${\bf ClassName:}~{\bf Class_01.2bp\text{-}35}$

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

TypeNum: <u>55</u> Num: <u>80</u> OutS: <u>2800</u> InS: <u>2521</u> Rate: <u>0.900</u> UB: <u>28</u> LB0: <u>28</u> LB: <u>28</u>

LBWithCut: $\underline{28}$ NodeCut: $\underline{0}$

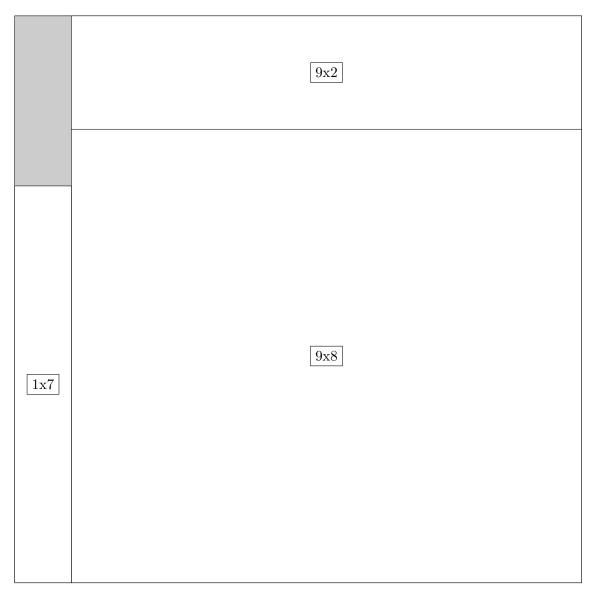
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{28}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

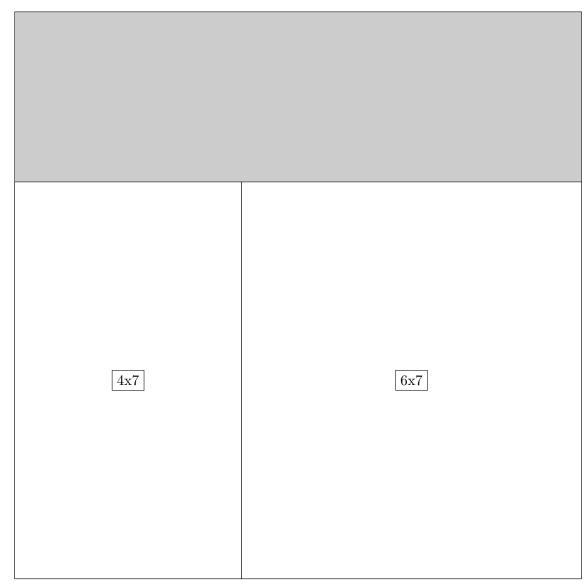
isOpt: $\underline{\mathbf{true}}$

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

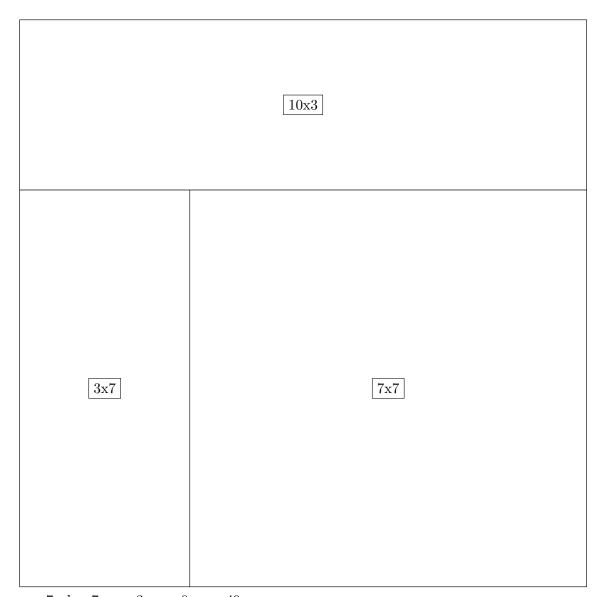
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.079 sTotalTime: 600.329 s



