${\bf ClassName:}~{\bf Class_01.2bp\text{-}13}$

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

TypeNum: <u>36</u> Num: <u>40</u> OutS: <u>1400</u> InS: <u>1247</u> Rate: <u>0.891</u> UB: <u>14</u> LB0: <u>14</u> LB: <u>14</u>

LBWithCut: $\underline{14}$ NodeCut: $\underline{0}$

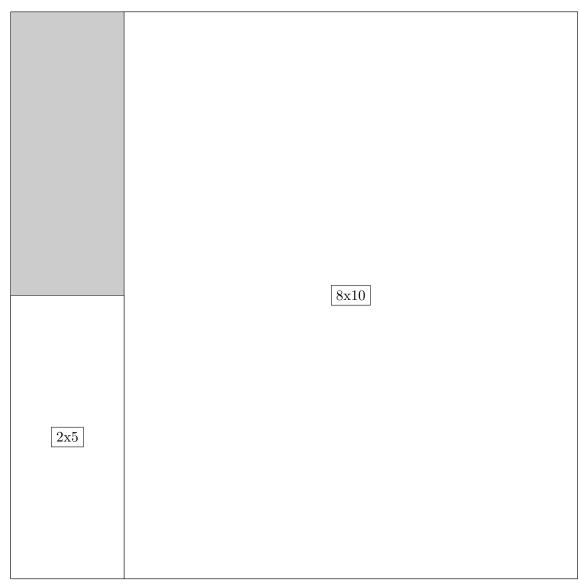
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{14}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

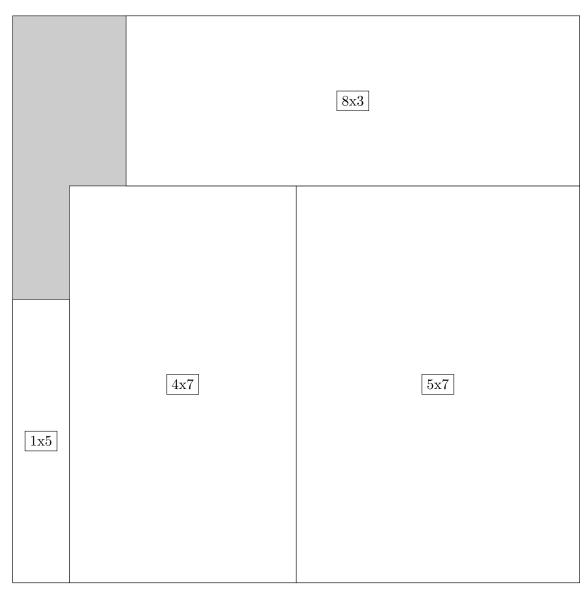
isOpt: $\underline{\mathbf{true}}$

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

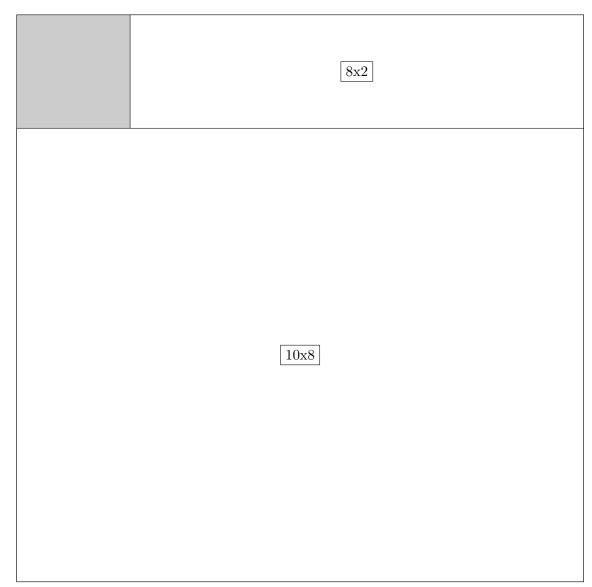
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 600.312 s

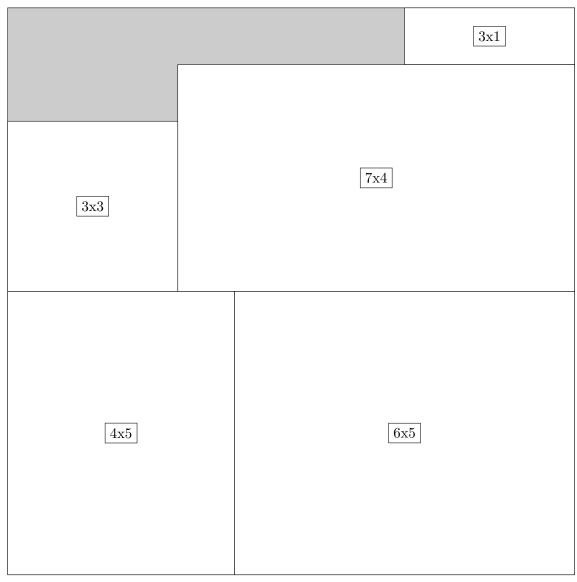


w =8, h =10, x =2, y =0, v =80 w =2, h =5, x =0, y =0, v =10



$$\begin{array}{l} w=5 \ , \ h=7 \ , \ x=5 \ , \ y=0 \ , \ v=35 \\ w=4 \ , \ h=7 \ , \ x=1 \ , \ y=0 \ , \ v=28 \\ w=1 \ , \ h=5 \ , \ x=0 \ , \ y=0 \ , \ v=5 \\ w=8 \ , \ h=3 \ , \ x=2 \ , \ y=7 \ , \ v=24 \end{array}$$





