${\bf ClassName:}~{\bf Class\_01.2bp\text{-}11}$ 

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

TypeNum: <u>36</u> Num: <u>40</u> OutS: <u>1200</u> InS: <u>1070</u> Rate: <u>0.892</u> UB: <u>12</u> LB: <u>12</u>

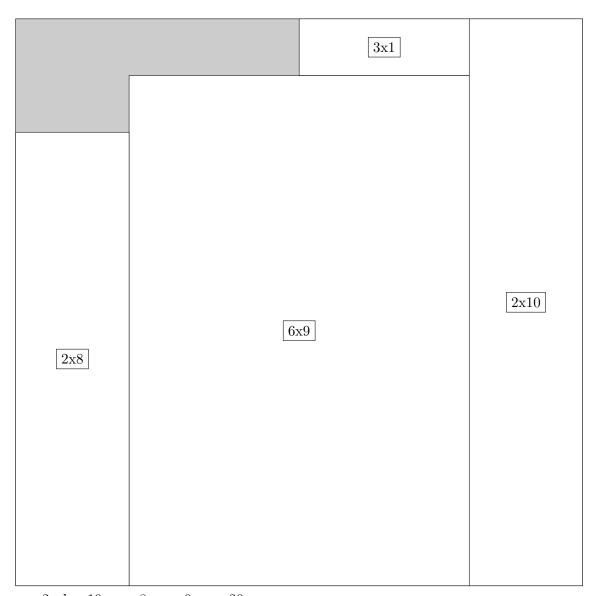
LBWithCut:  $\underline{12}$ NodeCount:  $\underline{0}$ PrimalNode:  $\underline{0}$ ColumnCount:  $\underline{12}$ TotalCutCount:  $\underline{0}$ RootCutCount:  $\underline{0}$ LPSolverCnt:  $\underline{1}$ PricingSolverCnt:  $\underline{0}$ BranchAndBoundNum:  $\underline{1}$ 

isOpt: **true** 

 $\begin{array}{ll} \text{TimeOnPrimal: } \underline{0.000 \text{ s}} \\ \text{TimeOnPricing: } \underline{0.000 \text{ s}} \\ \text{TimeOnRmp: } \underline{0.062 \text{ s}} \\ \text{TotalTime: } \underline{0.187 \text{ s}} \end{array}$ 

7x2 10x1 10x2 10x5

$$\begin{array}{l} w = \! 10 \; , \; h = \! 5 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 50 \\ w = \! 10 \; , \; h = \! 2 \; , \; x = \! 0 \; , \; y = \! 5 \; , \; v = \! 20 \\ w = \! 10 \; , \; h = \! 1 \; , \; x = \! 0 \; , \; y = \! 7 \; , \; v = \! 10 \\ w = \! 7 \; , \; h = \! 2 \; , \; x = \! 3 \; , \; y = \! 8 \; , \; v = \! 14 \end{array}$$



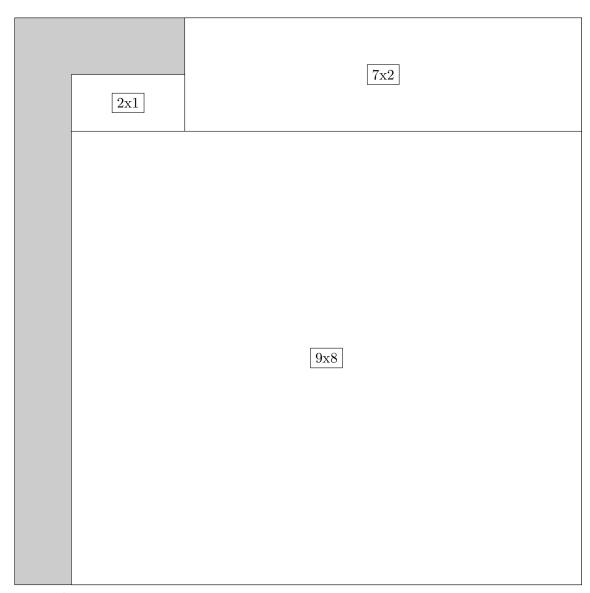
$$\mathbf{w}$$
 =2 , h =10 , x =8 , y =0 , v =20