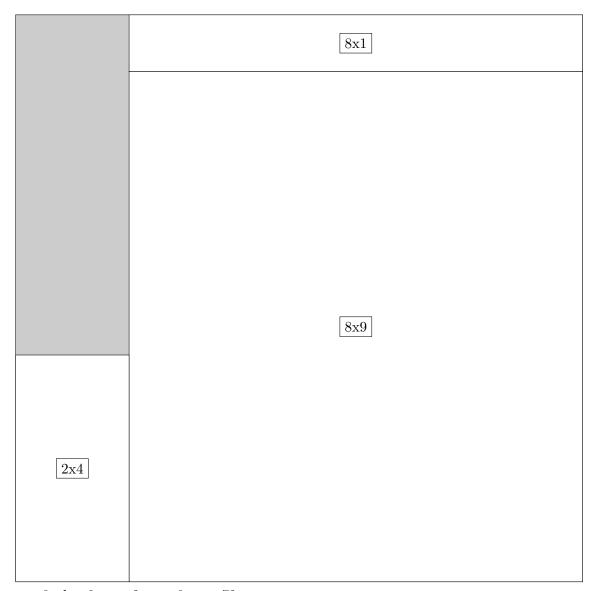
$$\begin{array}{l} w = 9 \ , \ h = 8 \ , \ x = 1 \ , \ y = 0 \ , \ v = 72 \\ w = 1 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 7 \\ w = 9 \ , \ h = 2 \ , \ x = 1 \ , \ y = 8 \ , \ v = 18 \end{array}$$



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

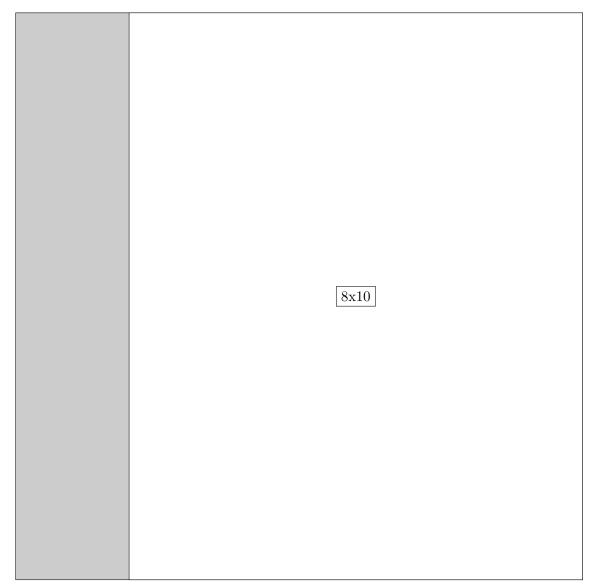


$$\begin{array}{l} w = 7 \ , \ h = 7 \ , \ x = 3 \ , \ y = 0 \ , \ v = 49 \\ w = 3 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 21 \\ w = 10 \ , \ h = 3 \ , \ x = 0 \ , \ y = 7 \ , \ v = 30 \end{array}$$



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

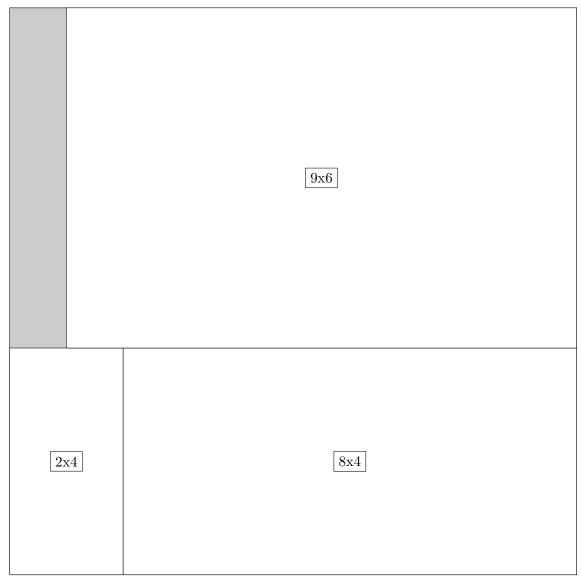
$$\mathbf{w}$$
 =2 , h =4 , x =0 , y =0 , v =8



