$ClassName: \ Class\_01.2bp-24$ 

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

TypeNum: <u>42</u>
Num: <u>60</u>
OutS: <u>1900</u>
InS: <u>1649</u>
Rate: <u>0.868</u>
UB: <u>19</u>
LB0: <u>19</u>
LB: <u>19</u>

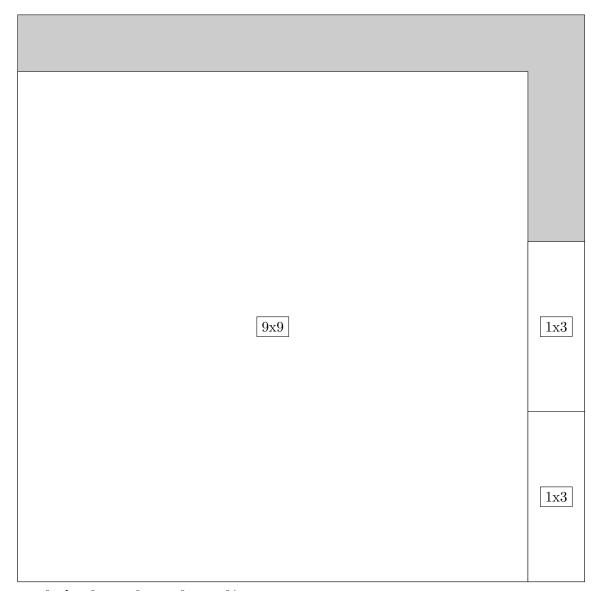
LBWithCut:  $\underline{\mathbf{19}}$ NodeCut:  $\underline{\mathbf{0}}$ 

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

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{19}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

TimeOnPrimal:  $\underline{0.000 \text{ s}}$ TimeOnPricing:  $\underline{0.000 \text{ s}}$ TimeOnRmp:  $\underline{0.063 \text{ s}}$ TotalTime:  $\underline{0.125 \text{ s}}$ 



$$\begin{array}{l} w = 9 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 81 \\ w = 1 \ , \ h = 3 \ , \ x = 9 \ , \ y = 0 \ , \ v = 3 \end{array}$$

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



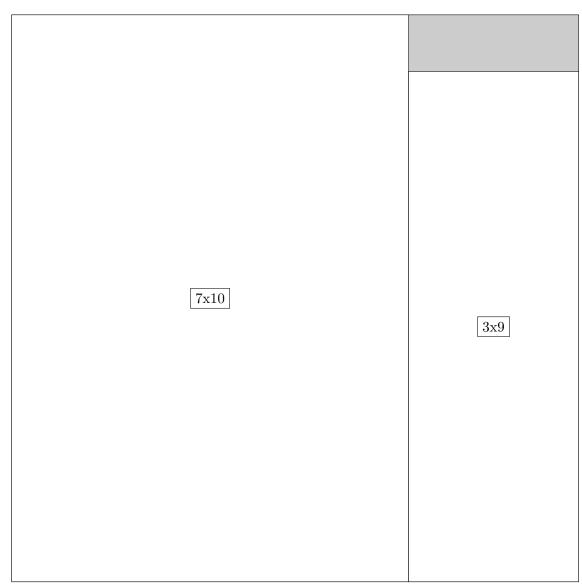
5x2		
O.Z.	5x1	
9x8		
		1x6

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

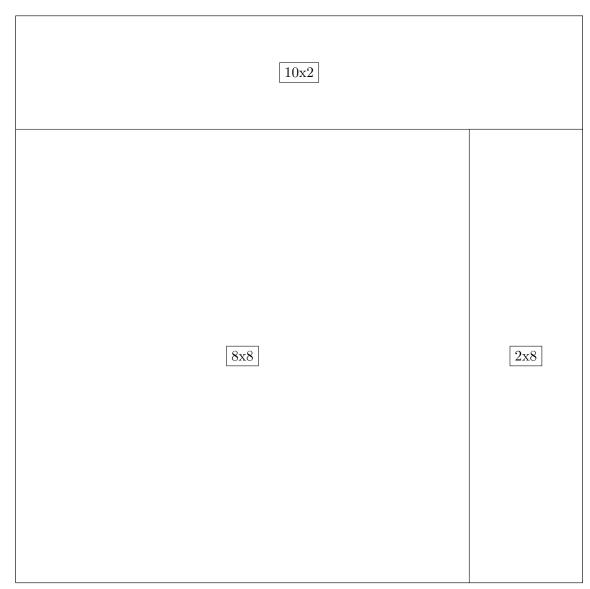
$$w = 5$$
,  $h = 2$ ,  $x = 0$ ,  $y = 8$ ,  $v = 10$ 

