${\bf ClassName:}~{\bf Class\_01.2bp\text{-}13}$ 

BinSize:  $\underline{10} \times \underline{10}$ ReduceSize:  $\underline{10} \times \underline{10}$ 

TypeNum: <u>36</u>
Num: <u>40</u>
OutS: <u>1400</u>
InS: <u>1247</u>
Rate: <u>0.891</u>
UB: <u>14</u>
LB0: <u>14</u>
LB: <u>14</u>

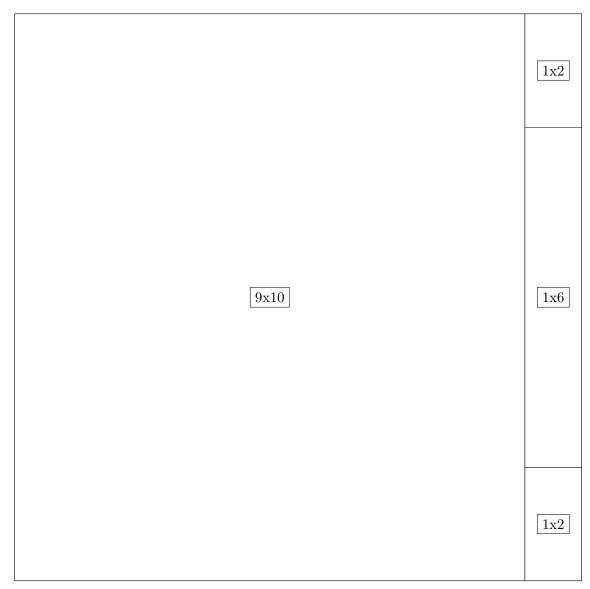
LBWithCut:  $\underline{14}$ NodeCut:  $\underline{0}$ PrimalNode:  $\underline{0}$ ColumnCount:  $\underline{14}$ TotalCutCount:  $\underline{0}$ RootCutCount:  $\underline{0}$ LPSolverCnt:  $\underline{1}$ PricingSolverCnt:  $\underline{0}$ BranchAndBoundNum:  $\underline{1}$ 

isOpt: **true** 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 0.125 s



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

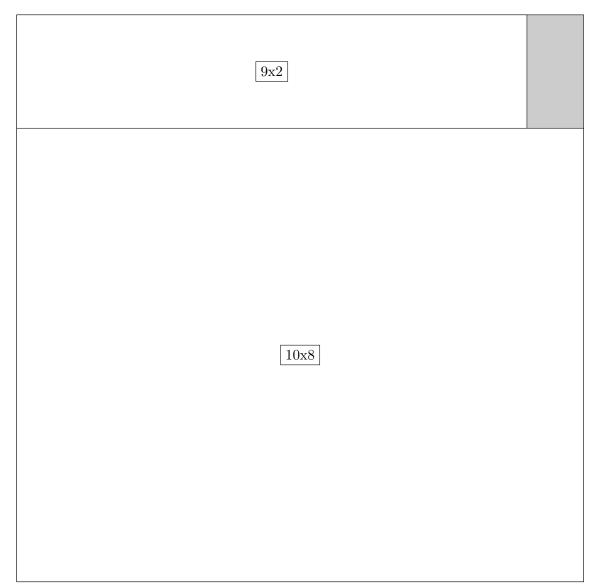


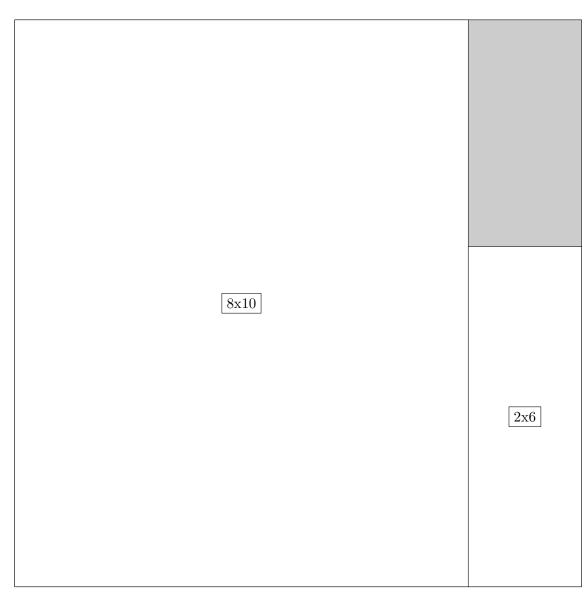
$$\le =9$$
 ,  $h$  =10 ,  $x$  =0 ,  $y$  =0 ,  $v$  =90