 \mathbf{w} =8 , h =10 , x =2 , y =0 , v =80

	4x6	1x5	4x5
1x4	4x4		5x5

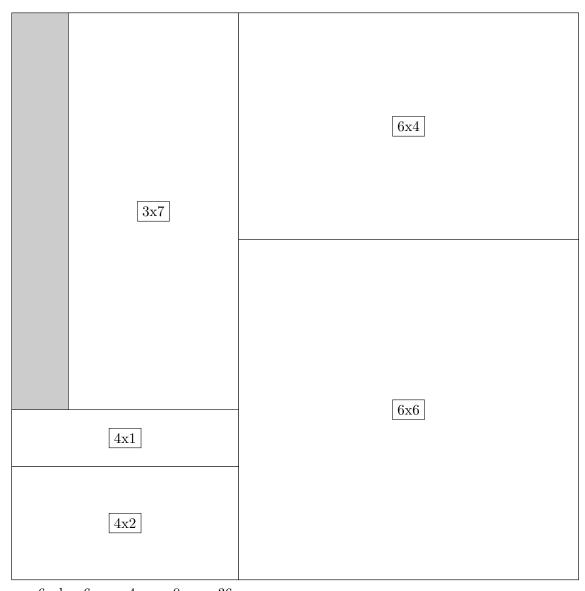
 $\begin{array}{l} w=5 \ , \ h=5 \ , \ x=5 \ , \ y=0 \ , \ v=25 \\ w=4 \ , \ h=5 \ , \ x=6 \ , \ y=5 \ , \ v=20 \\ w=1 \ , \ h=5 \ , \ x=5 \ , \ y=5 \ , \ v=5 \\ w=4 \ , \ h=4 \ , \ x=1 \ , \ y=0 \ , \ v=16 \\ w=1 \ , \ h=4 \ , \ x=0 \ , \ y=0 \ , \ v=4 \\ w=4 \ , \ h=6 \ , \ x=1 \ , \ y=4 \ , \ v=24 \end{array}$



$$\begin{array}{l} w = 8 \ , \ h = \! 4 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 32 \\ w = \! 2 \ , \ h = \! 4 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 8 \\ w = \! 9 \ , \ h = \! 6 \ , \ x = \! 1 \ , \ y = \! 4 \ , \ v = \! 54 \end{array}$$

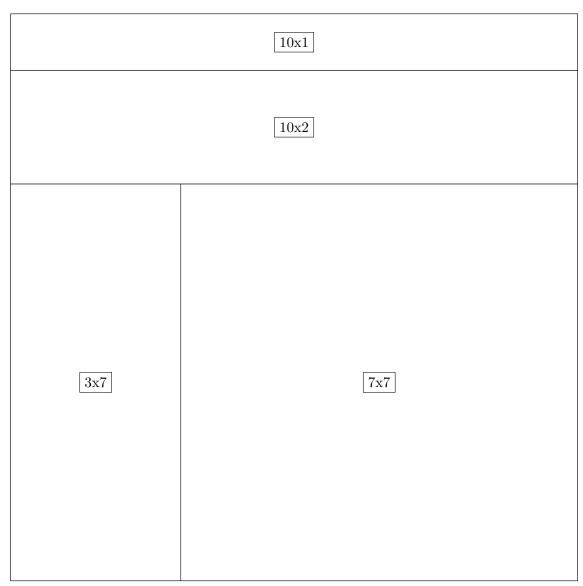
	6x1
4x4	
	6x9
[4x6]	

$$\begin{array}{l} w=6\ ,\, h=9\ ,\, x=4\ ,\, y=0\ ,\, v=54\\ w=6\ ,\, h=1\ ,\, x=4\ ,\, y=9\ ,\, v=6\\ w=4\ ,\, h=6\ ,\, x=0\ ,\, y=0\ ,\, v=24\\ w=4\ ,\, h=4\ ,\, x=0\ ,\, y=6\ ,\, v=16 \end{array}$$

