$ClassName: \ Class\_01.2bp-27$ 

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

TypeNum: <u>49</u> Num: <u>60</u> OutS: <u>2100</u> InS: <u>1883</u> Rate: <u>0.897</u> UB: <u>21</u> LB0: <u>21</u>

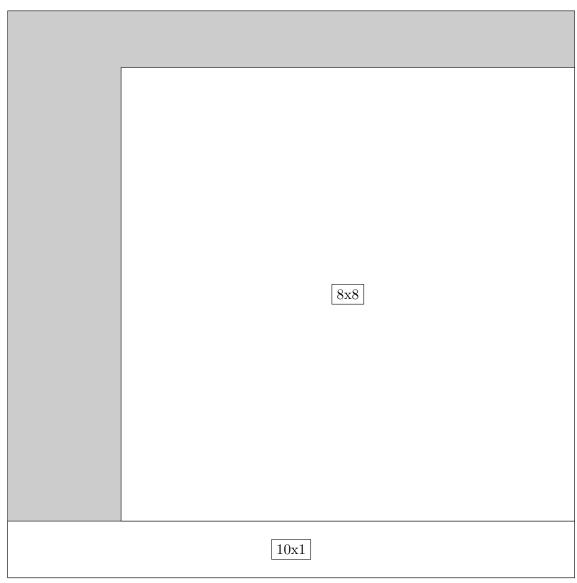
LB: <u>21</u> LBWithCut: <u>21</u>

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{21}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

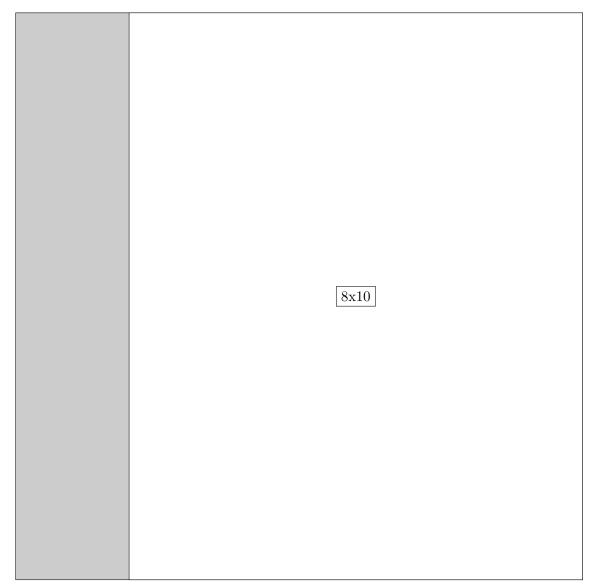
isOpt: **true** 

TimeOnInitSolution:  $\underline{600.000 \text{ s}}$ 

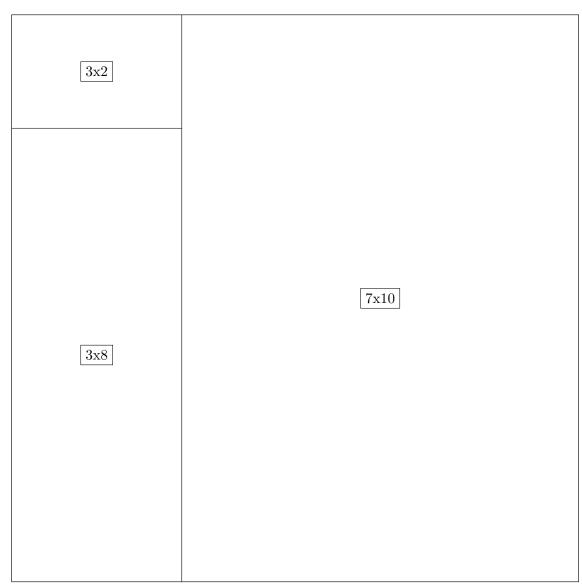
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 600.328 s



