${\bf ClassName:}~{\bf Class\_01.2bp\text{-}19}$ 

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

TypeNum: <u>30</u> Num: <u>40</u> OutS: <u>1100</u> InS: <u>1026</u> Rate: <u>0.933</u> UB: <u>11</u>

UB: <u>11</u> LB0: <u>11</u> LB: **11** 

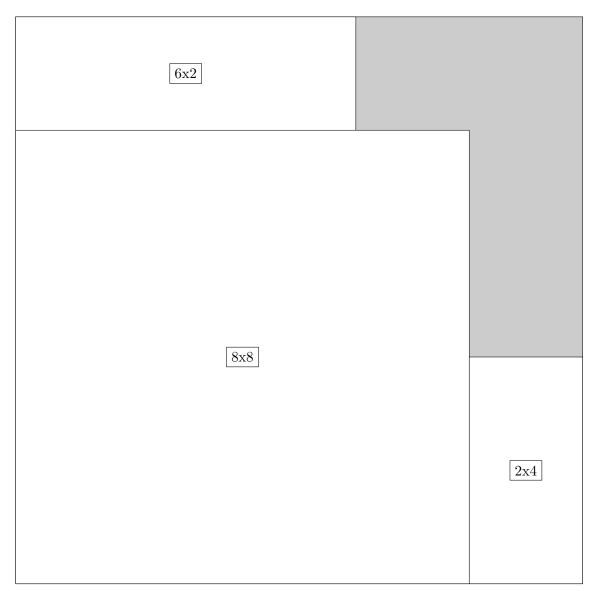
LBWithCut:  $\underline{\mathbf{11}}$ NodeCut:  $\underline{\mathbf{0}}$ 

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

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{11}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

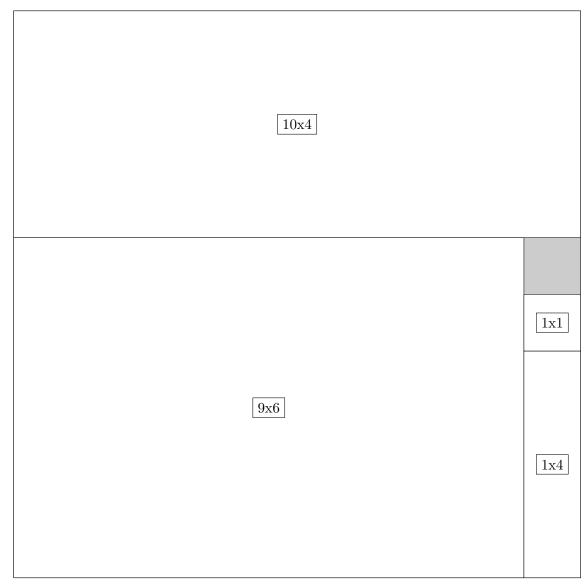
isOpt: **true** 

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.020 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.160 \ s} \end{array}$ 



$$\begin{array}{l} w = 8 \;, \; h = 8 \;, \; x = 0 \;, \; y = 0 \;, \; v = 64 \\ w = 6 \;, \; h = 2 \;, \; x = 0 \;, \; y = 8 \;, \; v = 12 \end{array}$$

$$w = 2$$
 ,  $h = 4$  ,  $x = 8$  ,  $y = 0$  ,  $v = 8$ 



$$\begin{array}{l} w=9\ ,\ h=6\ ,\ x=0\ ,\ y=0\ ,\ v=54\\ w=10\ ,\ h=4\ ,\ x=0\ ,\ y=6\ ,\ v=40\\ w=1\ ,\ h=4\ ,\ x=9\ ,\ y=0\ ,\ v=4\\ w=1\ ,\ h=1\ ,\ x=9\ ,\ y=4\ ,\ v=1 \end{array}$$



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

[3x2]		7x2	
			7
6x	c8	4x8	

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

$$\begin{array}{l} w = \! 4 \ , \ h = \! 8 \ , \ x = \! 6 \ , \ y = \! 0 \ , \ v = \! 32 \\ w = \! 7 \ , \ h = \! 2 \ , \ x = \! 3 \ , \ y = \! 8 \ , \ v = \! 14 \end{array}$$

