$ClassName: \ Class\_01.2bp\text{-}15$ 

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

TypeNum: 35Num: **40** OutS: **1400** InS:  $\underline{1061}$ Rate: 0.758UB: <u>14</u> LB0: <u>14</u> LB: **14** 

LBWithCut: 14 NodeCut:  $\mathbf{0}$ 

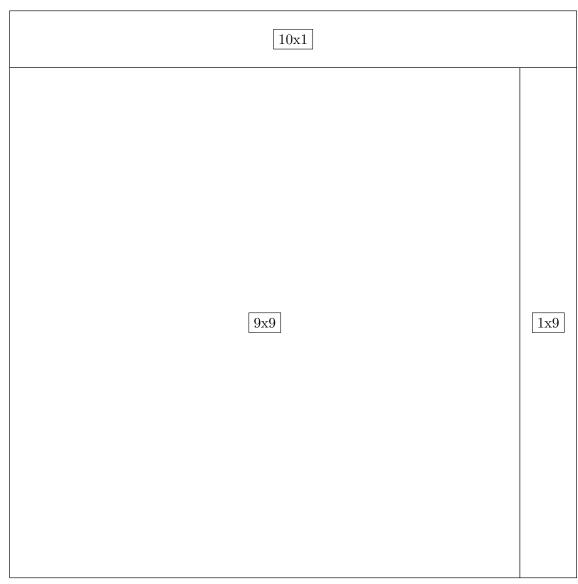
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\mathbf{1}$ PrimalNode:  $\mathbf{0}$ ColumnCount: 14  $TotalCutCount: \ \mathbf{0}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ 

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

is Opt:  $\underline{\mathbf{true}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.142 s



 $\begin{array}{l} w = 9 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 81 \\ w = 1 \ , \ h = 9 \ , \ x = 9 \ , \ y = 0 \ , \ v = 9 \\ w = 10 \ , \ h = 1 \ , \ x = 0 \ , \ y = 9 \ , \ v = 10 \end{array}$ 



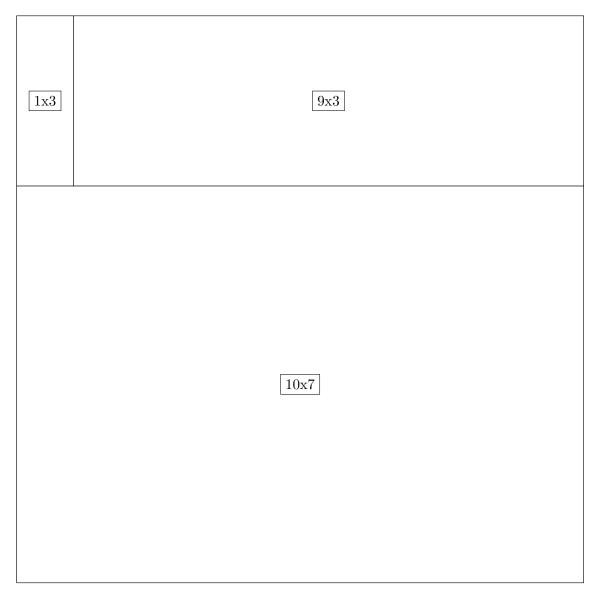
8x1	
	2x1
8x9	2x8

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

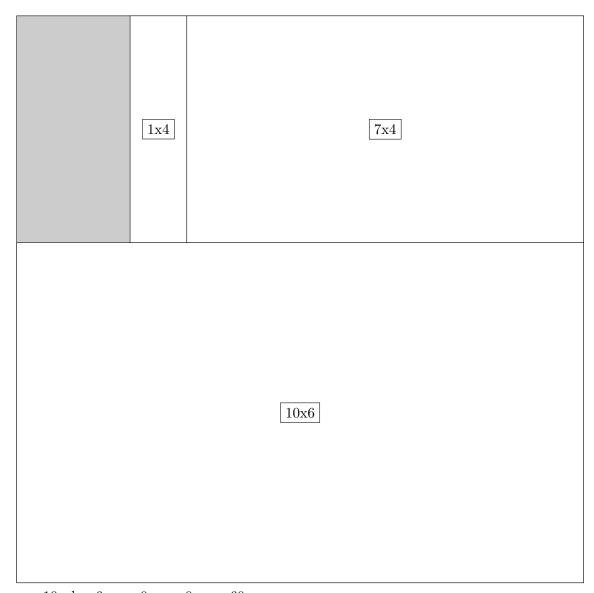
$$\le =2$$
 , h =8 , x =8 , y =0 , v =  
16