$$\mathbf{w}$$
 =1 , h =6 , x =9 , y =0 , v =6

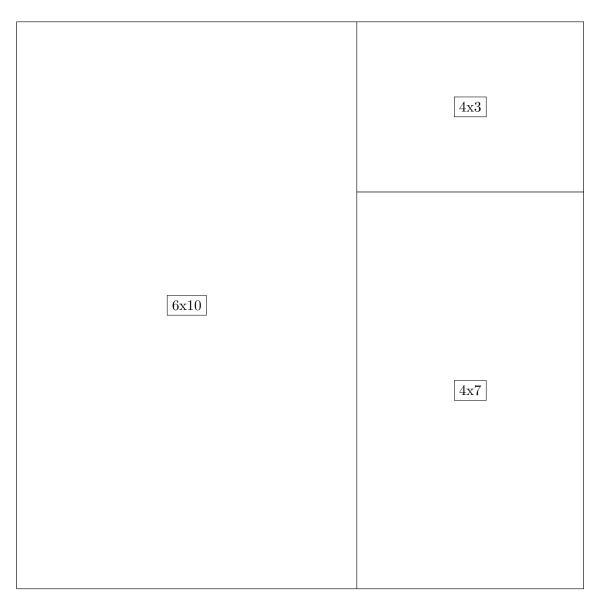
$$\mathbf{w}$$
 =5 , h =1 , x =5 , y =8 , v =5



w = 7, h = 10, x = 0, y = 0, v = 70 w = 3, h = 9, x = 7, y = 0, v = 27



 $\begin{array}{l} w = 8 \;,\; h = 8 \;,\; x = 0 \;,\; y = 0 \;,\; v = 64 \\ w = 10 \;,\; h = 2 \;,\; x = 0 \;,\; y = 8 \;,\; v = 20 \\ w = 2 \;,\; h = 8 \;,\; x = 8 \;,\; y = 0 \;,\; v = 16 \end{array}$ 



$$\mathbf{w}$$
 =6 , h =10 , x =0 , y =0 , v =60

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

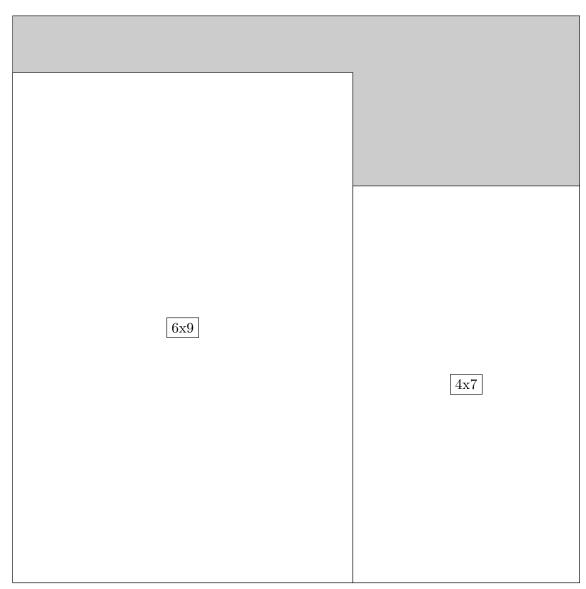
$$\mathbf{w}$$
 =4 , h =3 , x =6 , y =7 , v =12

