =0 , y =7 , v =30



$$\begin{array}{l} w = 6 \;,\; h = 7 \;,\; x = 4 \;,\; y = 0 \;,\; v = 42 \\ w = 4 \;,\; h = 7 \;,\; x = 0 \;,\; y = 0 \;,\; v = 28 \\ w = 10 \;,\; h = 3 \;,\; x = 0 \;,\; y = 7 \;,\; v = 30 \end{array}$$

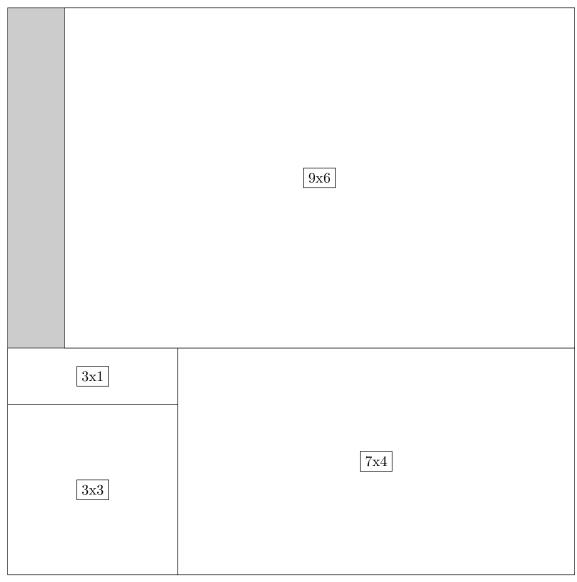


 $\begin{array}{l} w = \! 10 \ , \ h = \! 3 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 30 \\ w = \! 7 \ , \ h = \! 7 \ , \ x = \! 3 \ , \ y = \! 3 \ , \ v = \! 49 \end{array}$ 

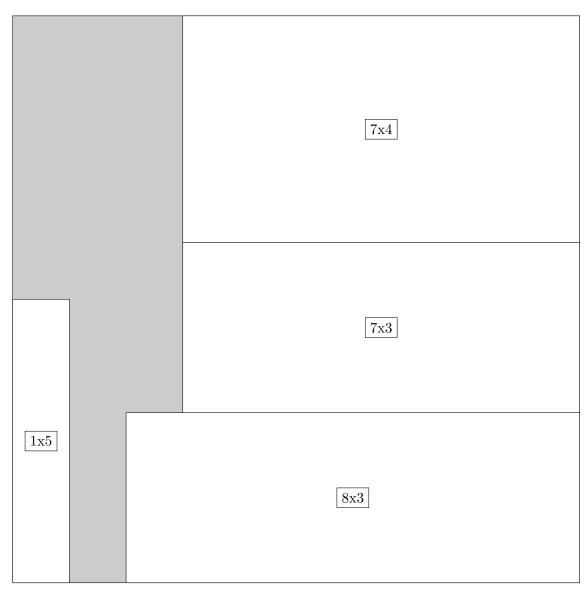
 $\mathbf{w}$  =2 , h =7 , x =1 , y =3 , v = 14

1x9	3x9	6x9

 $\begin{array}{l} w = 6 \ , \, h = 9 \ , \, x = 4 \ , \, y = 0 \ , \, v = 54 \\ w = 3 \ , \, h = 9 \ , \, x = 1 \ , \, y = 0 \ , \, v = 27 \\ w = 1 \ , \, h = 9 \ , \, x = 0 \ , \, y = 0 \ , \, v = 9 \end{array}$ 



$$\begin{array}{l} w = 7 \ , \ h = 4 \ , \ x = 3 \ , \ y = 0 \ , \ v = 28 \\ w = 3 \ , \ h = 3 \ , \ x = 0 \ , \ y = 0 \ , \ v = 9 \\ w = 3 \ , \ h = 1 \ , \ x = 0 \ , \ y = 3 \ , \ v = 3 \\ w = 9 \ , \ h = 6 \ , \ x = 1 \ , \ y = 4 \ , \ v = 54 \end{array}$$

