$ClassName: \ Class_01.2bp-44$

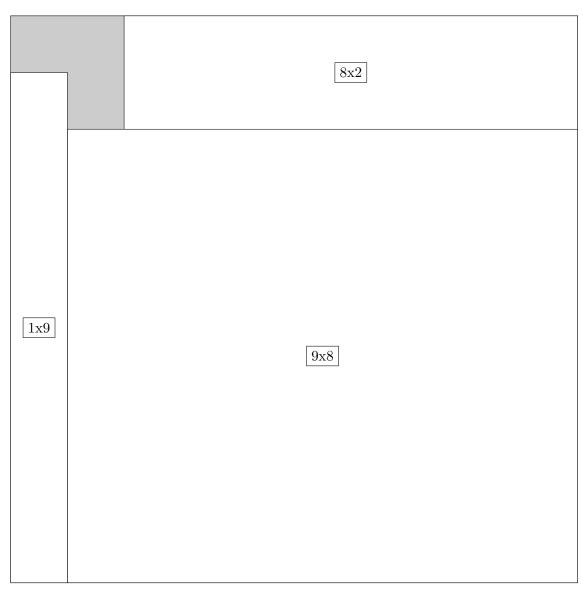
 $\begin{array}{ll} \text{BinSize: } \underline{\mathbf{10} \times \mathbf{10}} \\ \text{ReduceSize: } \underline{\mathbf{10} \times \mathbf{10}} \end{array}$

TypeNum: <u>64</u> Num: <u>100</u> OutS: <u>3200</u> InS: <u>3015</u> Rate: <u>0.942</u> UB: <u>32</u> LB: <u>32</u>

LBWithCut: $\underline{32}$ NodeCount: $\underline{0}$ PrimalNode: $\underline{0}$ ColumnCount: $\underline{32}$ TotalCutCount: $\underline{0}$ RootCutCount: $\underline{0}$ LPSolverCnt: $\underline{1}$ PricingSolverCnt: $\underline{0}$ BranchAndBoundNum: $\underline{1}$

isOpt: **true**

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.079 sTotalTime: 0.219 s



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

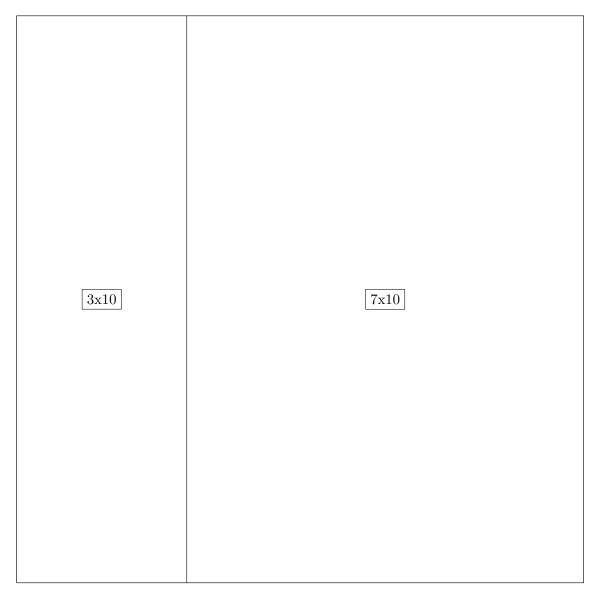


	10x1
2x1	8x1
	10x8

$$\begin{array}{l} w = \! 10 \; , \; h = \! 8 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 80 \\ w = \! 8 \; , \; h = \! 1 \; , \; x = \! 2 \; , \; y = \! 8 \; , \; v = \! 8 \\ w = \! 2 \; , \; h = \! 1 \; , \; x = \! 0 \; , \; y = \! 8 \; , \; v = \! 2 \\ w = \! 10 \; , \; h = \! 1 \; , \; x = \! 0 \; , \; y = \! 9 \; , \; v = \! 10 \end{array}$$