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

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



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



 $\begin{array}{l} w = & 10 \ , \ h = & 6 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 60 \\ w = & 7 \ , \ h = & 4 \ , \ x = & 3 \ , \ y = & 6 \ , \ v = & 28 \\ w = & 1 \ , \ h = & 4 \ , \ x = & 2 \ , \ y = & 6 \ , \ v = & 4 \end{array}$ 

7x1	
7x7	3x8

 $\begin{array}{l} w = 7 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 49 \\ w = 3 \ , \ h = 8 \ , \ x = 7 \ , \ y = 0 \ , \ v = 24 \end{array}$ 

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

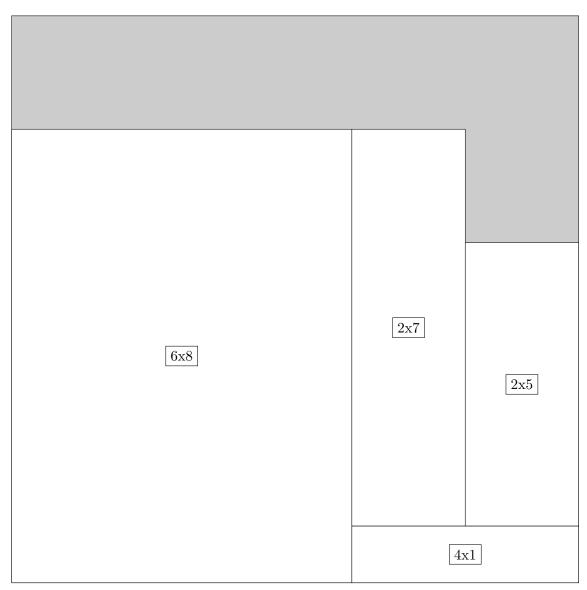
6x1	42	<u>54</u>
8x6		2x6

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

$$\mathbf{w}$$
 =4 , h =4 , x =6 , y =6 , v =16

$$\mathbf{w}$$
 =2 , h =6 , x =8 , y =0 , v =12

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

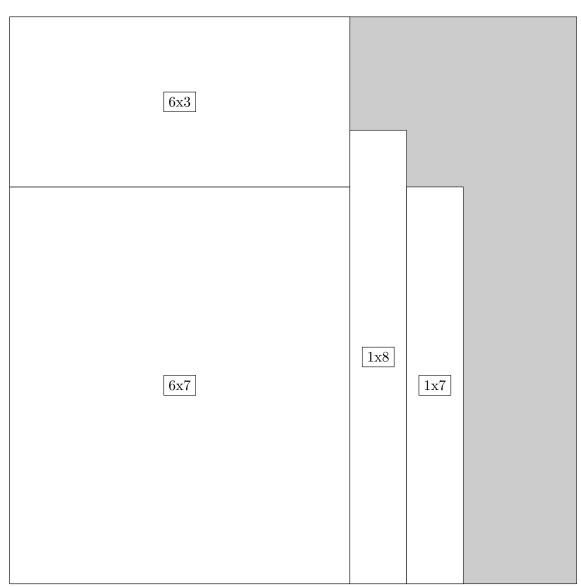


$$w = 6$$
,  $h = 8$ ,  $x = 0$ ,  $y = 0$ ,  $v = 48$ 