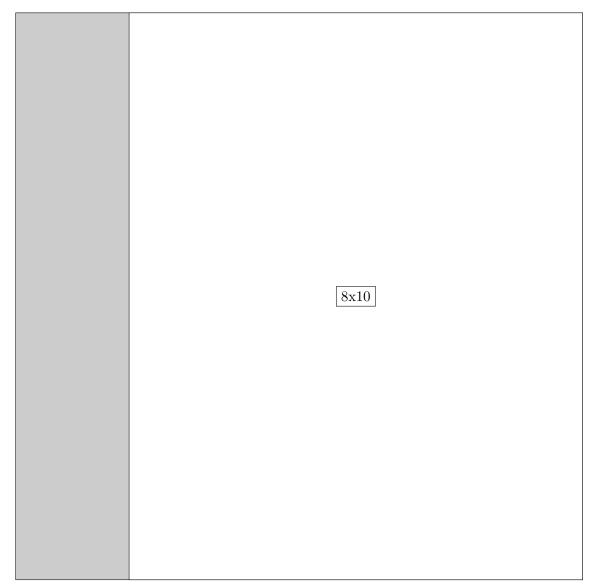
 $\begin{array}{l} w = \! 10 \; , \; h = \! 1 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 10 \\ w = \! 8 \; , \; h = \! 8 \; , \; x = \! 2 \; , \; y = \! 1 \; , \; v = \! 64 \end{array}$ 



 $\mathbf{w}$  =8 , h =10 , x =2 , y =0 , v =80



$$\begin{array}{l} w = 7 \ , \ h = \! 10 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 70 \\ w = \! 3 \ , \ h = \! 8 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 24 \\ w = \! 3 \ , \ h = \! 2 \ , \ x = \! 0 \ , \ y = \! 8 \ , \ v = \! 6 \end{array}$$

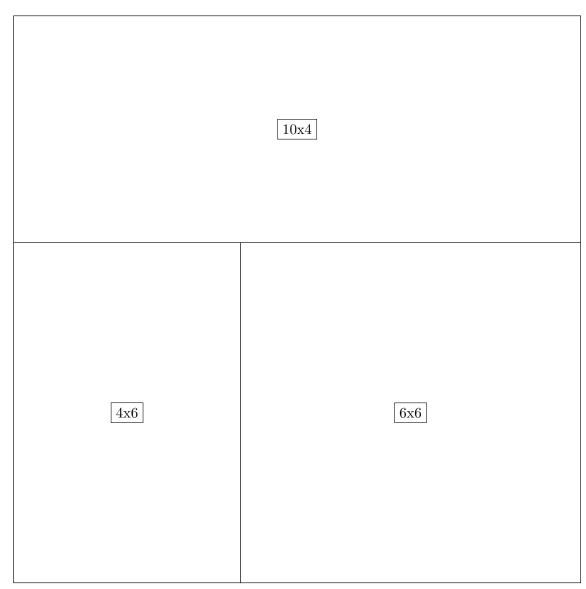


 $\mathbf{w}$  =8 , h =10 , x =2 , y =0 , v =80

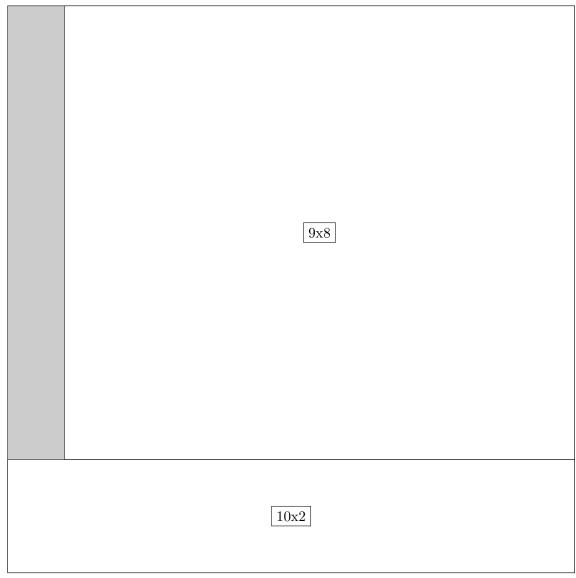
4x1	
5x9	$5\mathrm{x}10$

 $\begin{array}{l} w = \! 5 \ , \ h = \! 10 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 50 \\ w = \! 5 \ , \ h = \! 9 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 45 \end{array}$ 