	8x4	
9x6		1x2
		1x2

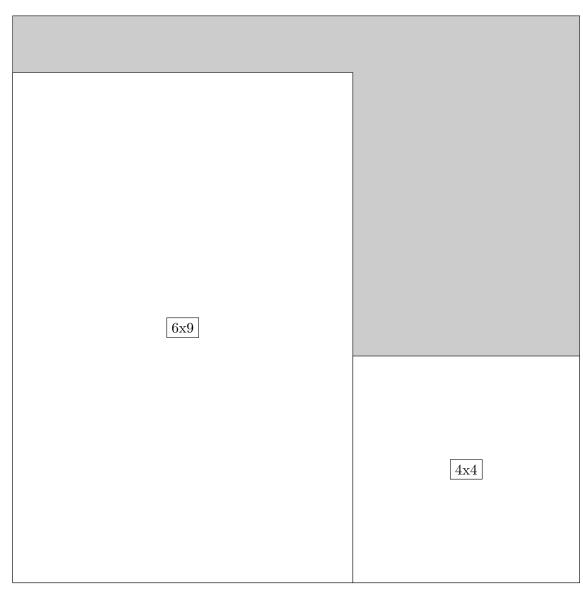
$$\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 54 \\ w = 8 \ , \ h = 4 \ , \ x = 2 \ , \ y = 6 \ , \ v = 32 \\ w = 1 \ , \ h = 2 \ , \ x = 9 \ , \ y = 0 \ , \ v = 2 \\ w = 1 \ , \ h = 2 \ , \ x = 9 \ , \ y = 2 \ , \ v = 2 \end{array}$$



 $\begin{array}{l} w = 6 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 54 \\ w = 4 \ , \ h = 9 \ , \ x = 6 \ , \ y = 0 \ , \ v = 36 \\ w = 10 \ , \ h = 1 \ , \ x = 0 \ , \ y = 9 \ , \ v = 10 \end{array}$ 



w =6, h =9, x =0, y =0, v =54 w =4, h =7, x =6, y =0, v =28



7x3	
7x7	3x5

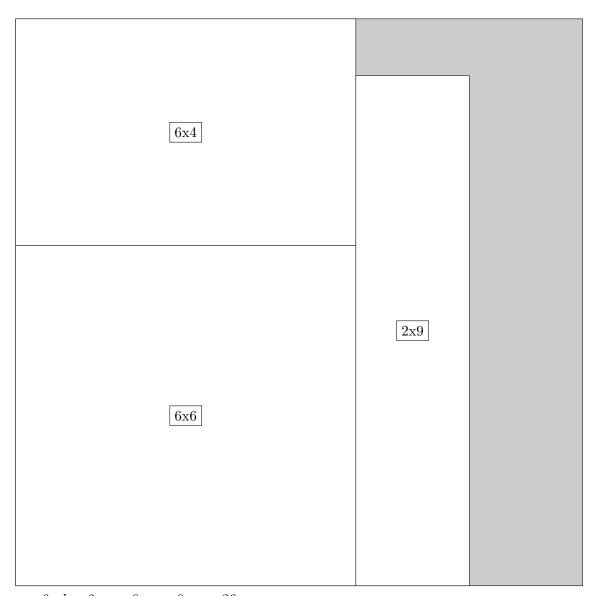
$$\mathbf{w}$$
 =7 , h =7 , x =0 , y =0 , v =49

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

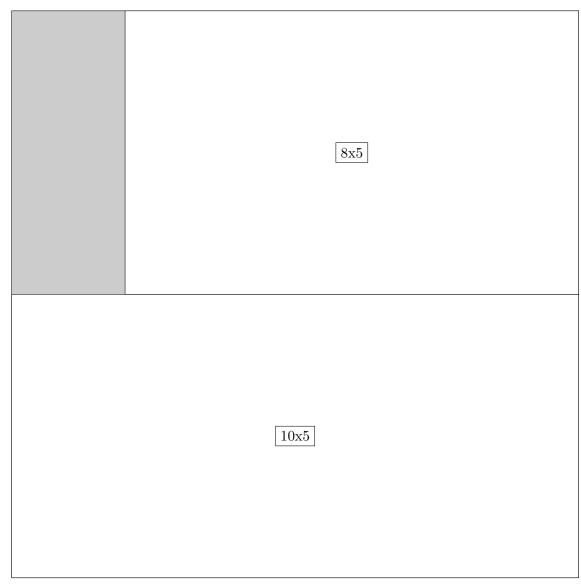
$$\le 3$$
 , h =5 , x =7 , y =0 , v =  
15

