${\bf ClassName:}~{\bf Class_01.2bp\text{-}39}$

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

TypeNum: <u>58</u> Num: <u>80</u> OutS: <u>2600</u> InS: <u>2426</u> Rate: <u>0.933</u> UB: <u>26</u> LB0: <u>26</u> LB: <u>26</u>

LBWithCut: $\underline{26}$ NodeCut: $\underline{0}$

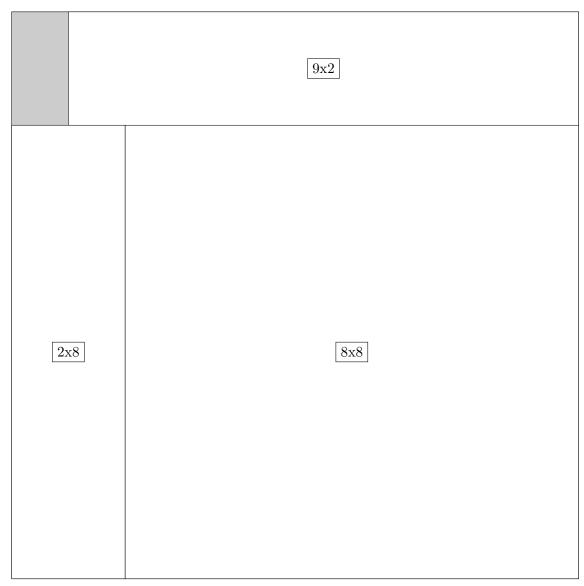
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{26}}$ 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: $\underline{600.000 \text{ s}}$

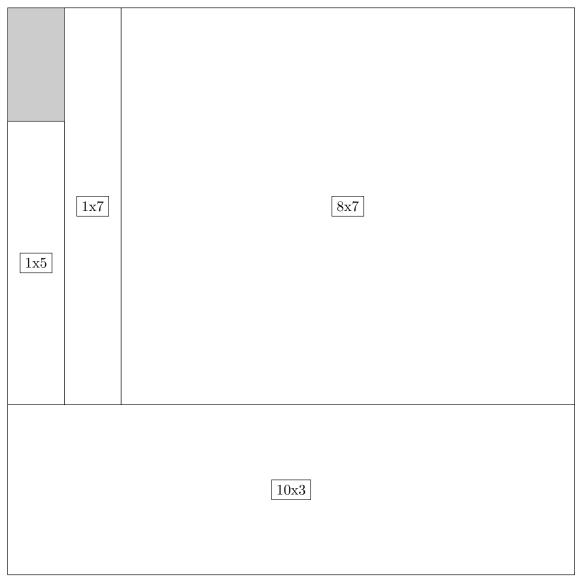
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.328 s



$$\begin{array}{l} w = 8 \ , \ h = 8 \ , \ x = 2 \ , \ y = 0 \ , \ v = 64 \\ w = 2 \ , \ h = 8 \ , \ x = 0 \ , \ y = 0 \ , \ v = 16 \\ w = 9 \ , \ h = 2 \ , \ x = 1 \ , \ y = 8 \ , \ v = 18 \end{array}$$

$5\mathrm{x}4$	5x3
5x6	$5\mathrm{x}7$

 $\begin{array}{l} w = 5 \ , \ h = 7 \ , \ x = 5 \ , \ y = 0 \ , \ v = 35 \\ w = 5 \ , \ h = 3 \ , \ x = 5 \ , \ y = 7 \ , \ v = 15 \\ w = 5 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 30 \\ w = 5 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 20 \end{array}$