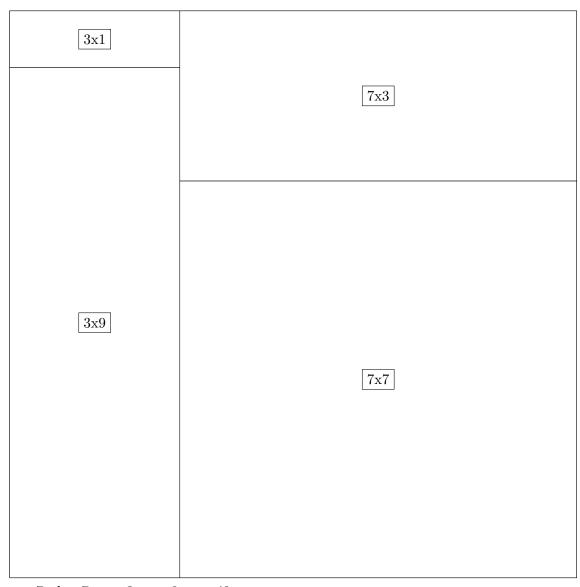
w = 4 , h = 1 , x = 1 , y = 9 , v = 4



$$\begin{array}{l} w=6 \ , \ h=6 \ , \ x=4 \ , \ y=0 \ , \ v=36 \\ w=4 \ , \ h=6 \ , \ x=0 \ , \ y=0 \ , \ v=24 \\ w=10 \ , \ h=4 \ , \ x=0 \ , \ y=6 \ , \ v=40 \end{array}$$



$$w$$
 =10 ,  $h$  =2 ,  $x$  =0 ,  $y$  =0 ,  $v$  =20  $w$  =9 ,  $h$  =8 ,  $x$  =1 ,  $y$  =2 ,  $v$  =72



$$\mathbf{w}$$
 =7 , h =7 , x =3 , y =0 , v =49

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

$$w = 3$$
 ,  $h = 9$  ,  $x = 0$  ,  $y = 0$  ,  $v = 27$ 

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

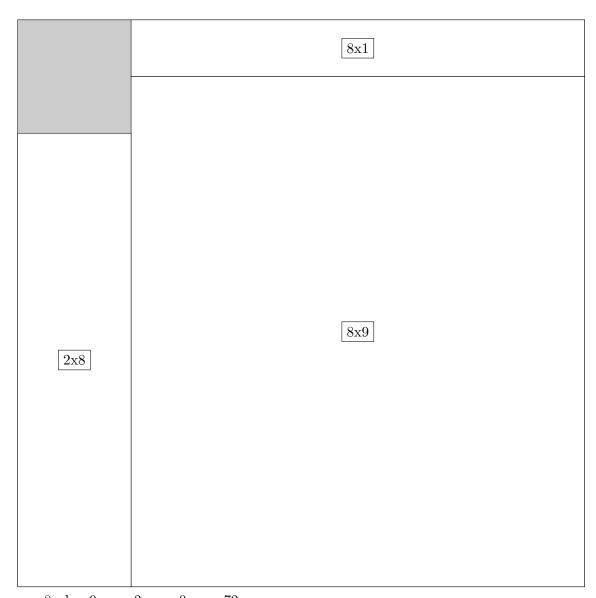
3x1	7x3
[3x7]	7x7

 $\mathbf{w}$  =7 ,  $\mathbf{h}$  =7 ,  $\mathbf{x}$  =3 ,  $\mathbf{y}$  =0 ,  $\mathbf{v}$  =49

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

 $\le =3$  , h =7 , x =0 , y =0 , v = 21

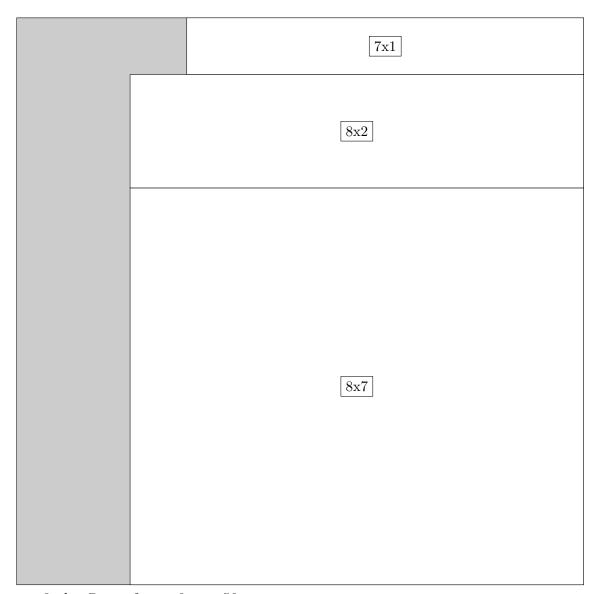
 $\mathbf{w}$  =3 , h =1 , x =0 , y =7 , v =3