 $<sup>\</sup>mathbf{w}$  =3 , h =2 , x =0 , y =8 , v =6

6x8 4x8	3x1 3x1		[7x2]
6x8 4x8			
6x8 4x8			
	6x	8	4x8

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

$$\le=4$$
 , h =8 , x =6 , y =0 , v =32

$$\mathbf{w}$$
 =7 , h =2 , x =3 , y =8 , v =  
14

$$w = 3$$
,  $h = 1$ ,  $x = 0$ ,  $y = 9$ ,  $v = 3$ 

$7\mathrm{x}4$	3x5
7x6	3x5

$$w = 7$$
,  $h = 6$ ,  $x = 0$ ,  $y = 0$ ,  $v = 42$ 

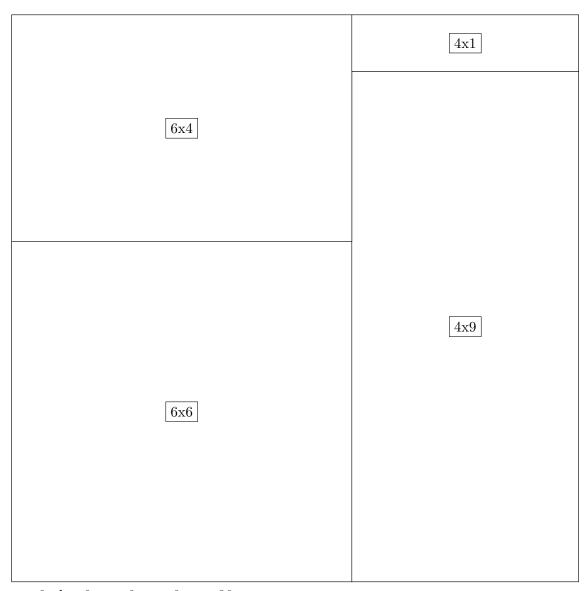
$$\mathbf{w}$$
 =7 , h =4 , x =0 , y =6 , v =28

$$\mathbf{w}$$
 =3 , h =5 , x =7 , y =0 , v =15

$$\mathbf{w}$$
 =3 , h =5 , x =7 , y =5 , v =  
15

8x3			
6x7		4x7	

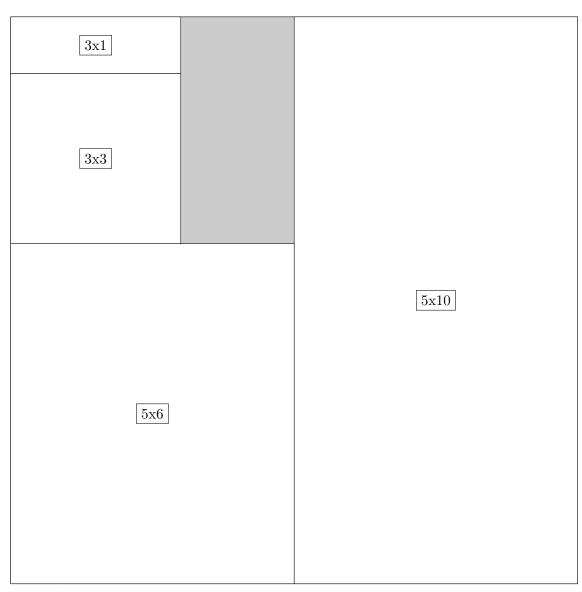
 $\begin{array}{l} w=6\ ,\, h=7\ ,\, x=0\ ,\, y=0\ ,\, v=42\\ w=4\ ,\, h=7\ ,\, x=6\ ,\, y=0\ ,\, v=28\\ w=8\ ,\, h=3\ ,\, x=2\ ,\, y=7\ ,\, v=24 \end{array}$ 



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

$$\mathbf{w}$$
 =6 , h =4 , x =0 , y =6 , v =24

$$\mathbf{w}$$
 =4 , h =1 , x =6 , y =9 , v =4

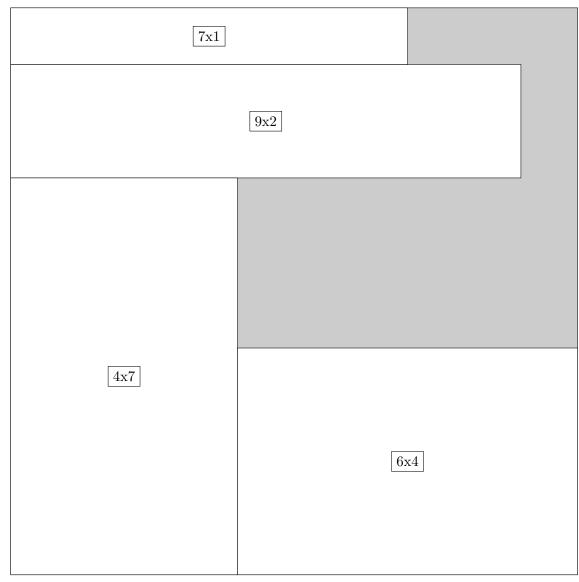


$$\le =5$$
 ,  $h$  =10 ,  $x$  =5 ,  $y$  =0 ,  $v$  =50

$$\mathbf{w}$$
 =5 , h =6 , x =0 , y =0 , v =30

$$\le 3$$
 , h =  
3 , x =  
0 , y =  
6 , v =  
9

$$\mathbf{w}$$
 =3 , h =1 , x =0 , y =9 , v =3



$$w = 9$$
,  $h = 2$ ,  $x = 0$ ,  $y = 7$ ,  $v = 18$ 

$$w = 4$$
,  $h = 7$ ,  $x = 0$ ,  $y = 0$ ,  $v = 28$ 

$$\mathbf{w}$$
 =6 , h =4 , x =4 , y =0 , v =24

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