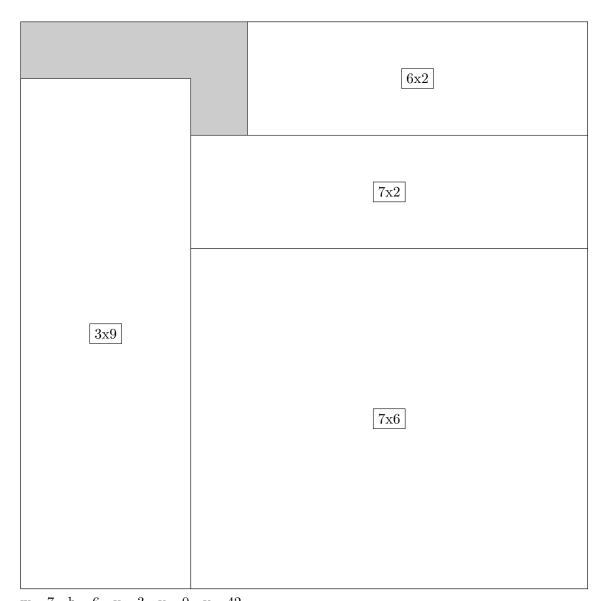


$$\mathbf{w}$$
 =10 , h =3 , x =0 , y =0 , v =30

$$w$$
 =8 , h =7 , x =2 , y =3 , v =
56

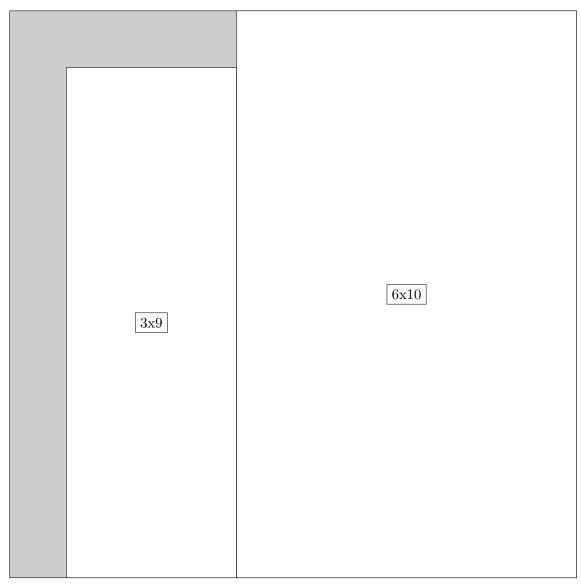
$$\mathbf{w}$$
 =1 , h =7 , x =1 , y =3 , v =7

$$\mathbf{w}$$
 =1 , h =5 , x =0 , y =3 , v =5



 $\begin{array}{l} w = 7 \ , \ h = 6 \ , \ x = 3 \ , \ y = 0 \ , \ v = 42 \\ w = 7 \ , \ h = 2 \ , \ x = 3 \ , \ y = 6 \ , \ v = 14 \\ w = 6 \ , \ h = 2 \ , \ x = 4 \ , \ y = 8 \ , \ v = 12 \end{array}$