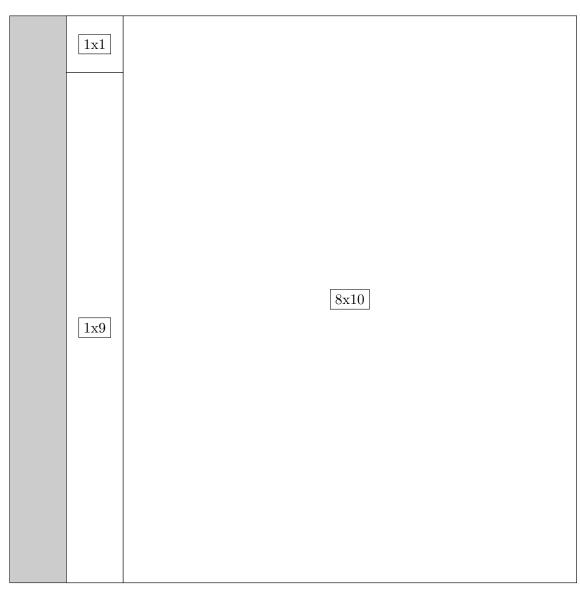
	$7\mathrm{x}4$
4x6	6x6

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



4x10	6x10

w =6, h =10, x =4, y =0, v =60 w =4, h =10, x =0, y =0, v =40



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

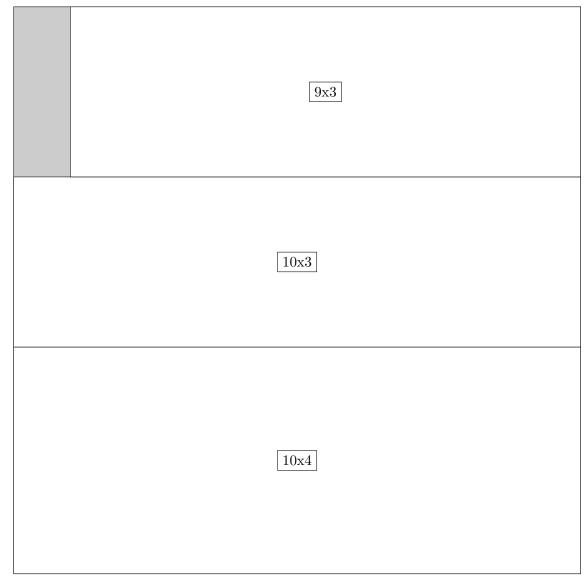
 \mathbf{w} =1 , h =9 , x =1 , y =0 , v =9