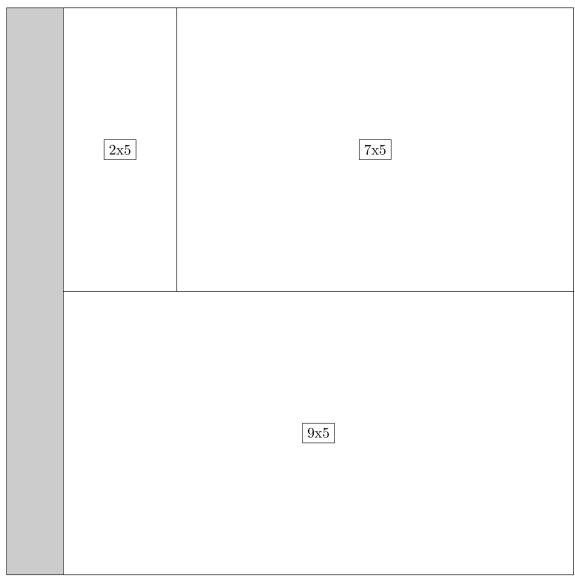


$$\begin{array}{l} w=6 \ , \ h=6 \ , \ x=4 \ , \ y=0 \ , \ v=36 \\ w=6 \ , \ h=4 \ , \ x=4 \ , \ y=6 \ , \ v=24 \\ w=4 \ , \ h=2 \ , \ x=0 \ , \ y=0 \ , \ v=8 \\ w=4 \ , \ h=1 \ , \ x=0 \ , \ y=2 \ , \ v=4 \\ w=3 \ , \ h=7 \ , \ x=1 \ , \ y=3 \ , \ v=21 \end{array}$$





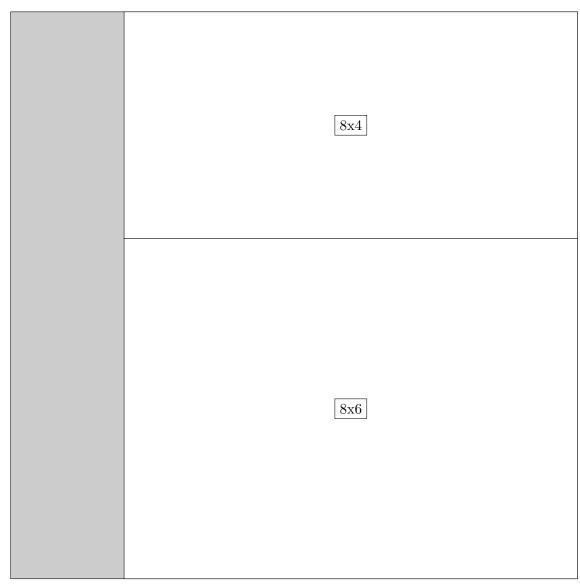
$$\begin{array}{l} w = 7 \ , \ h = 7 \ , \ x = 3 \ , \ y = 0 \ , \ v = 49 \\ w = 3 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 21 \\ w = 10 \ , \ h = 2 \ , \ x = 0 \ , \ y = 7 \ , \ v = 20 \\ w = 10 \ , \ h = 1 \ , \ x = 0 \ , \ y = 9 \ , \ v = 10 \end{array}$$



