$ClassName: \ Class_01.2bp-14$

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

TypeNum: <u>35</u> Num: <u>40</u> OutS: <u>1500</u> InS: <u>1376</u> Rate: <u>0.917</u> UB: <u>15</u> LB0: <u>15</u>

LB: **15**

LBWithCut: $\underline{\bf 15}$ NodeCut: $\underline{\bf 0}$

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

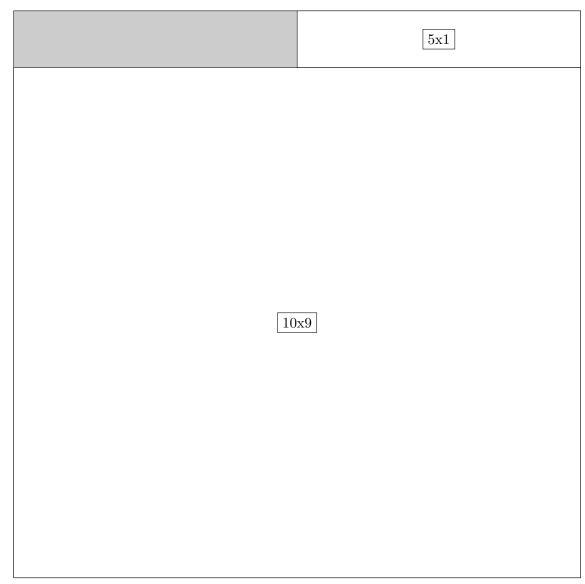
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{15}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: <u>true</u>

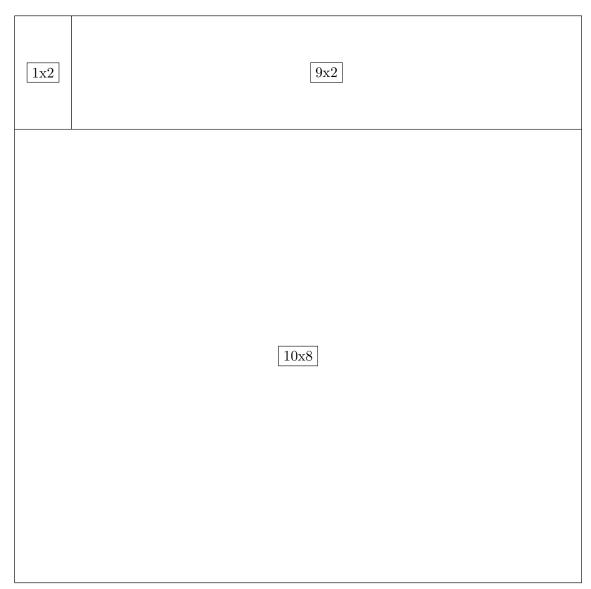
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.071 sTotalTime: 0.135 s



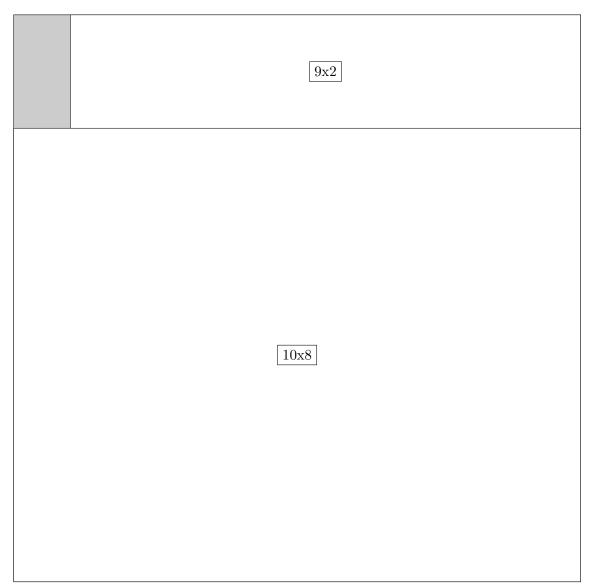
 \mathbf{w} =10 , h =10 , x =0 , y =0 , v =100







 $\begin{array}{l} w = & 10 \ , \ h = & 8 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 80 \\ w = & 9 \ , \ h = & 2 \ , \ x = & 1 \ , \ y = & 8 \ , \ v = & 18 \\ w = & 1 \ , \ h = & 2 \ , \ x = & 0 \ , \ y = & 8 \ , \ v = & 2 \end{array}$



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

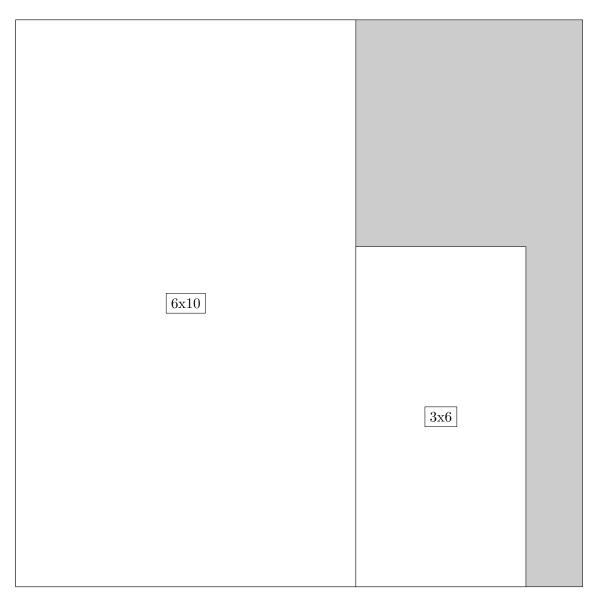


2x2	8x2			
	8x8		2x8	

$$\begin{array}{l} w = 8 \ , \, h = 8 \ , \, x = 0 \ , \, y = 0 \ , \, v = 64 \\ w = 8 \ , \, h = 2 \ , \, x = 2 \ , \, y = 8 \ , \, v = 16 \end{array}$$