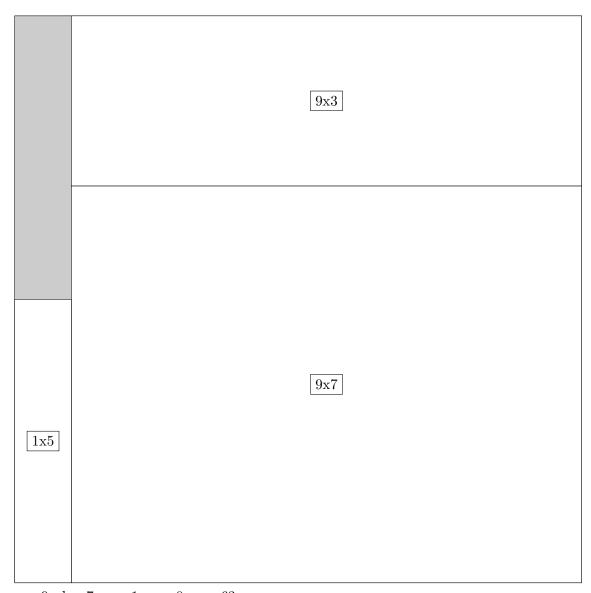
w = 3, h = 9, x = 0, y = 0, v = 27

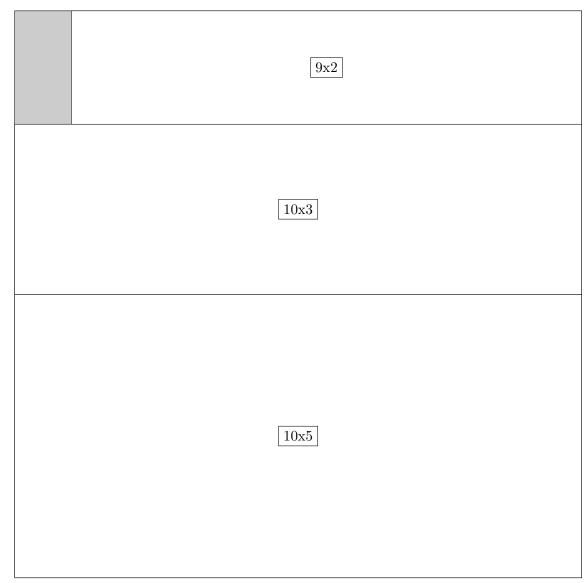


 $\begin{array}{c} w = 6 \ , \ h = 10 \ , \ x = 4 \ , \ y = 0 \ , \ v = 60 \\ w = 3 \ , \ h = 9 \ , \ x = 1 \ , \ y = 0 \ , \ v = 27 \end{array}$

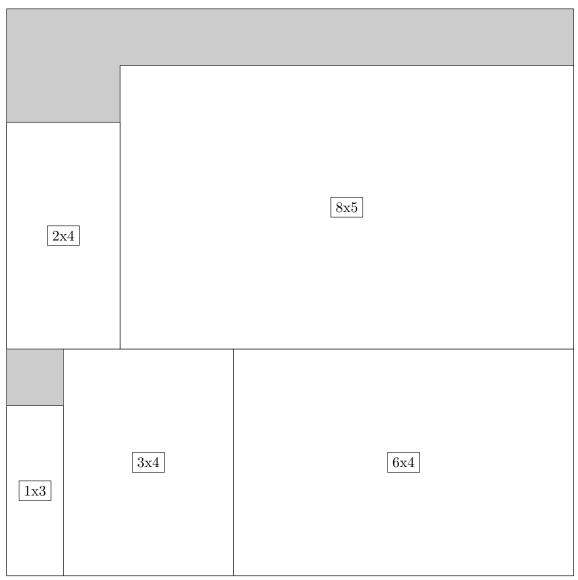


 \mathbf{w} =10 , h =10 , x =0 , y =0 , v =100





$$\begin{array}{l} w = & 10 \ , \ h = & 5 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 50 \\ w = & 10 \ , \ h = & 3 \ , \ x = & 0 \ , \ y = & 5 \ , \ v = & 30 \\ w = & 9 \ , \ h = & 2 \ , \ x = & 1 \ , \ y = & 8 \ , \ v = & 18 \end{array}$$



$$\begin{array}{l} w=6\ ,\, h=4\ ,\, x=4\ ,\, y=0\ ,\, v=24\\ w=3\ ,\, h=4\ ,\, x=1\ ,\, y=0\ ,\, v=12\\ w=1\ ,\, h=3\ ,\, x=0\ ,\, y=0\ ,\, v=3\\ w=8\ ,\, h=5\ ,\, x=2\ ,\, y=4\ ,\, v=40\\ w=2\ ,\, h=4\ ,\, x=0\ ,\, y=4\ ,\, v=8 \end{array}$$

1x4	4x3	5x3
1x5		9x6

 $\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 1 \ , \ y = 0 \ , \ v = 54 \\ w = 5 \ , \ h = 3 \ , \ x = 5 \ , \ y = 6 \ , \ v = 15 \\ w = 4 \ , \ h = 3 \ , \ x = 1 \ , \ y = 6 \ , \ v = 12 \\ w = 1 \ , \ h = 5 \ , \ x = 0 \ , \ y = 0 \ , \ v = 5 \\ w = 1 \ , \ h = 4 \ , \ x = 0 \ , \ y = 5 \ , \ v = 4 \end{array}$