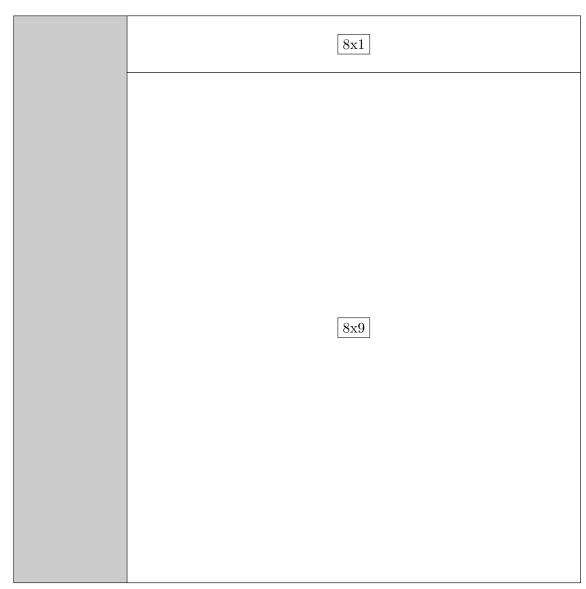
w=9 , h=5 , x=1 , y=0 , v=45

 \mathbf{w} =7 , h =5 , x =3 , y =5 , v =35

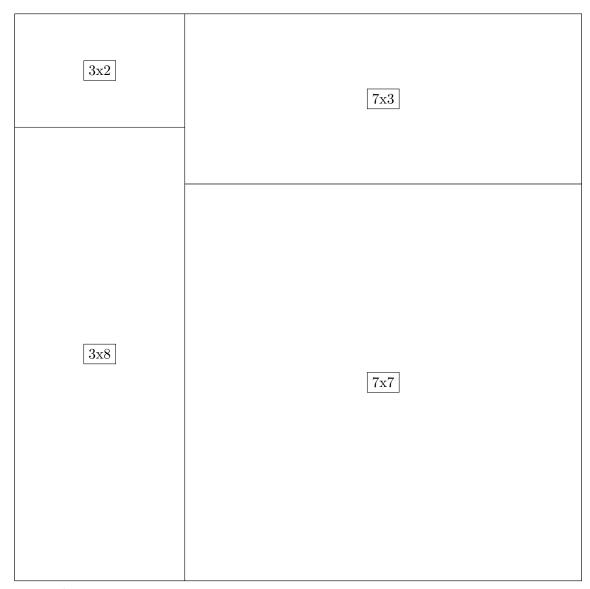
 \mathbf{w} =2 , h =5 , x =1 , y =5 , v =10



$$\begin{array}{l} w = 8 \ , \, h = 6 \ , \, x = 2 \ , \, y = 0 \ , \, v = \!\! 48 \\ w = 8 \ , \, h = \!\! 4 \ , \, x = \!\! 2 \ , \, y = \!\! 6 \ , \, v = \!\! 32 \end{array}$$