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

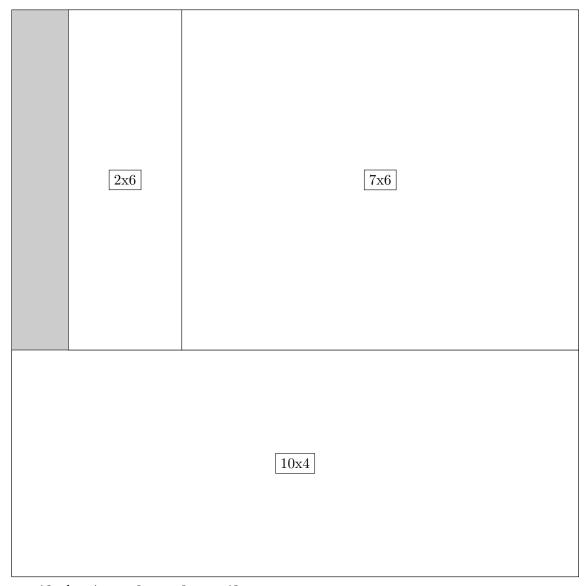
$5\mathrm{x}10$	$5\mathrm{x}10$



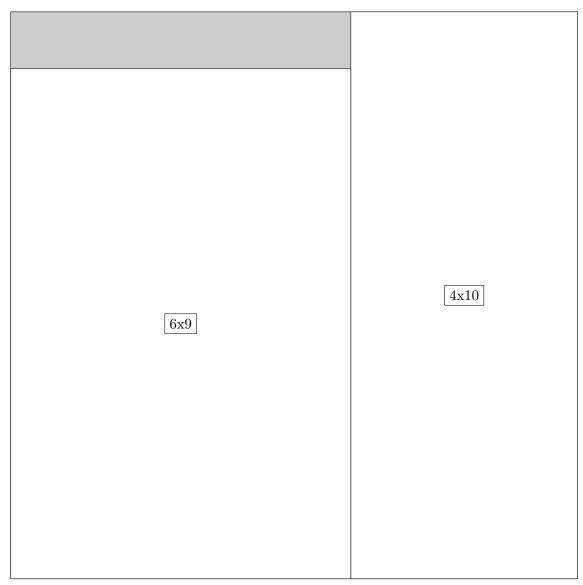
w = 10, h = 8, x = 0, y = 0, v = 80



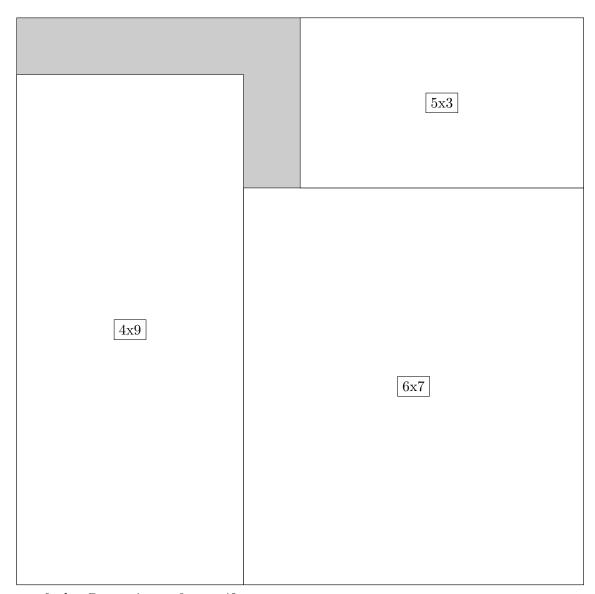
$$\begin{array}{l} w = & 10 \; , \; h = & 4 \; , \; x = & 0 \; , \; y = & 0 \; , \; v = & 40 \\ w = & 10 \; , \; h = & 3 \; , \; x = & 0 \; , \; y = & 4 \; , \; v = & 30 \\ w = & 9 \; , \; h = & 3 \; , \; x = & 1 \; , \; y = & 7 \; , \; v = & 27 \end{array}$$



 $\begin{array}{l} w = & 10 \ , \ h = & 4 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 40 \\ w = & 7 \ , \ h = & 6 \ , \ x = & 3 \ , \ y = & 4 \ , \ v = & 42 \\ w = & 2 \ , \ h = & 6 \ , \ x = & 1 \ , \ y = & 4 \ , \ v = & 12 \end{array}$