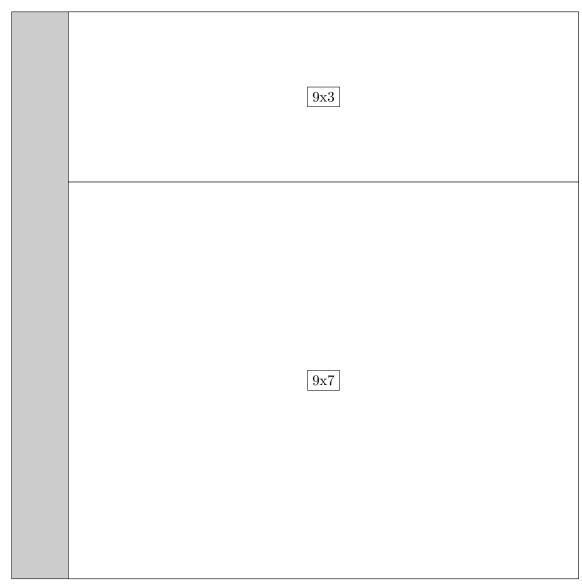


w = 8, h = 3, x = 2, y = 0, v = 24

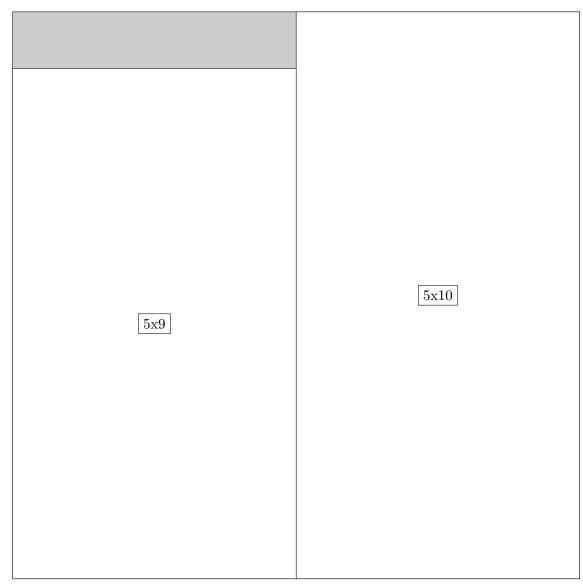
 $\mathbf{w}$  =7 , h =3 , x =3 , y =3 , v =21