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

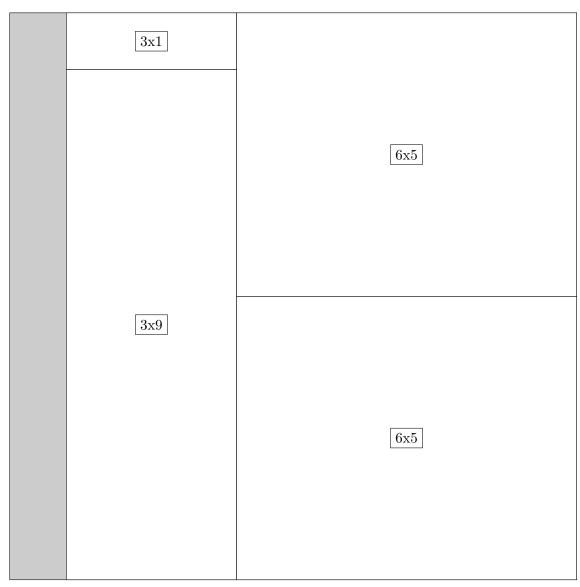


$$\mathbf{w}$$
 =7 , h =7 , x =3 , y =0 , v =49

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

$$\mathbf{w}$$
 =3 , h =8 , x =0 , y =0 , v =24

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

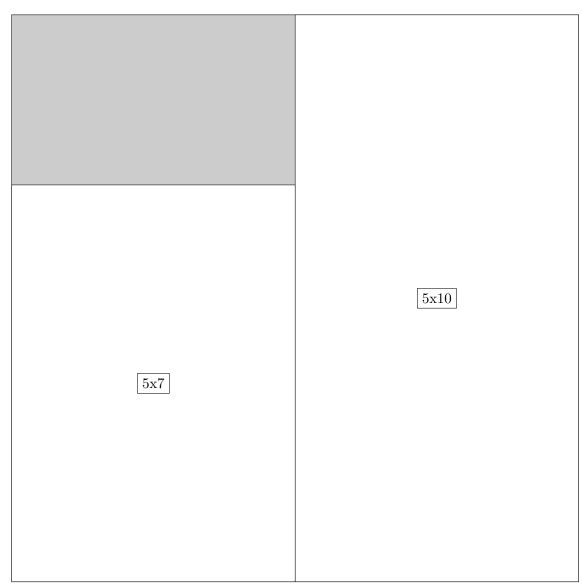


$$w=6$$
, $h=5$, $x=4$, $y=0$, $v=30$

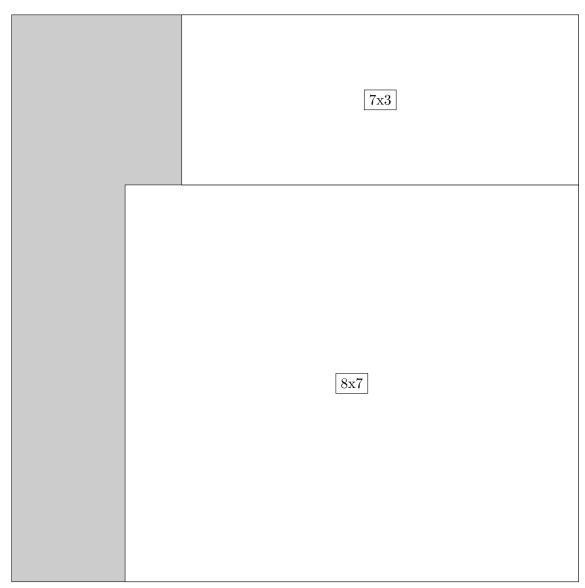
$$\mathbf{w}$$
 =6 , h =5 , x =4 , y =5 , v =30

$$\le =3$$
 , h =9 , x =1 , y =0 , v =27

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



w =5, h =10, x =5, y =0, v =50 w =5, h =7, x =0, y =0, v =35

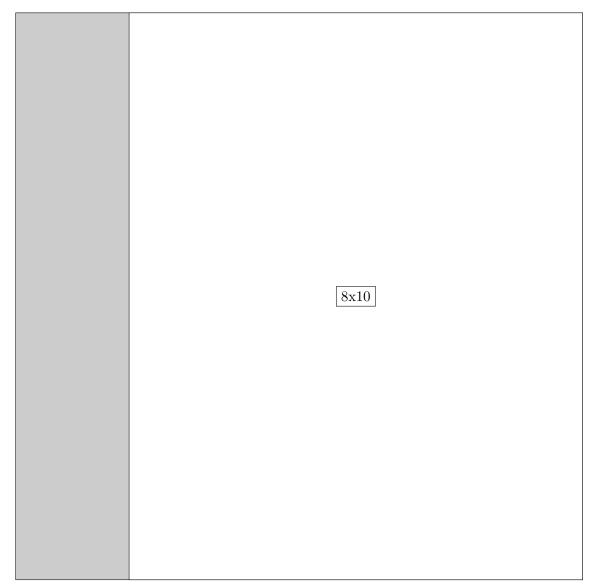


$$\begin{array}{l} w = 8 \ , \, h = 7 \ , \, x = 2 \ , \, y = 0 \ , \, v = 56 \\ w = 7 \ , \, h = 3 \ , \, x = 3 \ , \, y = 7 \ , \, v = 21 \end{array}$$

3x1	
3x7	7x10

$$\begin{array}{l} w = 7 \ , \ h = \! 10 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 70 \\ w = \! 3 \ , \ h = \! 7 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 21 \end{array}$$

$$w = 3$$
 , $h = 1$, $x = 0$, $y = 7$, $v = 3$



 \mathbf{w} =8 , h =10 , x =2 , y =0 , v =80



9x1 9x1 10x8

$$\begin{array}{l} w = & 10 \ , \ h = & 8 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 80 \\ w = & 9 \ , \ h = & 1 \ , \ x = & 1 \ , \ y = & 8 \ , \ v = & 9 \\ w = & 9 \ , \ h = & 1 \ , \ x = & 1 \ , \ y = & 9 \ , \ v = & 9 \end{array}$$

	4x1
[5x9]	2 5 $\times 9$ 2

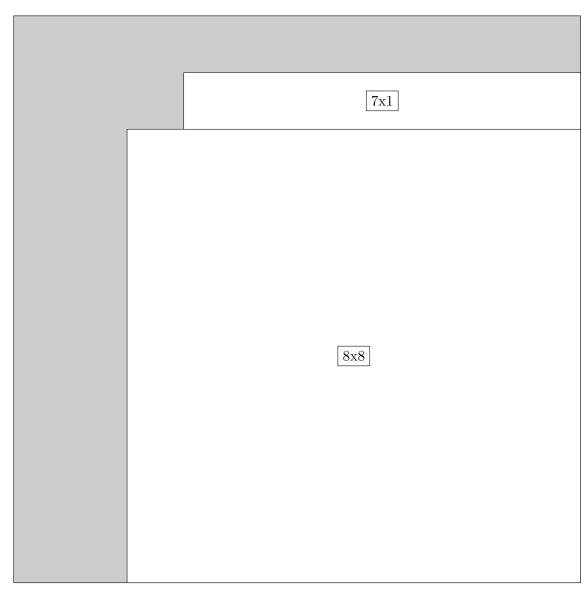
 \mathbf{w} =5 , \mathbf{h} =9 , \mathbf{x} =5 , \mathbf{y} =0 , \mathbf{v} =45