w =4, h =10, x =6, y =0, v =40 w =6, h =9, x =0, y =0, v =54



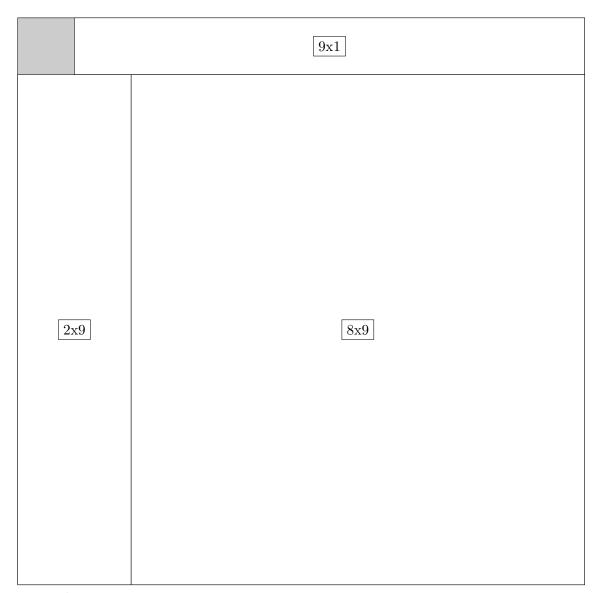
 $\begin{array}{l} w = 6 \ , \ h = 7 \ , \ x = 4 \ , \ y = 0 \ , \ v = 42 \\ w = 5 \ , \ h = 3 \ , \ x = 5 \ , \ y = 7 \ , \ v = 15 \\ w = 4 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 36 \end{array}$

7x1	
	2x10
8x9	

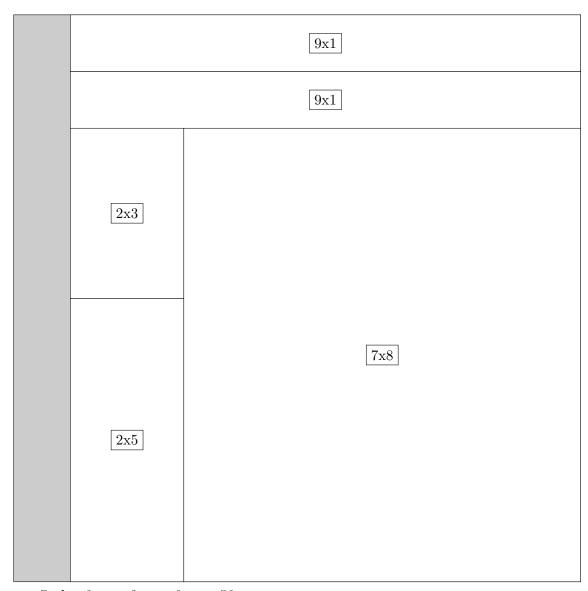
$$w=2$$
 , $h=10$, $x=8$, $y=0$, $v=20$

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

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



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



$$\begin{array}{l} w = 7 \ , \ h = 8 \ , \ x = 3 \ , \ y = 0 \ , \ v = 56 \\ w = 2 \ , \ h = 5 \ , \ x = 1 \ , \ y = 0 \ , \ v = 10 \end{array}$$

$$\mathbf{w}$$
 =2 , h =3 , x =1 , y =5 , v =6

$$w = 9$$
, $h = 1$, $x = 1$, $y = 9$, $v = 9$

	3x2	3x2
4x9	6:	x8

$$\mathbf{w}$$
 =6 , h =8 , x =4 , y =0 , v =48

$$\mathbf{w}$$
 =3 , h =2 , x =7 , y =8 , v =6

$$w = 3$$
, $h = 2$, $x = 4$, $y = 8$, $v = 6$

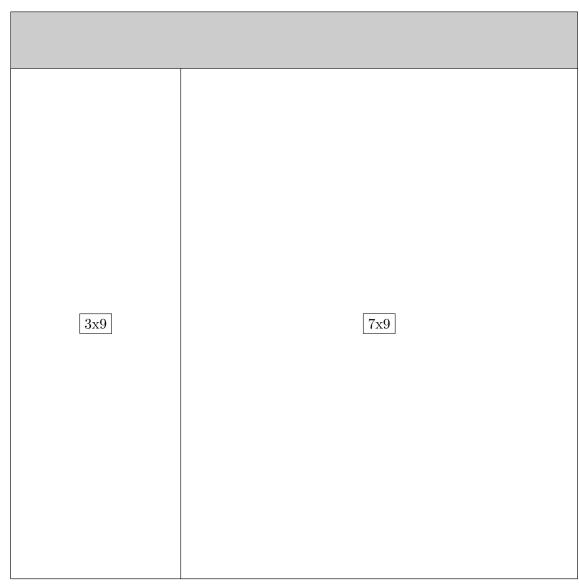
$$\mathbf{w}$$
 =4 , h =9 , x =0 , y =0 , v =36