 $\begin{array}{l} w = 8 \;, \; h = 9 \;, \; x = 2 \;, \; y = 0 \;, \; v = 72 \\ w = 8 \;, \; h = 1 \;, \; x = 2 \;, \; y = 9 \;, \; v = 8 \\ w = 2 \;, \; h = 8 \;, \; x = 0 \;, \; y = 0 \;, \; v = 16 \end{array}$ 

	6x1
3x6	
	6x9
4	
	6x9

$$\begin{array}{l} w=6\ ,\, h=9\ ,\, x=4\ ,\, y=0\ ,\, v=54\\ w=6\ ,\, h=1\ ,\, x=4\ ,\, y=9\ ,\, v=6\\ w=4\ ,\, h=4\ ,\, x=0\ ,\, y=0\ ,\, v=16\\ w=3\ ,\, h=6\ ,\, x=1\ ,\, y=4\ ,\, v=18\\ w=1\ ,\, h=4\ ,\, x=0\ ,\, y=4\ ,\, v=4\\ \end{array}$$



$$\begin{array}{l} w = 8 \;, \; h = 7 \;, \; x = 2 \;, \; y = 0 \;, \; v = 56 \\ w = 8 \;, \; h = 2 \;, \; x = 2 \;, \; y = 7 \;, \; v = 16 \\ w = 7 \;, \; h = 1 \;, \; x = 3 \;, \; y = 9 \;, \; v = 7 \end{array}$$

		4x1
6x7	1x7	3x7

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

$$\mathbf{w}$$
 =4 , h =1 , x =6 , y =7 , v =4

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

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

2x5	8x6
2x4	8x4

		$\boxed{9\mathrm{x}1}$
1x5		$9\mathrm{x}5$
25	κ4	8x4

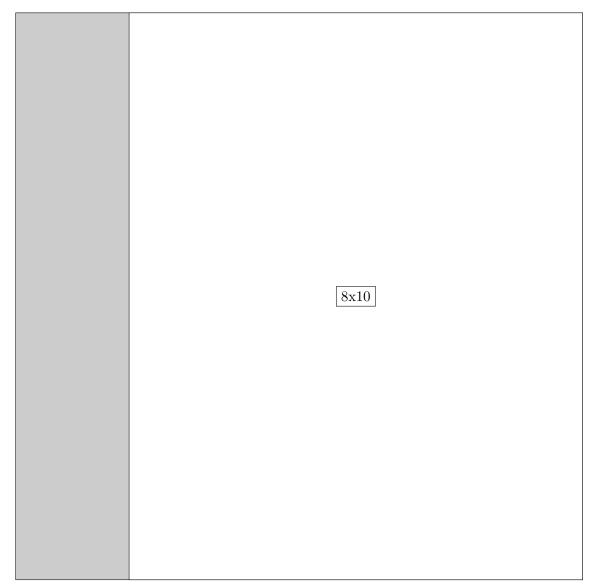
$$\begin{array}{l} w=8 \ , \ h=4 \ , \ x=2 \ , \ y=0 \ , \ v=32 \\ w=2 \ , \ h=4 \ , \ x=0 \ , \ y=0 \ , \ v=8 \\ w=9 \ , \ h=5 \ , \ x=1 \ , \ y=4 \ , \ v=45 \\ w=9 \ , \ h=1 \ , \ x=1 \ , \ y=9 \ , \ v=9 \\ w=1 \ , \ h=5 \ , \ x=0 \ , \ y=4 \ , \ v=5 \end{array}$$