$$\mathbf{w}$$
 =1 , h =6 , x =9 , y =2 , v =6

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

$$\mathbf{w}$$
 =1 , h =2 , x =9 , y =0 , v =2





 $\begin{array}{l} w = 8 \ , \ h = \!\! 10 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 80 \\ w = \!\! 2 \ , \ h = \!\! 6 \ , \ x = \!\! 8 \ , \ y = \!\! 0 \ , \ v = \!\! 12 \end{array}$ 



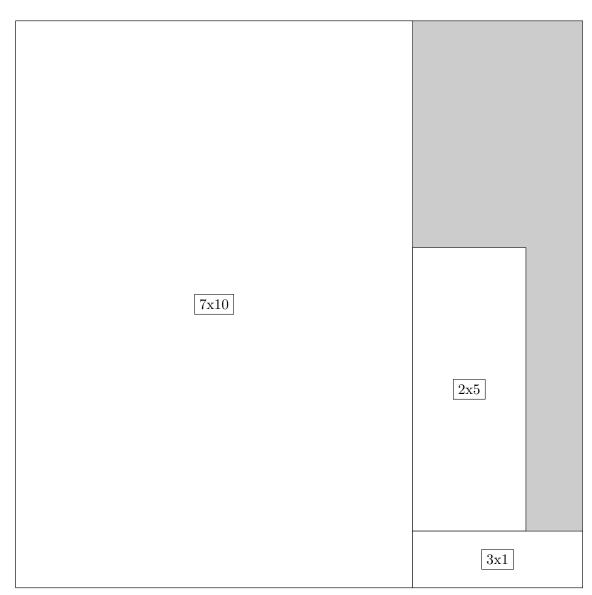
$$\begin{array}{l} w = 9 \ , \ h = 8 \ , \ x = 0 \ , \ y = 0 \ , \ v = 72 \\ w = 8 \ , \ h = 2 \ , \ x = 0 \ , \ y = 8 \ , \ v = 16 \end{array}$$

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

$$\mathbf{w} = \!\! 1$$
 ,  $\mathbf{h} = \!\! 4$  ,  $\mathbf{x} = \!\! 9$  ,  $\mathbf{y} = \!\! 5$  ,  $\mathbf{v} = \!\! 4$ 

8x9	2x9

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



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

$$\mathbf{w}$$
 =2 , h =5 , x =7 , y =1 , v =10

$$\mathbf{w}$$
 =3 , h =1 , x =7 , y =0 , v =3

5x2	5x2
7x8	

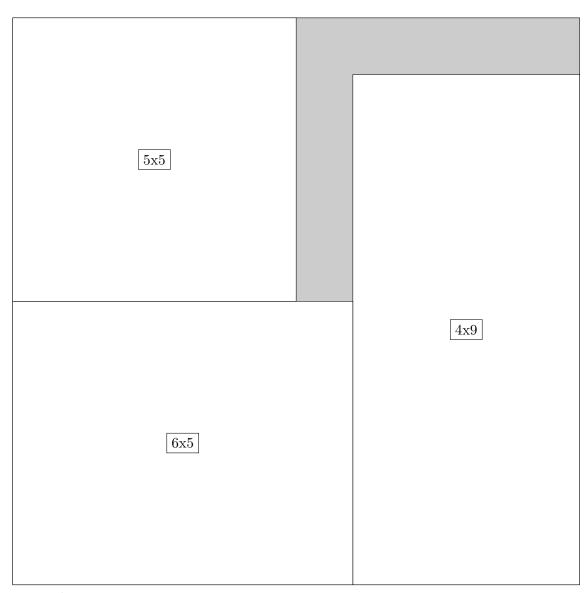
$$\begin{array}{l} w = 7 \ , \ h = 8 \ , \ x = 0 \ , \ y = 0 \ , \ v = 56 \\ w = 5 \ , \ h = 2 \ , \ x = 5 \ , \ y = 8 \ , \ v = 10 \\ w = 5 \ , \ h = 2 \ , \ x = 0 \ , \ y = 8 \ , \ v = 10 \end{array}$$