3x3	7x3
3x7	7x7

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

 \mathbf{w} =3 , h =7 , x =0 , y =0 , v = 21

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



w =7, h =9, x =3, y =0, v =63 w =3, h =9, x =0, y =0, v =27

[3x3]	[7x3]	
1x7 1x7	8x7	

 $\begin{array}{l} w=8\;,\; h=7\;,\; x=2\;,\; y=0\;,\; v=56\\ w=1\;,\; h=7\;,\; x=1\;,\; y=0\;,\; v=7\\ w=1\;,\; h=7\;,\; x=0\;,\; y=0\;,\; v=7\\ w=7\;,\; h=3\;,\; x=3\;,\; y=7\;,\; v=21\\ w=3\;,\; h=3\;,\; x=0\;,\; y=7\;,\; v=9 \end{array}$

5x2	
6x8	[4x10]

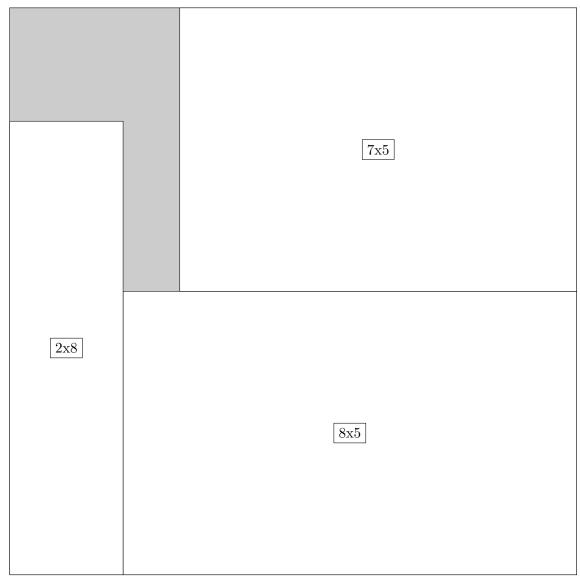
w = 4, h = 10, x = 6, y = 0, v = 40

 \mathbf{w} =6 , h =8 , x =0 , y =0 , v =48

 \mathbf{w} =5 , h =2 , x =1 , y =8 , v =10

1x2 3x2	
4x6	6x8

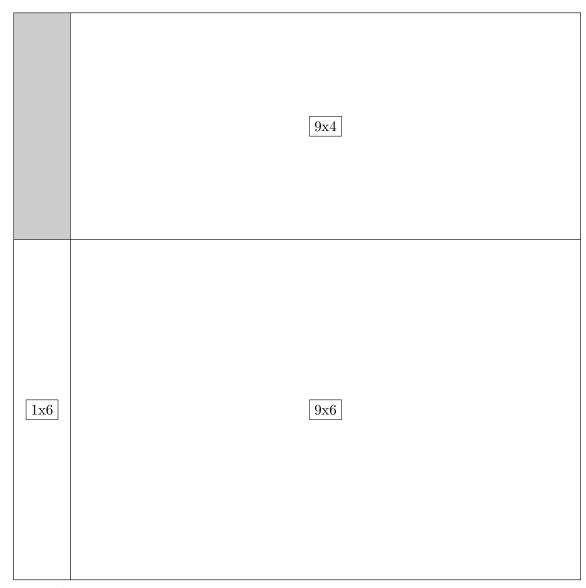
 $\begin{array}{l} w=6\ ,\, h=8\ ,\, x=4\ ,\, y=0\ ,\, v=48\\ w=4\ ,\, h=6\ ,\, x=0\ ,\, y=0\ ,\, v=24\\ w=3\ ,\, h=2\ ,\, x=1\ ,\, y=6\ ,\, v=6\\ w=1\ ,\, h=2\ ,\, x=0\ ,\, y=6\ ,\, v=2 \end{array}$