$$w = 2$$
, $h = 8$, $x = 8$, $y = 0$, $v = 16$

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



w =6, h =10, x =0, y =0, v =60 w =3, h =6, x =6, y =0, v =18

10x3	
	2x3
8x7	2x4

$$\begin{array}{l} w = 8 \;,\; h = 7 \;,\; x = 0 \;,\; y = 0 \;,\; v = 56 \\ w = 10 \;,\; h = 3 \;,\; x = 0 \;,\; y = 7 \;,\; v = 30 \end{array}$$

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

$$\mathbf{w}$$
 =2 , h =3 , x =8 , y =4 , v =6

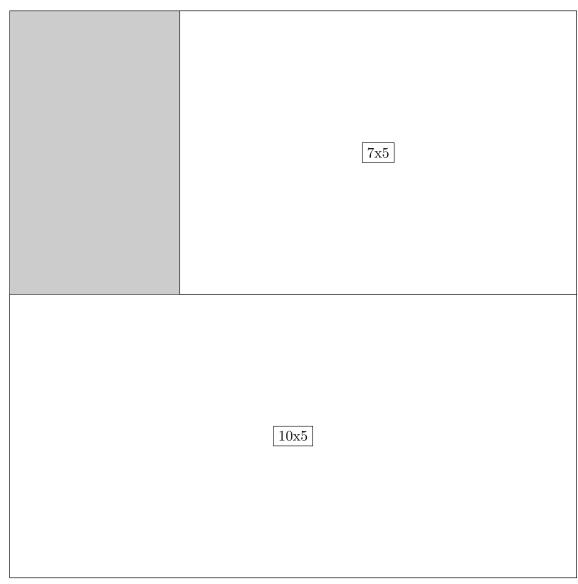
3x2	[6x2]	
6x8	4x8	

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

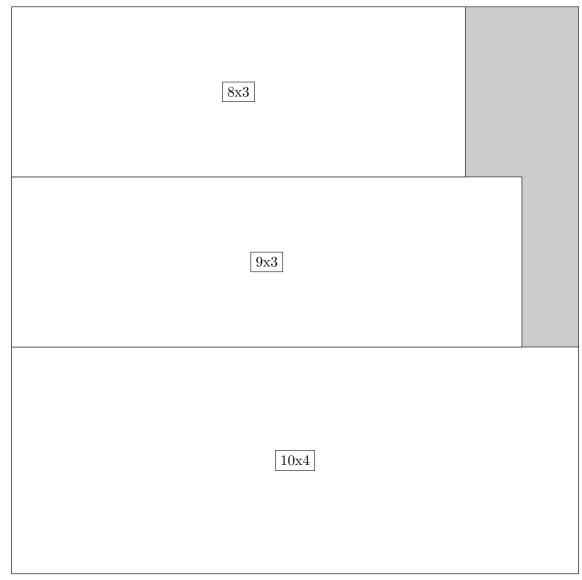
 $\le=4$, h =8 , x =6 , y =0 , v =32

 \mathbf{w} =6 , h =2 , x =4 , y =8 , v =12

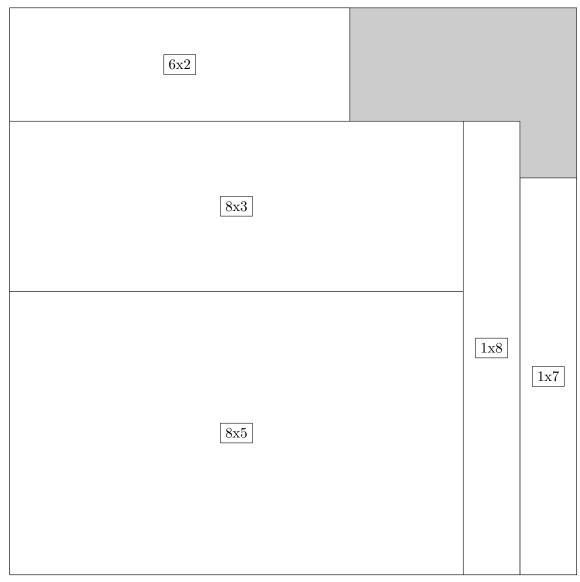
 \mathbf{w} =3 , h =2 , x =1 , y =8 , v =6



w =10 , h =5 , x =0 , y =0 , v =50 w =7 , h =5 , x =3 , y =5 , v =35



$$\begin{array}{l} w = & 10 \ , \ h = & 4 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 40 \\ w = & 9 \ , \ h = & 3 \ , \ x = & 0 \ , \ y = & 4 \ , \ v = & 27 \\ w = & 8 \ , \ h = & 3 \ , \ x = & 0 \ , \ y = & 7 \ , \ v = & 24 \end{array}$$



$$\mathbf{w}$$
 =8 , \mathbf{h} =5 , \mathbf{x} =0 , \mathbf{y} =0 , \mathbf{v} =40

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

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

$$\mathbf{w}$$
 =1 , h =8 , x =8 , y =0 , v =8

$$w=8$$
 , $h=3$, $x=0$, $y=5$, $v=24$