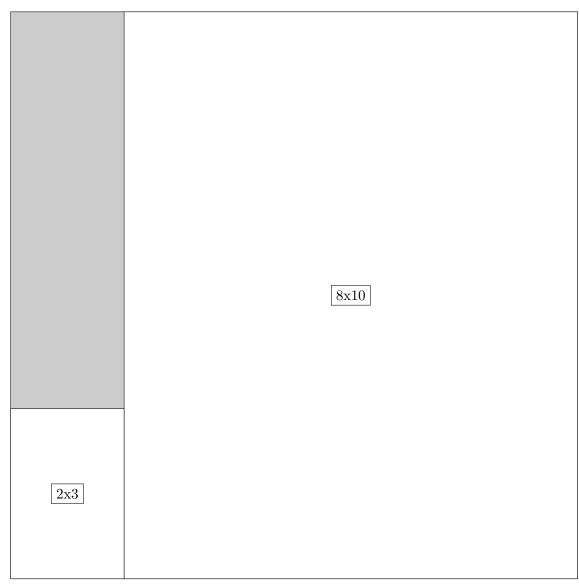
	3x3	4x3
3x10		
		7x7

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

$$\le 3$$
 , h =
3 , x =
3 , y =
7 , v =
9

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

 $[\]mathbf{w}$ =4 , h =3 , x =6 , y =7 , v =12





1x3	3x1	6x2
		$\boxed{6\mathrm{x}2}$
1x7	3x9	
		6x6

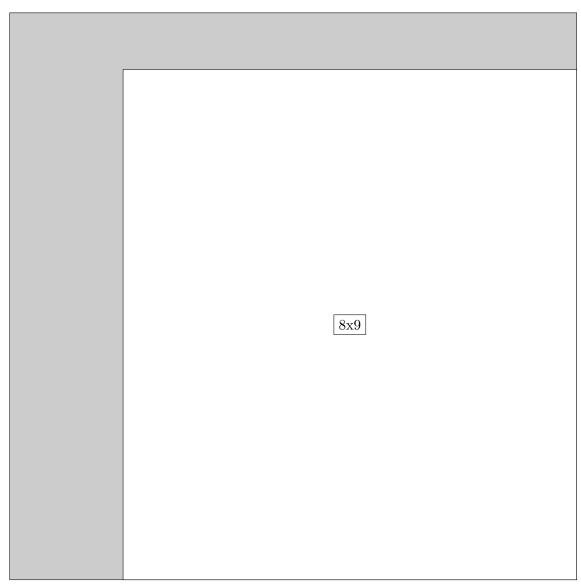
$$\begin{array}{l} w=6\ ,\, h=6\ ,\, x=4\ ,\, y=0\ ,\, v=36\\ w=6\ ,\, h=2\ ,\, x=4\ ,\, y=6\ ,\, v=12\\ w=6\ ,\, h=2\ ,\, x=4\ ,\, y=8\ ,\, v=12\\ w=3\ ,\, h=9\ ,\, x=1\ ,\, y=0\ ,\, v=27\\ w=3\ ,\, h=1\ ,\, x=1\ ,\, y=9\ ,\, v=3\\ w=1\ ,\, h=7\ ,\, x=0\ ,\, y=0\ ,\, v=7\\ w=1\ ,\, h=3\ ,\, x=0\ ,\, y=7\ ,\, v=3\\ \end{array}$$