$$\mathbf{w}$$
 =8 , \mathbf{h} =5 , \mathbf{x} =2 , \mathbf{y} =0 , \mathbf{v} =40

$$\begin{array}{c} w = 7 \;, \; h = 5 \;, \; x = 3 \;, \; y = 5 \;, \; v = 35 \\ w = 2 \;, \; h = 8 \;, \; x = 0 \;, \; y = 0 \;, \; v = 16 \\ \end{array}$$

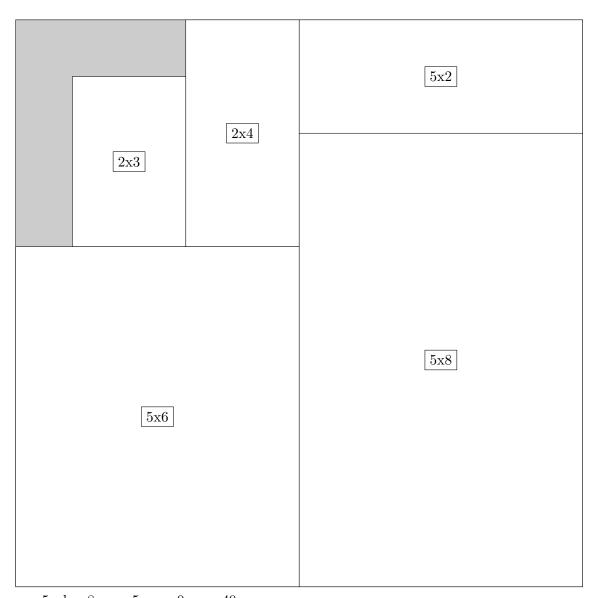
$$w = 2$$
, $h = 8$, $x = 0$, $y = 0$, $v = 16$



$$\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 1 \ , \ y = 0 \ , \ v = 54 \\ w = 1 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 6 \\ w = 9 \ , \ h = 4 \ , \ x = 1 \ , \ y = 6 \ , \ v = 36 \end{array}$$

4x3	6x3
5x1	
5x6	5x7

$$\begin{array}{l} w=5 \ , \ h=7 \ , \ x=5 \ , \ y=0 \ , \ v=35 \\ w=5 \ , \ h=6 \ , \ x=0 \ , \ y=0 \ , \ v=30 \\ w=5 \ , \ h=1 \ , \ x=0 \ , \ y=6 \ , \ v=5 \\ w=6 \ , \ h=3 \ , \ x=4 \ , \ y=7 \ , \ v=18 \\ w=4 \ , \ h=3 \ , \ x=0 \ , \ y=7 \ , \ v=12 \end{array}$$



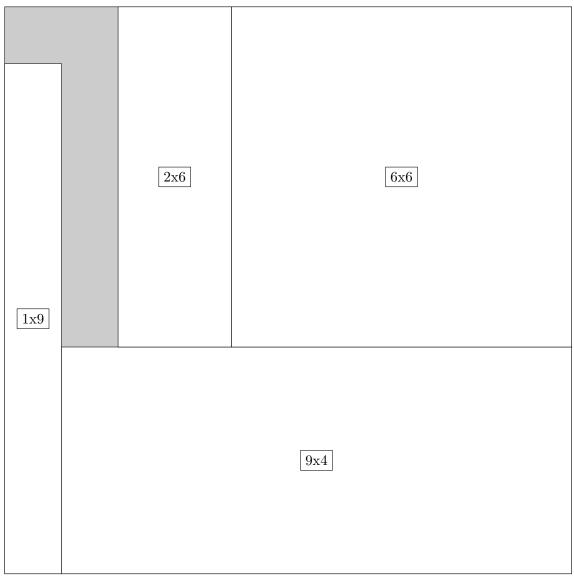
$$w = 5$$
, $h = 8$, $x = 5$, $y = 0$, $v = 40$