5x4	5x4
7x6	3x5

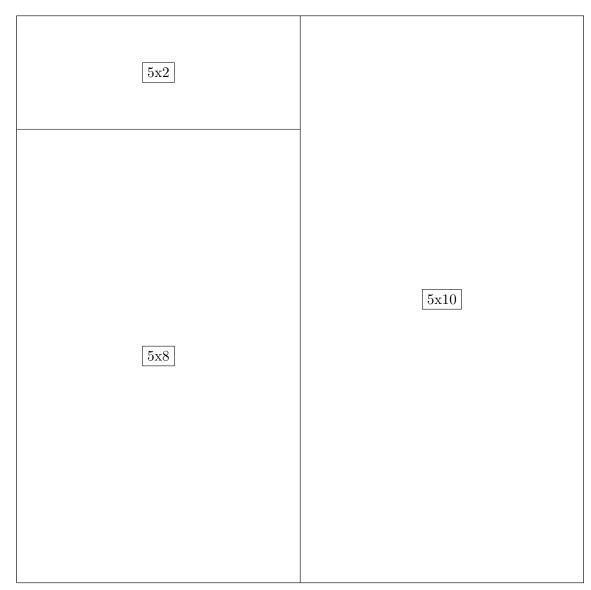
$$\begin{array}{l} w=7\ ,\, h=6\ ,\, x=0\ ,\, y=0\ ,\, v=42\\ w=5\ ,\, h=4\ ,\, x=0\ ,\, y=6\ ,\, v=20\\ w=5\ ,\, h=4\ ,\, x=5\ ,\, y=6\ ,\, v=20\\ w=3\ ,\, h=5\ ,\, x=7\ ,\, y=0\ ,\, v=15 \end{array}$$



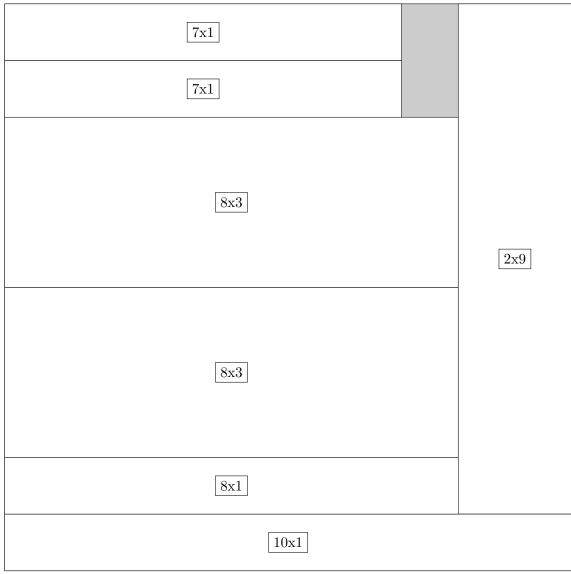
$$\begin{array}{l} w = 6 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 36 \\ w = 6 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 24 \\ w = 2 \ , \ h = 9 \ , \ x = 6 \ , \ y = 0 \ , \ v = 18 \end{array}$$



$$\begin{array}{l} w = & 10 \ , \ h = & 5 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 50 \\ w = & 8 \ , \ h = & 5 \ , \ x = & 2 \ , \ y = & 5 \ , \ v = & 40 \end{array}$$



 $\begin{array}{l} w = \! 5 \ , \ h = \! 10 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 50 \\ w = \! 5 \ , \ h = \! 8 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 40 \\ w = \! 5 \ , \ h = \! 2 \ , \ x = \! 0 \ , \ y = \! 8 \ , \ v = \! 10 \end{array}$ 