	$9\mathrm{x}1$
1x9	$9 \mathrm{x} 9$

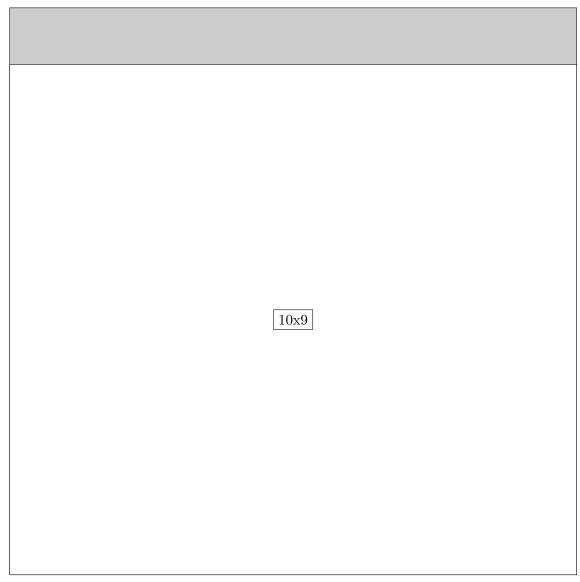
w = 9, h = 9, x = 1, y = 0, v = 81

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

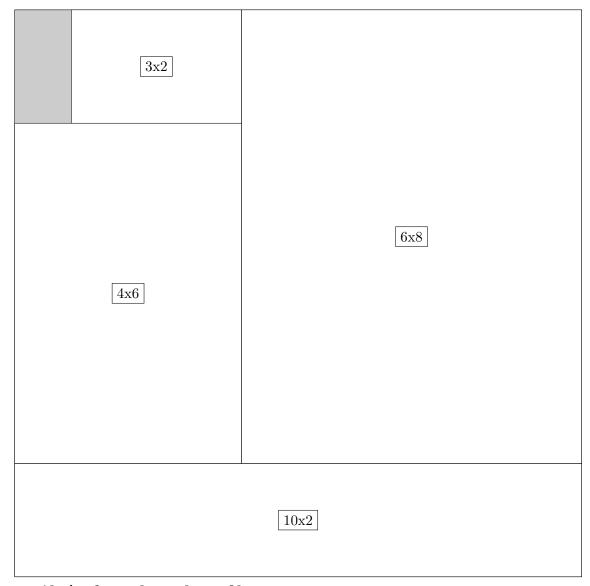
 \mathbf{w} =1 , h =9 , x =0 , y =0 , v =9



 \mathbf{w} =8 , h =9 , x =2 , y =0 , v =72



w = 10, h = 9, x = 0, y = 0, v = 90

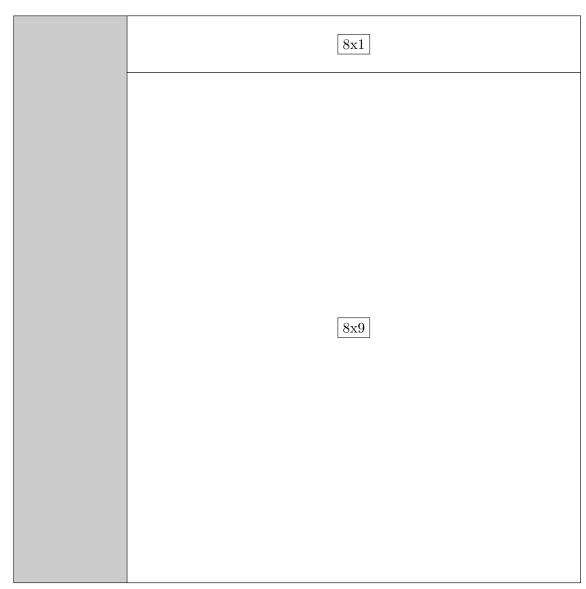


$$\begin{array}{l} w = \! 10 \; , \; h = \! 2 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 20 \\ w = \! 6 \; , \; h = \! 8 \; , \; x = \! 4 \; , \; y = \! 2 \; , \; v = \! 48 \end{array}$$

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

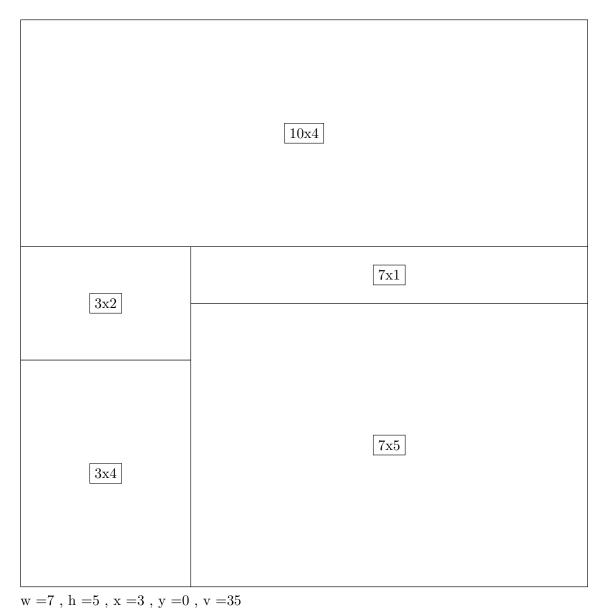
$$\mathbf{w}$$
 =3 , h =2 , x =1 , y =8 , v =6