	7x5
4x5	$6\mathrm{x}5$

$$w = 6$$
,  $h = 5$ ,  $x = 4$ ,  $y = 0$ ,  $v = 30$ 

$$\mathbf{w}$$
 =4 , h =5 , x =0 , y =0 , v =20

 $<sup>\</sup>mathbf{w}$  =7 , h =5 , x =3 , y =5 , v =35

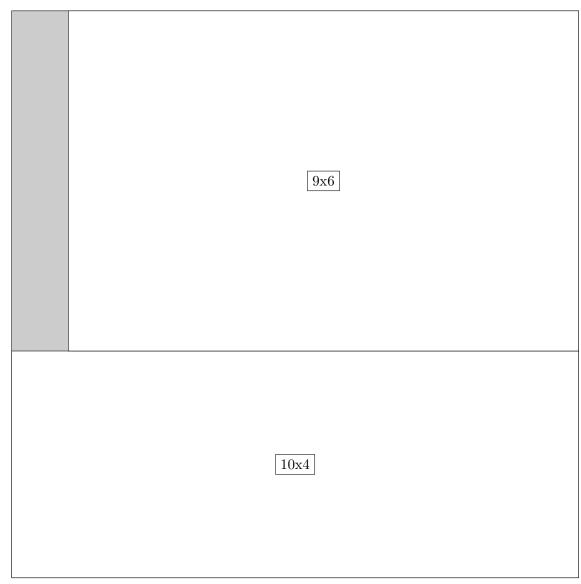


 $\mathbf{w}$  =8 , h =10 , x =2 , y =0 , v =80

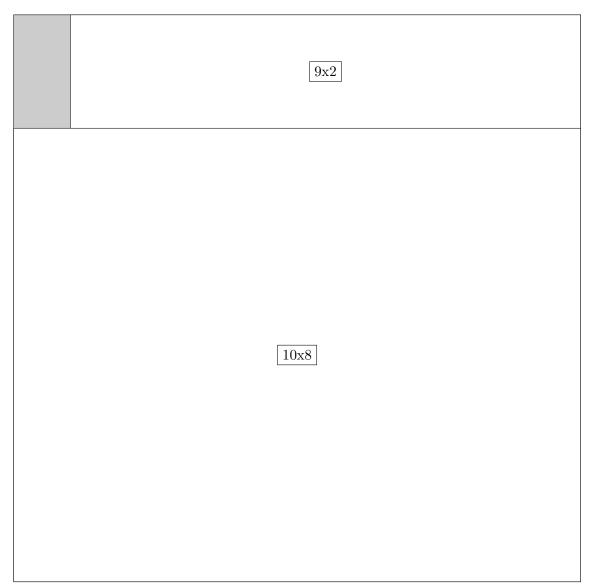
10x3		
1x7	4x7	5x7

 $\begin{array}{l} w = 5 \ , \ h = 7 \ , \ x = 5 \ , \ y = 0 \ , \ v = 35 \\ w = 4 \ , \ h = 7 \ , \ x = 1 \ , \ y = 0 \ , \ v = 28 \\ w = 1 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 7 \end{array}$ 

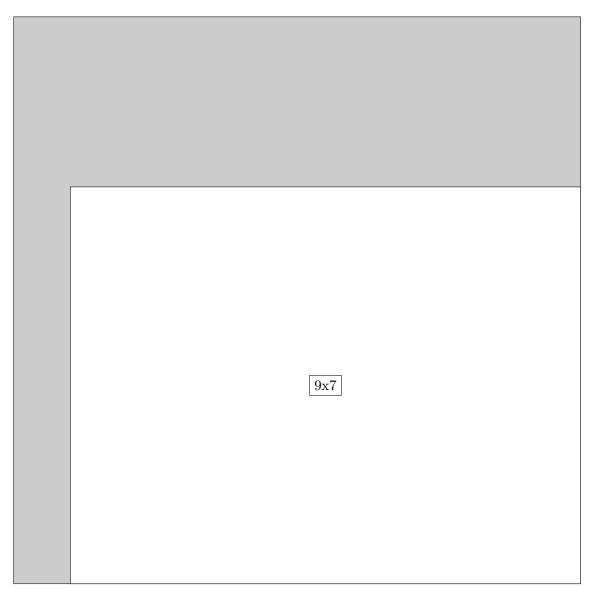
 $\mathbf{w}$  =10 , h =3 , x =0 , y =7 , v =30



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



w =10, h =8, x =0, y =0, v =80 w =9, h =2, x =1, y =8, v =18



 $\le =9$  , h =7 , x =1 , y =0 , v =63