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

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



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

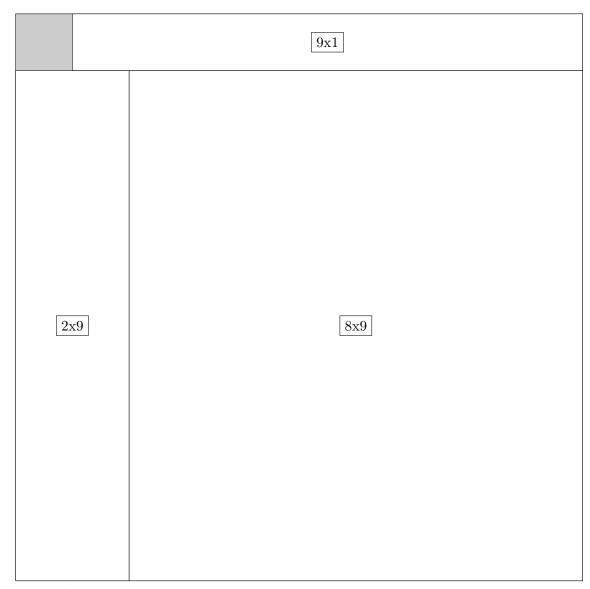


w =5, h =10, x =5, y =0, v =50 w =5, h =9, x =0, y =0, v =45

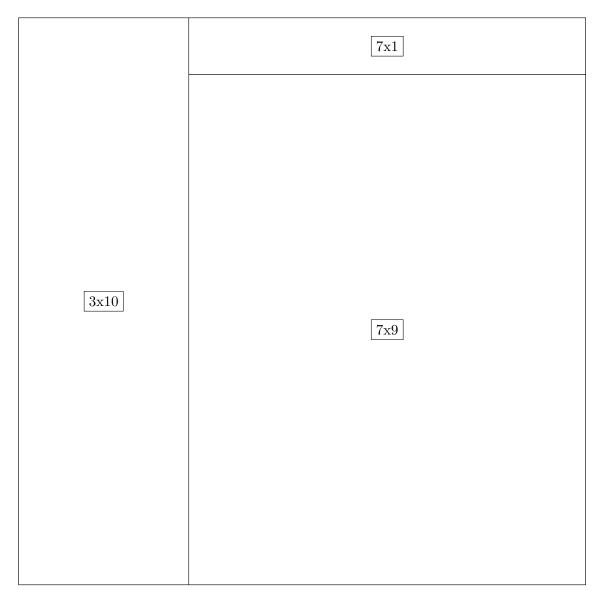
		2x1
[4x9]	$\boxed{6\mathrm{x}9}$	

 $\begin{array}{l} w = 6 \ , \ h = 9 \ , \ x = 4 \ , \ y = 0 \ , \ v = 54 \\ w = 2 \ , \ h = 1 \ , \ x = 8 \ , \ y = 9 \ , \ v = 2 \end{array}$ 

 $\mathbf{w}$  =4 , h =9 , x =0 , y =0 , v =36



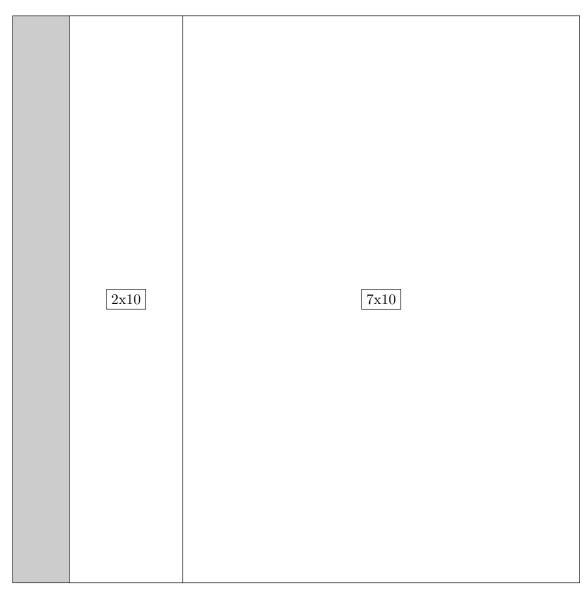
$$\begin{array}{l} w = 8 \ , \ h = 9 \ , \ x = 2 \ , \ y = 0 \ , \ v = 72 \\ w = 2 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 18 \\ w = 9 \ , \ h = 1 \ , \ x = 1 \ , \ y = 9 \ , \ v = 9 \end{array}$$



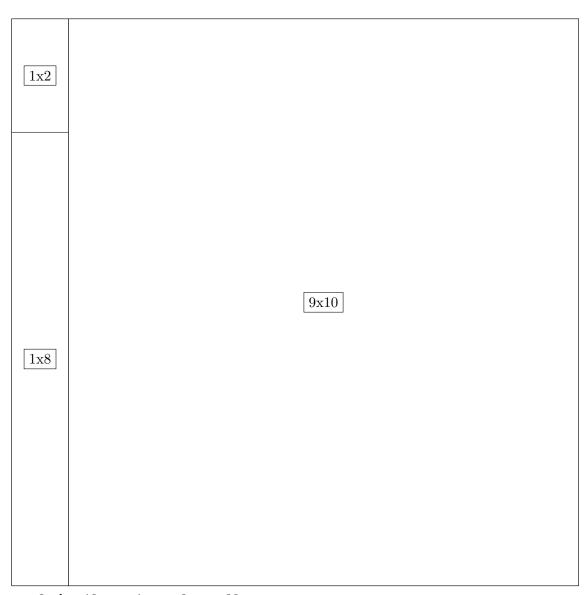
$$\mathbf{w}$$
 =7 , h =9 , x =3 , y =0 , v =63

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

$$\mathbf{w}$$
 =3 , h =10 , x =0 , y =0 , v =30



 $\begin{array}{c} w = 7 \ , \ h = 10 \ , \ x = 3 \ , \ y = 0 \ , \ v = 70 \\ w = 2 \ , \ h = 10 \ , \ x = 1 \ , \ y = 0 \ , \ v = 20 \end{array}$ 



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