 \mathbf{w} =4 , h =1 , x =6 , y =9 , v =4

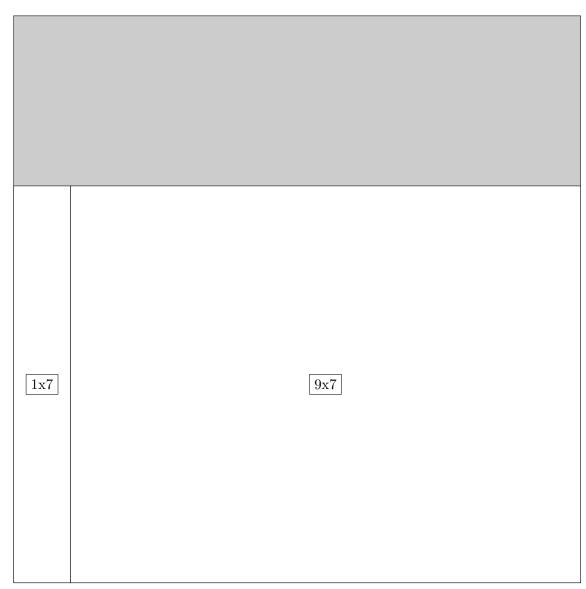
 \mathbf{w} =5 , h =9 , x =0 , y =0 , v =45

	8x2
2x8	8x8

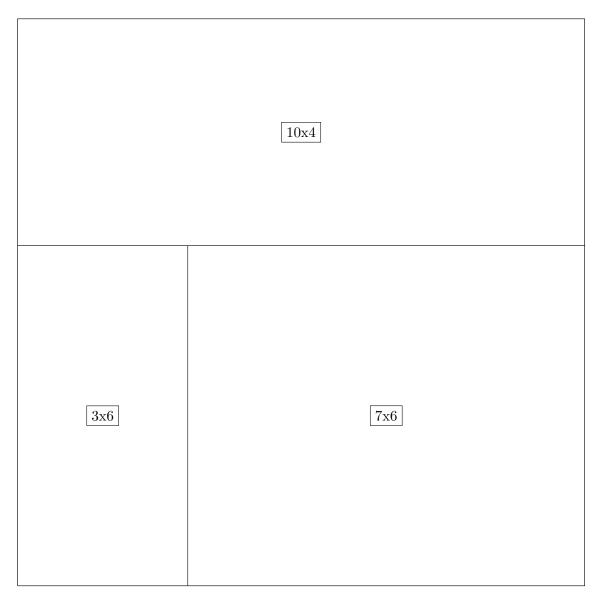
 $\begin{array}{l} w = 8 \;, \; h = 8 \;, \; x = 2 \;, \; y = 0 \;, \; v = 64 \\ w = 8 \;, \; h = 2 \;, \; x = 2 \;, \; y = 8 \;, \; v = 16 \\ w = 2 \;, \; h = 8 \;, \; x = 0 \;, \; y = 0 \;, \; v = 16 \end{array}$



$$\begin{array}{l} w = 8 \;, \; h = 8 \;, \; x = 2 \;, \; y = 0 \;, \; v = 64 \\ w = 7 \;, \; h = 1 \;, \; x = 3 \;, \; y = 8 \;, \; v = 7 \end{array}$$



w =9, h =7, x =1, y =0, v =63 w =1, h =7, x =0, y =0, v =7



$$\begin{array}{l} w = 7 \ , \ h = 6 \ , \ x = 3 \ , \ y = 0 \ , \ v = 42 \\ w = 3 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 18 \\ w = 10 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 40 \end{array}$$

1x10	1x10	8x10

 $\begin{array}{l} w = 8 \ , \ h = \! 10 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 80 \\ w = \! 1 \ , \ h = \! 10 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 10 \\ w = \! 1 \ , \ h = \! 10 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 10 \end{array}$