3x3		7x4	
62	<del>-6</del>	4x6	

$$\begin{array}{l} w=6\ ,\, h=6\ ,\, x=0\ ,\, y=0\ ,\, v=36\\ w=7\ ,\, h=4\ ,\, x=3\ ,\, y=6\ ,\, v=28\\ w=4\ ,\, h=6\ ,\, x=6\ ,\, y=0\ ,\, v=24\\ w=3\ ,\, h=3\ ,\, x=0\ ,\, y=6\ ,\, v=9 \end{array}$$

8x3	
5x7	5x7

$$\begin{array}{l} w = 5 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 35 \\ w = 5 \ , \ h = 7 \ , \ x = 5 \ , \ y = 0 \ , \ v = 35 \\ w = 8 \ , \ h = 3 \ , \ x = 0 \ , \ y = 7 \ , \ v = 24 \end{array}$$



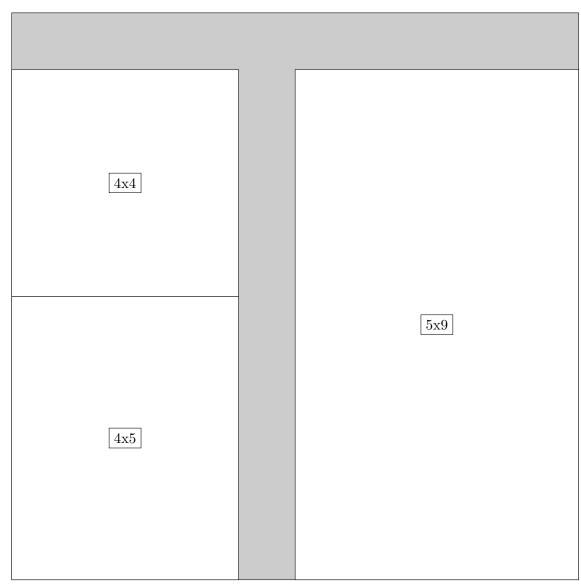
$$\begin{array}{l} w = \! 4 \ , \ h = \! 9 \ , \ x = \! 6 \ , \ y = \! 0 \ , \ v = \! 36 \\ w = \! 6 \ , \ h = \! 5 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 30 \end{array}$$

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

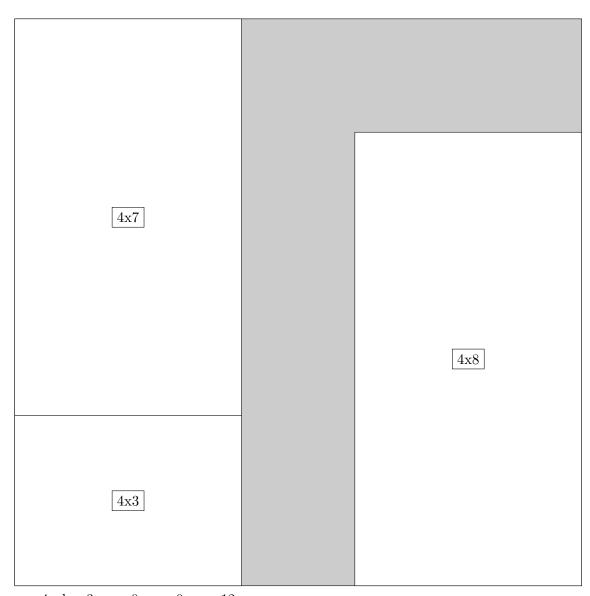
9x4	
5x4	5x4

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

$$w = 9$$
 ,  $h = 4$  ,  $x = 0$  ,  $y = 4$  ,  $v = 36$ 



 $\begin{array}{l} w = 5 \ , \ h = 9 \ , \ x = 5 \ , \ y = 0 \ , \ v = 45 \\ w = 4 \ , \ h = 5 \ , \ x = 0 \ , \ y = 0 \ , \ v = 20 \\ w = 4 \ , \ h = 4 \ , \ x = 0 \ , \ y = 5 \ , \ v = 16 \end{array}$ 



 $\begin{array}{l} w = \! 4 \ , \ h = \! 3 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 12 \\ w = \! 4 \ , \ h = \! 8 \ , \ x = \! 6 \ , \ y = \! 0 \ , \ v = \! 32 \\ w = \! 4 \ , \ h = \! 7 \ , \ x = \! 0 \ , \ y = \! 3 \ , \ v = \! 28 \end{array}$