$$\mathbf{w}$$
 =6 , h =9 , x =2 , y =0 , v =  
54

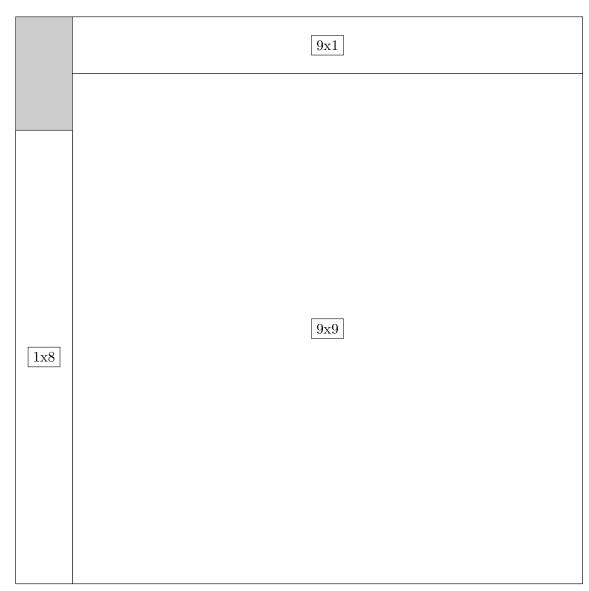
$$\le 3$$
 , h =1 , x =5 , y =9 , v =3

$$\mathbf{w}$$
 =2 , h =8 , x =0 , y =0 , v =  
16





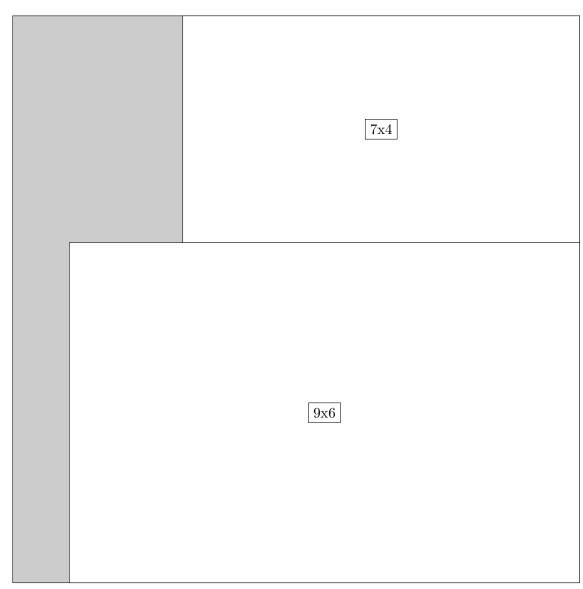
$$\begin{array}{l} w = 9 \ , \ h = 8 \ , \ x = 1 \ , \ y = 0 \ , \ v = 72 \\ w = 7 \ , \ h = 2 \ , \ x = 3 \ , \ y = 8 \ , \ v = 14 \\ w = 2 \ , \ h = 1 \ , \ x = 1 \ , \ y = 8 \ , \ v = 2 \end{array}$$



$$\begin{array}{l} w = 9 \ , \ h = 9 \ , \ x = 1 \ , \ y = 0 \ , \ v = 81 \\ w = 9 \ , \ h = 1 \ , \ x = 1 \ , \ y = 9 \ , \ v = 9 \\ w = 1 \ , \ h = 8 \ , \ x = 0 \ , \ y = 0 \ , \ v = 8 \end{array}$$

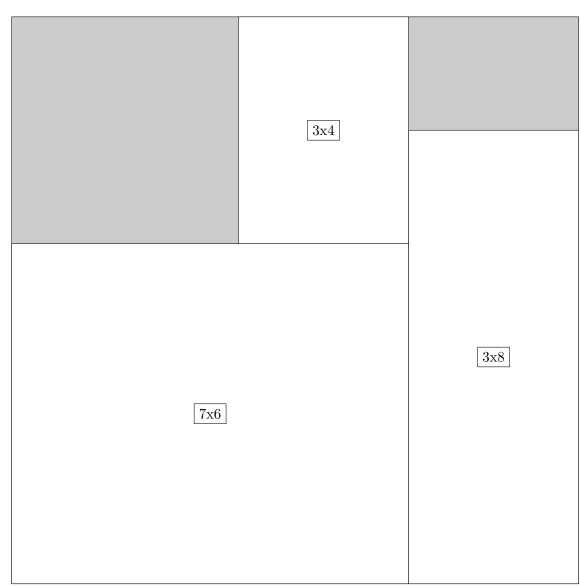
	5x2	
1x3	7x3	2x5
1x5	$9\mathrm{x}5$	

 $\begin{array}{l} w=9 \ , \ h=5 \ , \ x=1 \ , \ y=0 \ , \ v=45 \\ w=1 \ , \ h=5 \ , \ x=0 \ , \ y=0 \ , \ v=5 \\ w=2 \ , \ h=5 \ , \ x=8 \ , \ y=5 \ , \ v=10 \\ w=7 \ , \ h=3 \ , \ x=1 \ , \ y=5 \ , \ v=21 \\ w=1 \ , \ h=3 \ , \ x=0 \ , \ y=5 \ , \ v=3 \\ w=5 \ , \ h=2 \ , \ x=3 \ , \ y=8 \ , \ v=10 \end{array}$ 



