$ClassName: \ Class_01.2bp-14$

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

TypeNum: $\underline{35}$ Num: $\underline{40}$ OutS: $\underline{1500}$ InS: $\underline{1376}$ Rate: $\underline{0.917}$ UB: $\underline{15}$ LB0: $\underline{15}$

LB: **15**

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

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

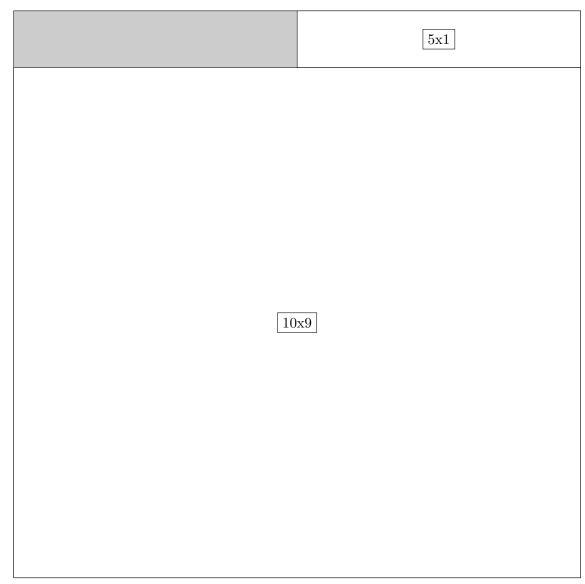
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{15}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: **true**

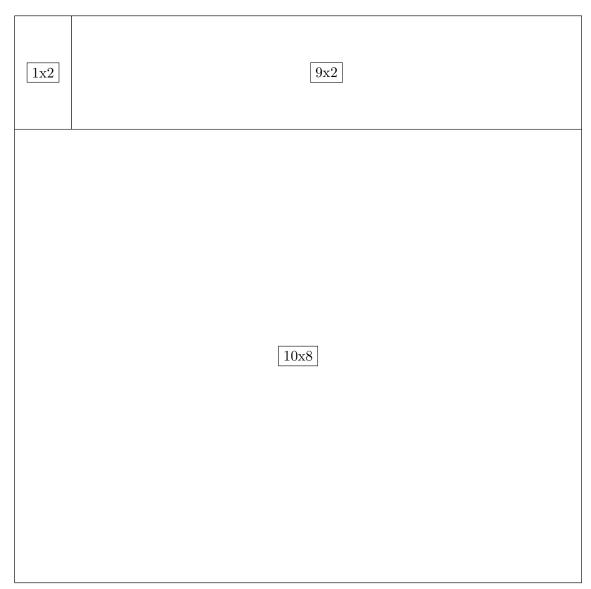
TimeOnInitSolution: $\underline{0.020 \text{ s}}$ TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{0.000 \text{ s}}$ TimeOnRmp: $\underline{0.078 \text{ s}}$ TotalTime: $\underline{0.176 \text{ s}}$



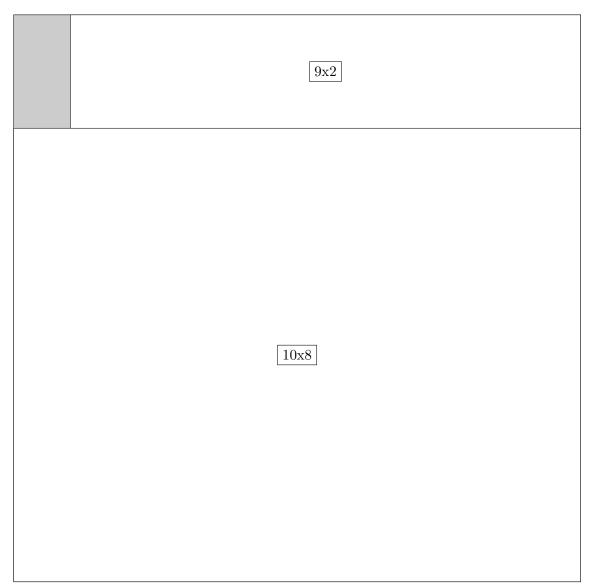
 \mathbf{w} =10 , h =10 , x =0 , y =0 , v =100