$$\mathbf{w}$$
 =8 , h =3 , x =0 , y =2 , v =24

$$\le=8$$
 , h =3 , x =0 , y =5 , v =24

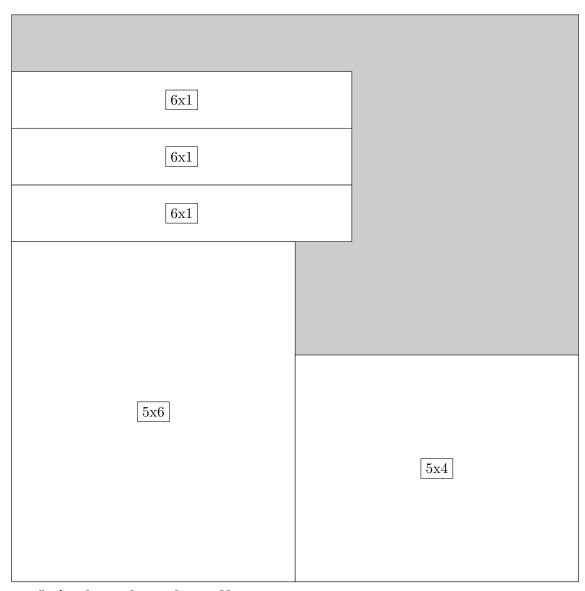
$$\mathbf{w}$$
 =2 , h =9 , x =8 , y =1 , v =18

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

$$\mathbf{w}$$
 =8 , h =1 , x =0 , y =1 , v =8

$$w = 7$$
,  $h = 1$ ,  $x = 0$ ,  $y = 8$ ,  $v = 7$ 

$$\mathbf{w}$$
 =7 , h =1 , x =0 , y =9 , v =7

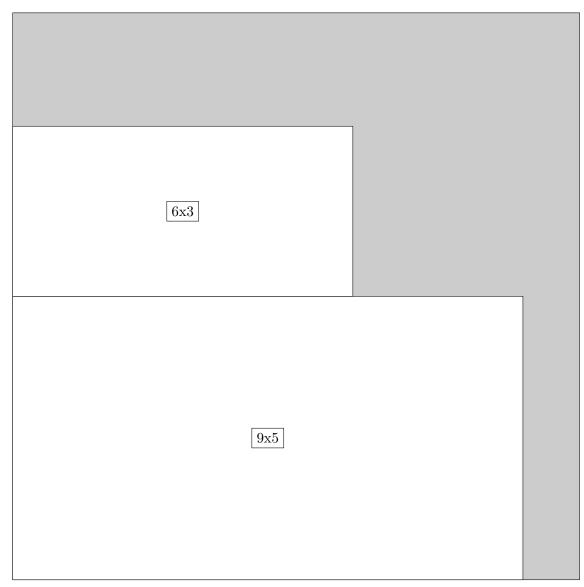


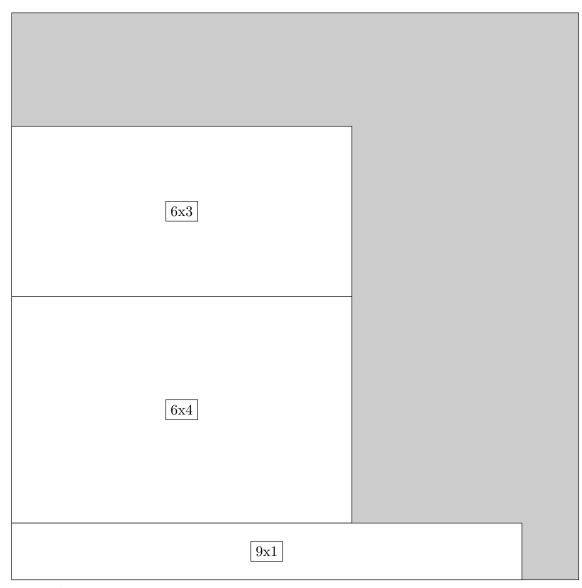
$$\begin{array}{l} w = 5 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 30 \\ w = 5 \ , \ h = 4 \ , \ x = 5 \ , \ y = 0 \ , \ v = 20 \end{array}$$

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

$$\mathbf{w}$$
 =6 , h =1 , x =0 , y =7 , v =6

$$w = 6$$
,  $h = 1$ ,  $x = 0$ ,  $y = 8$ ,  $v = 6$ 





$$\begin{array}{l} w = 6 \ , \ h = \! 4 \ , \ x = \! 0 \ , \ y = \! 1 \ , \ v = \! 24 \\ w = \! 6 \ , \ h = \! 3 \ , \ x = \! 0 \ , \ y = \! 5 \ , \ v = \! 18 \end{array}$$

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