	8x3
3x1	
3x6	7x7

$$\begin{array}{l} w=7\ ,\, h=7\ ,\, x=3\ ,\, y=0\ ,\, v=49\\ w=3\ ,\, h=6\ ,\, x=0\ ,\, y=0\ ,\, v=18\\ w=3\ ,\, h=1\ ,\, x=0\ ,\, y=6\ ,\, v=3\\ w=8\ ,\, h=3\ ,\, x=2\ ,\, y=7\ ,\, v=24 \end{array}$$

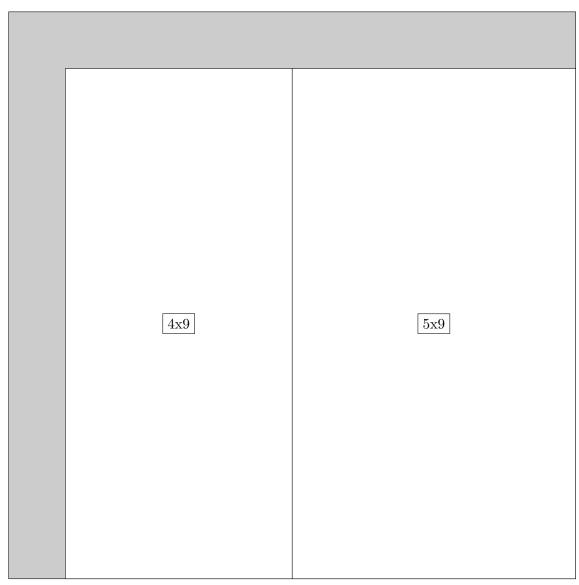


$$\le =3$$
 , h =  
8 , x =  
7 , y =  
0 , v =  
24

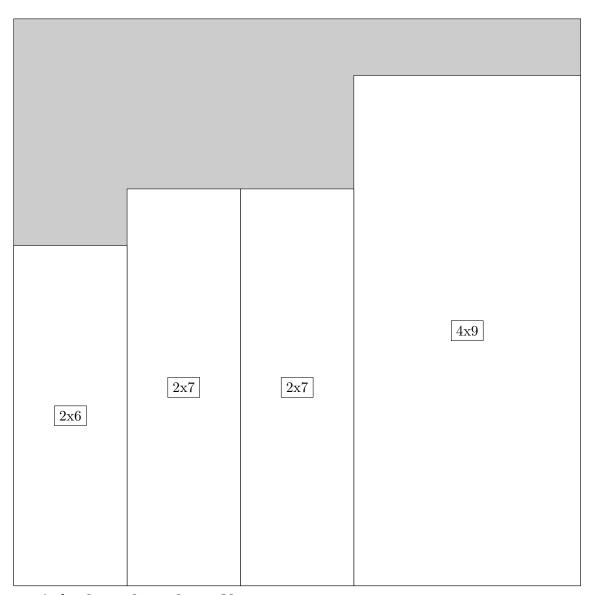
$$w = 3$$
,  $h = 4$ ,  $x = 4$ ,  $y = 6$ ,  $v = 12$ 

	6x3
4x8	
	6x7

 $\begin{array}{l} w = 6 \ , \ h = 7 \ , \ x = 4 \ , \ y = 0 \ , \ v = 42 \\ w = 6 \ , \ h = 3 \ , \ x = 4 \ , \ y = 7 \ , \ v = 18 \\ w = 4 \ , \ h = 8 \ , \ x = 0 \ , \ y = 0 \ , \ v = 32 \end{array}$ 



 $\begin{array}{c} w = 5 \ , \ h = 9 \ , \ x = 5 \ , \ y = 0 \ , \ v = 45 \\ w = 4 \ , \ h = 9 \ , \ x = 1 \ , \ y = 0 \ , \ v = 36 \end{array}$ 



$$\begin{array}{l} w = 4 \ , \ h = 9 \ , \ x = 6 \ , \ y = 0 \ , \ v = 36 \\ w = 2 \ , \ h = 7 \ , \ x = 4 \ , \ y = 0 \ , \ v = 14 \\ w = 2 \ , \ h = 7 \ , \ x = 2 \ , \ y = 0 \ , \ v = 14 \\ w = 2 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 12 \end{array}$$