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



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

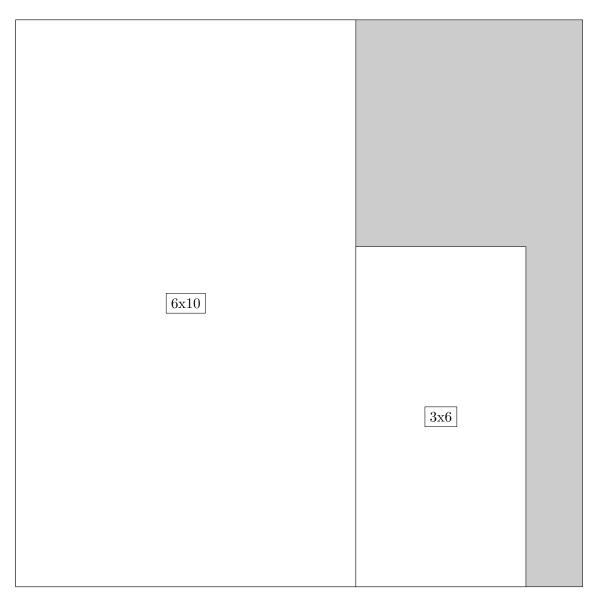


| 2x2 | 8x2 | | | |
|-----|-----|--|-----|--|
| | | | | |
| | | | | |
| | 8x8 | | 2x8 | |
| | | | | |

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

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

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



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

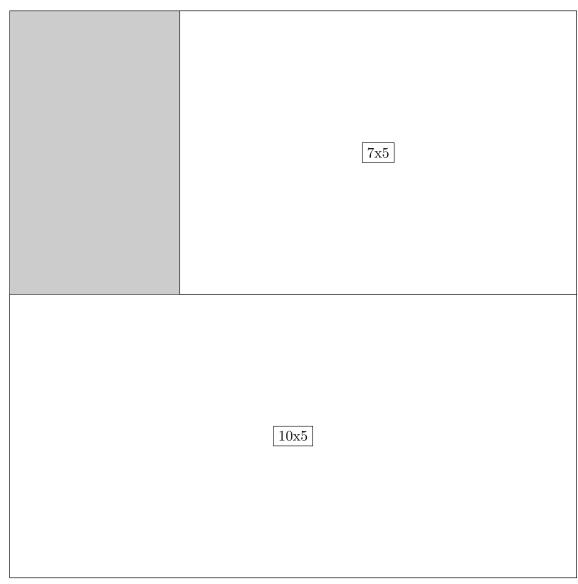
| 3x2 | [6x2] | |
|-----|-------|--|
| 6x8 | 4x8 | |

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

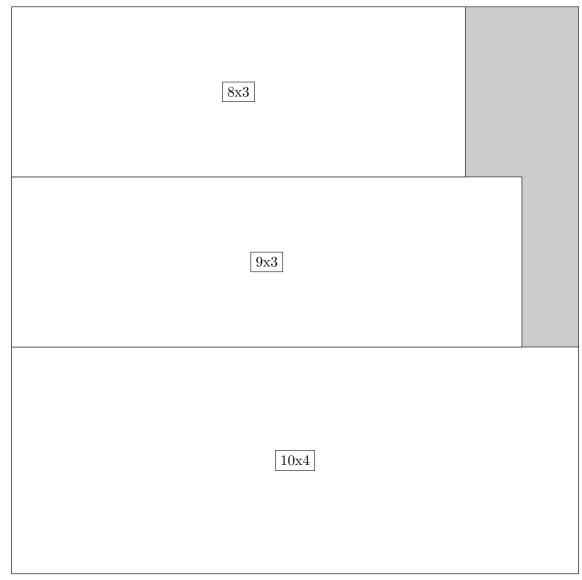
 $\le=4$, h =8 , x =6 , y =0 , v =32

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

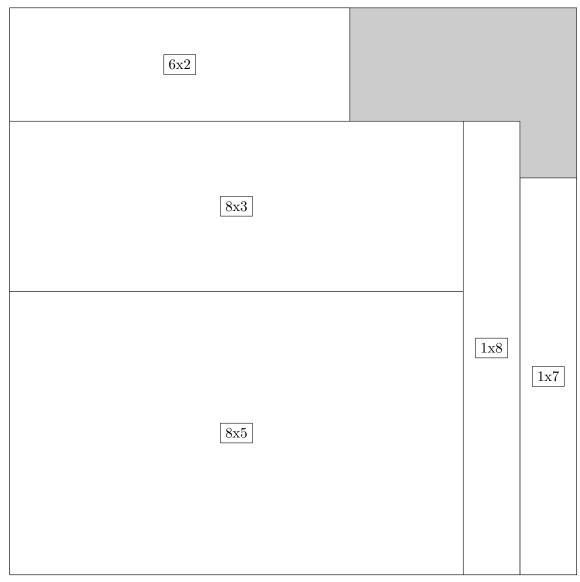
 \mathbf{w} =3 , h =2 , x =1 , y =8 , v =6



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

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