$$\begin{array}{l} w = 5 \ , \ h = 2 \ , \ x = 5 \ , \ y = 8 \ , \ v = 10 \\ w = 5 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 30 \end{array}$$

$$w = 2$$
, $h = 4$, $x = 3$, $y = 6$, $v = 8$

$$w = 2$$
, $h = 4$, $x = 3$, $y = 6$, $v = 8$

$$w = 2$$
, $h = 3$, $x = 1$, $y = 6$, $v = 6$



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

6x4	
7x6	3x10

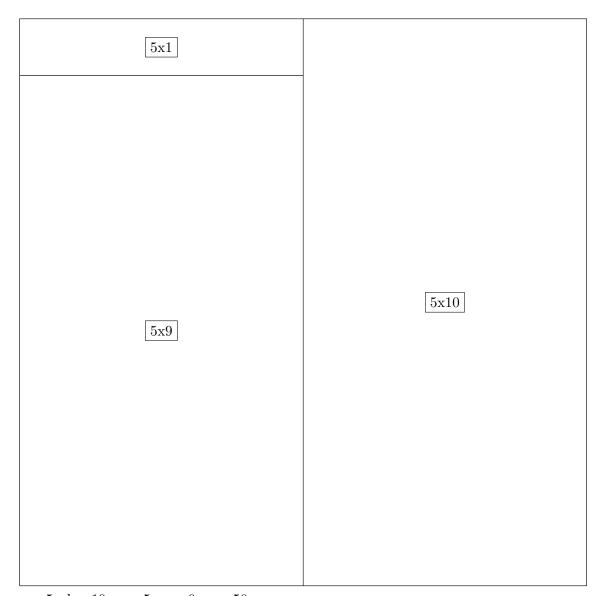
 $\le =3$, h =10 , x =7 , y =0 , v =30

 \mathbf{w} =7 , h =6 , x =0 , y =0 , v =42

 \mathbf{w} =6 , h =4 , x =1 , y =6 , v =24

3x4	[7x4]	
5x6		5x6

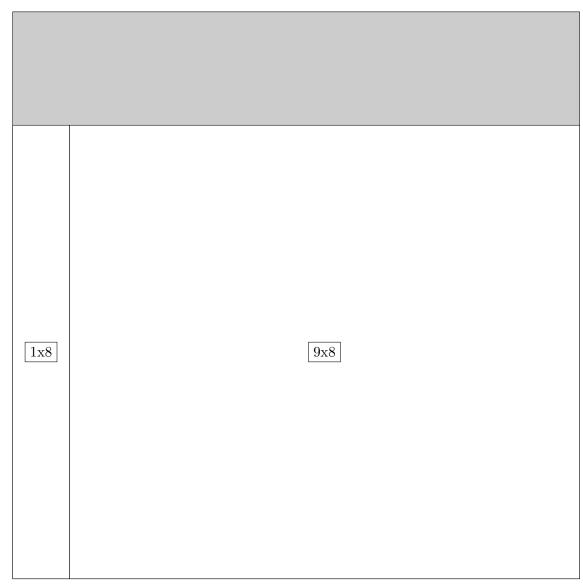
 $\begin{array}{l} w = 5 \ , \ h = 6 \ , \ x = 5 \ , \ y = 0 \ , \ v = 30 \\ w = 5 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 30 \\ w = 7 \ , \ h = 4 \ , \ x = 3 \ , \ y = 6 \ , \ v = 28 \\ w = 3 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 12 \end{array}$



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

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





w =9, h =8, x =1, y =0, v =72 w =1, h =8, x =0, y =0, v =8