ClassName: $Class_01.2bp-3$

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

TypeNum: <u>19</u> Num: <u>20</u> OutS: <u>600</u> InS: <u>470</u> Rate: <u>0.783</u>

UB: <u>6</u> LB0: <u>6</u> LB: **6**

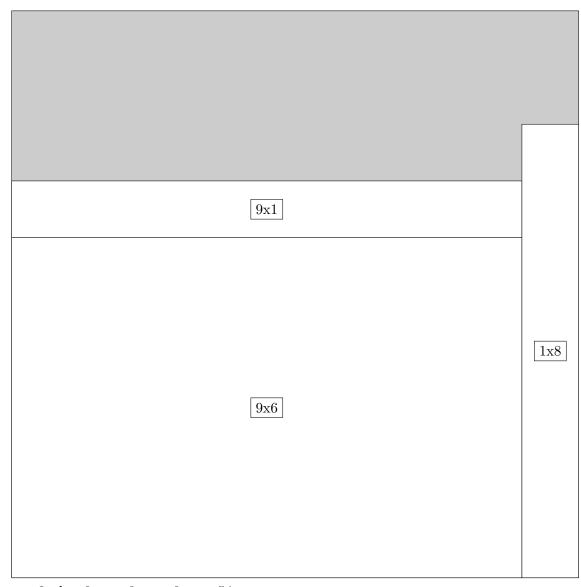
LBWithCut: $\underline{\mathbf{6}}$ NodeCut: $\underline{\mathbf{0}}$

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{6}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: **true**

TimeOnInitSolution: 0.000 sTimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.089 sTotalTime: 0.159 s



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

$$w = 1$$
, $h = 8$, $x = 9$, $y = 0$, $v = 8$

7x3	
	3x1 3x1
7x7	3x4
	OAT

$$w = 7$$
, $h = 7$, $x = 0$, $y = 0$, $v = 49$

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

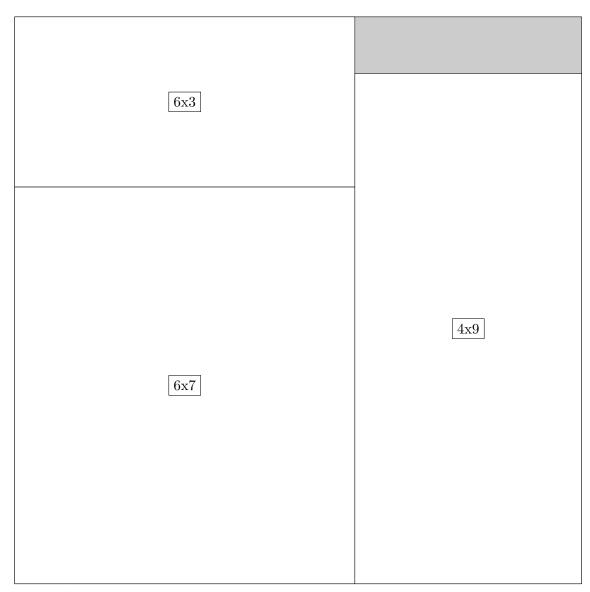
$$\le 3$$
 , h =4 , x =7 , y =0 , v =12

$$w = 3$$
, $h = 1$, $x = 7$, $y = 5$, $v = 3$

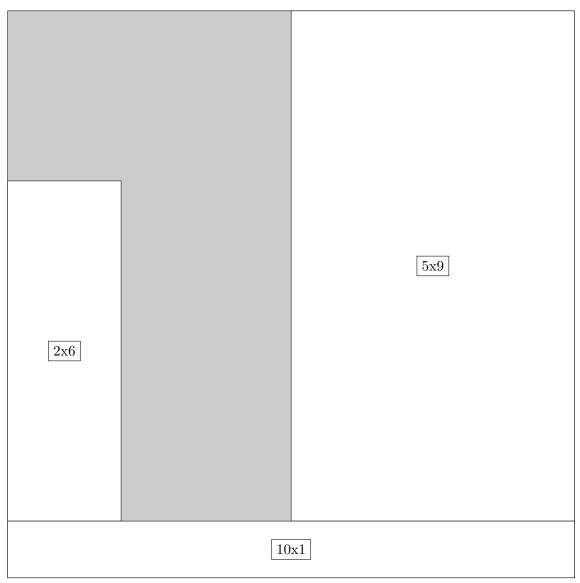
7x4	
7x6	3x8

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

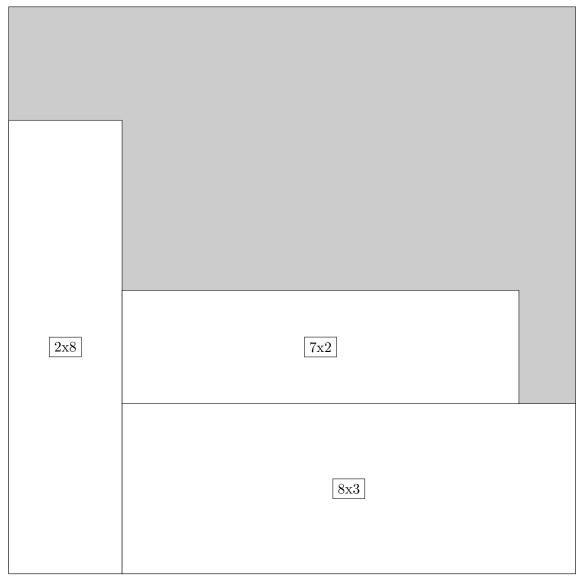
$$w = 7$$
, $h = 4$, $x = 0$, $y = 0$, $v = 28$
 $w = 3$, $h = 8$, $x = 7$, $y = 0$, $v = 24$



 $\begin{array}{l} w=6 \ , \ h=7 \ , \ x=0 \ , \ y=0 \ , \ v=42 \\ w=6 \ , \ h=3 \ , \ x=0 \ , \ y=7 \ , \ v=18 \\ w=4 \ , \ h=9 \ , \ x=6 \ , \ y=0 \ , \ v=36 \end{array}$



 $\begin{array}{l} w = 5 \ , \ h = 9 \ , \ x = 5 \ , \ y = 1 \ , \ v = 45 \\ w = 2 \ , \ h = 6 \ , \ x = 0 \ , \ y = 1 \ , \ v = 12 \\ w = 10 \ , \ h = 1 \ , \ x = 0 \ , \ y = 0 \ , \ v = 10 \end{array}$



$$\begin{array}{l} w=2\ ,\, h=8\ ,\, x=0\ ,\, y=0\ ,\, v=16\\ w=8\ ,\, h=3\ ,\, x=2\ ,\, y=0\ ,\, v=24\\ w=7\ ,\, h=2\ ,\, x=2\ ,\, y=3\ ,\, v=14 \end{array}$$