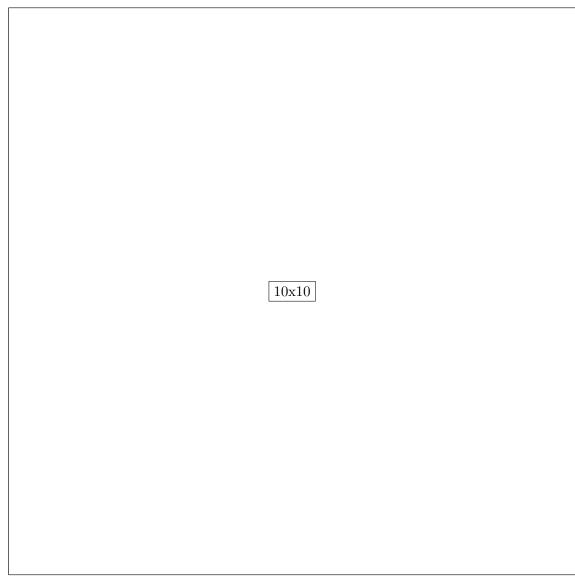




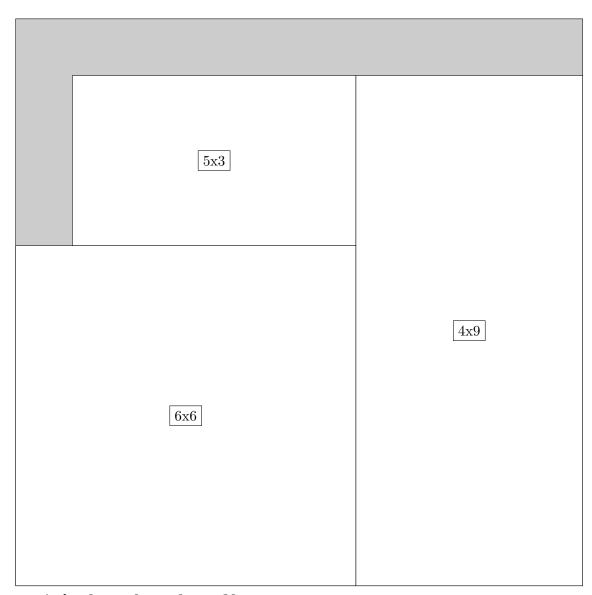
$$\begin{array}{l} w = 8 \ , \, h = 9 \ , \, x = 2 \ , \, y = 0 \ , \, v = 72 \\ w = 8 \ , \, h = 1 \ , \, x = 2 \ , \, y = 9 \ , \, v = 8 \end{array}$$

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



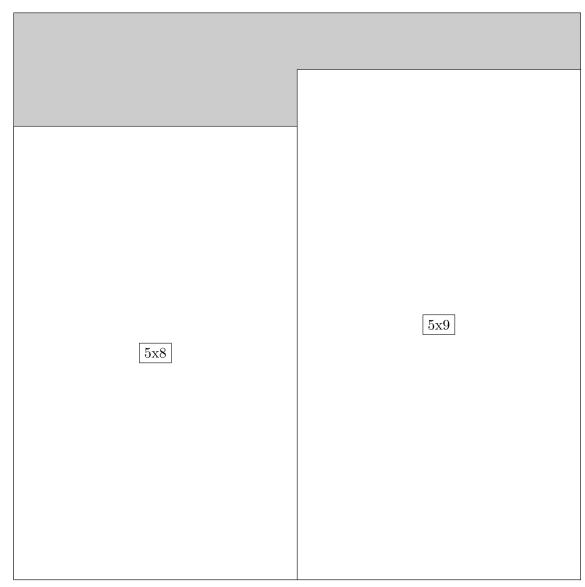


 \mathbf{w} =10 , h =10 , x =0 , y =0 , v =100



 $\begin{array}{l} w = \! 4 \ , \ h = \! 9 \ , \ x = \! 6 \ , \ y = \! 0 \ , \ v = \! 36 \\ w = \! 6 \ , \ h = \! 6 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 36 \end{array}$

 \mathbf{w} =5 , h =3 , x =1 , y =6 , v = 15



	[6x1]	
2x2	7x2	1x3
	10x7	

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

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

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

$$\mathbf{w}$$
 =6 , h =1 , x =3 , y =9 , v =6

$$\mathbf{w}$$
 =2 , h =2 , x =0 , y =7 , v =4