$$\mathbf{w}$$
 =2 , h =7 , x =6 , y =1 , v =14

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

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

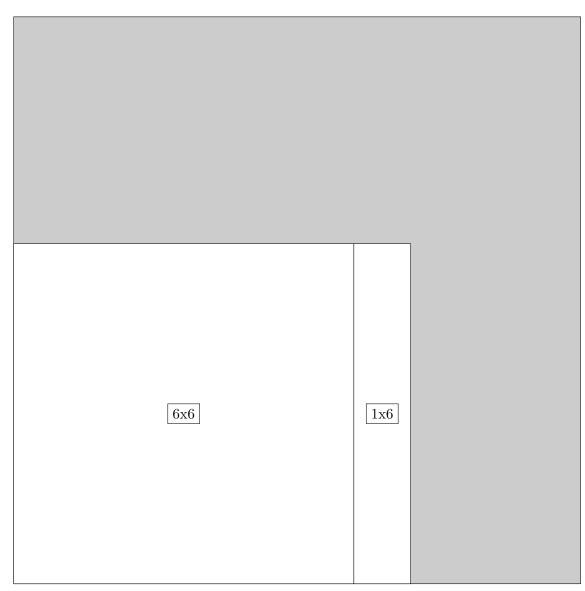


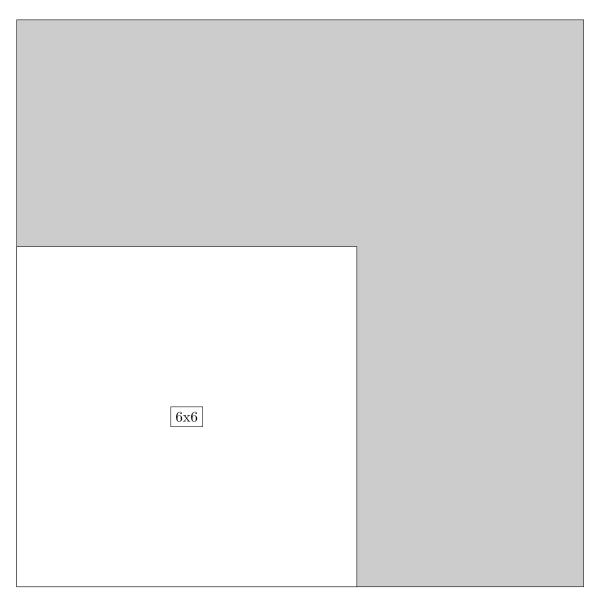
$$\mathbf{w}$$
 =6 , h =7 , x =0 , y =0 , v =42

$$\mathbf{w}$$
 =6 , h =3 , x =0 , y =7 , v =18

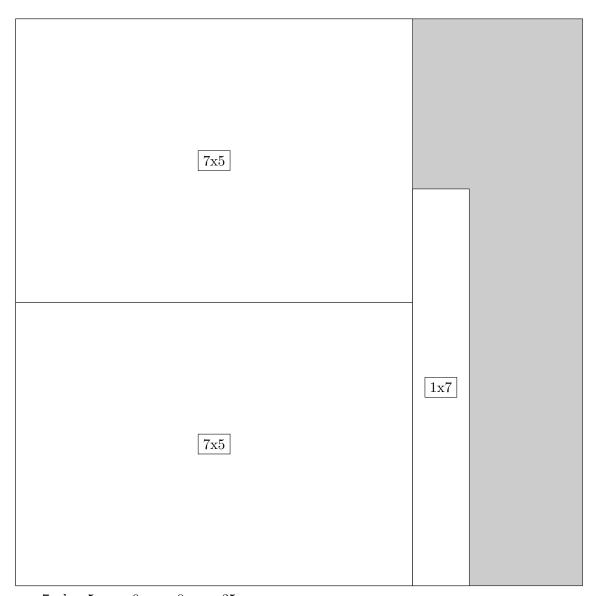
$$\le =1$$
 , h =8 , x =6 , y =0 , v =8

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





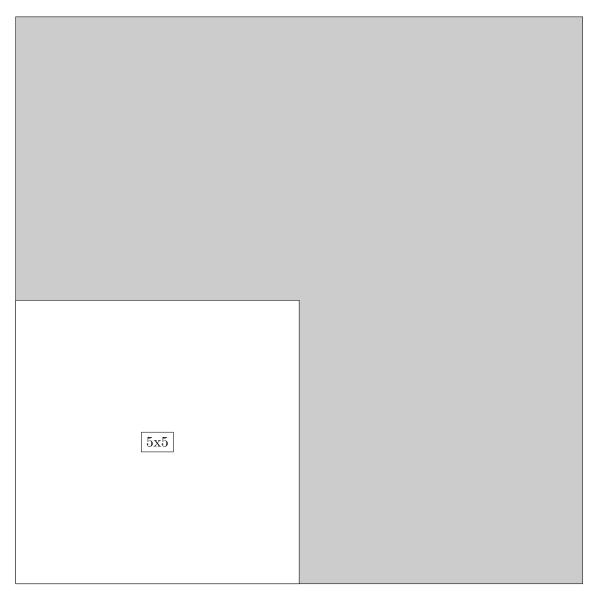
 $\mathbf{w}$  =6 , h =6 , x =0 , y =0 , v =36



$$\begin{array}{c} w = 7 \;, \; h = 5 \;, \; x = 0 \;, \; y = 5 \;, \; v = 35 \\ w = 1 \;, \; h = 7 \;, \; x = 7 \;, \; y = 0 \;, \; v = 7 \\ \end{array}$$

8x1		
5x7	5x7	

$$\begin{array}{l} w = 5 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 35 \\ w = 5 \ , \ h = 7 \ , \ x = 5 \ , \ y = 0 \ , \ v = 35 \\ w = 8 \ , \ h = 1 \ , \ x = 0 \ , \ y = 7 \ , \ v = 8 \end{array}$$



 $\mathbf{w}$  =5 , h =5 , x =0 , y =0 , v = 25