$$\mathbf{w=}6\ ,\,\mathbf{h=}5\ ,\,\mathbf{x=}4\ ,\,\mathbf{y=}0\ ,\,\mathbf{v=}30$$

$$\le=4$$
 , h =5 , x =0 , y =0 , v =
20

$$\le =7$$
 , h =4 , x =3 , y =5 , v =28

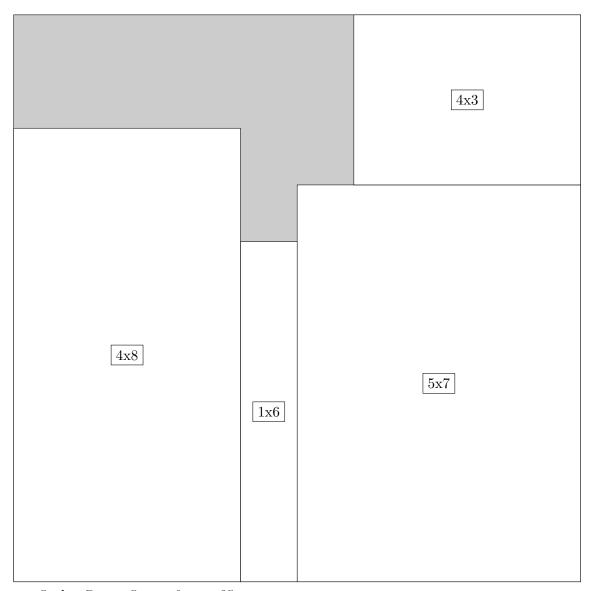
$$w = 3$$
, $h = 3$, $x = 0$, $y = 5$, $v = 9$

4x4	1x4	$5\mathrm{x}4$
4x6		6x6

 $\begin{array}{l} w=6\ ,\, h=6\ ,\, x=4\ ,\, y=0\ ,\, v=36\\ w=5\ ,\, h=4\ ,\, x=5\ ,\, y=6\ ,\, v=20\\ w=1\ ,\, h=4\ ,\, x=4\ ,\, y=6\ ,\, v=4\\ w=4\ ,\, h=6\ ,\, x=0\ ,\, y=0\ ,\, v=24\\ w=4\ ,\, h=4\ ,\, x=0\ ,\, y=6\ ,\, v=16 \end{array}$



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

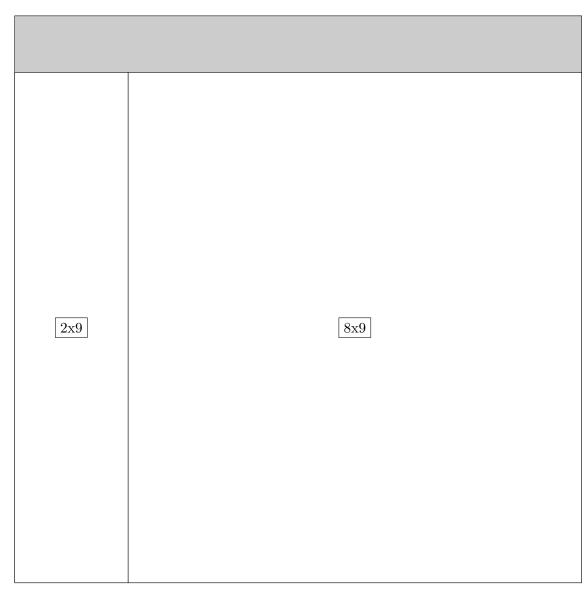


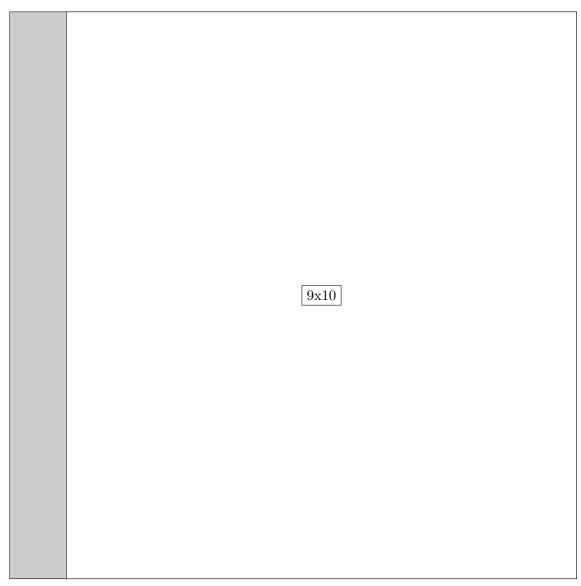
w =5 , h =7 , x =5 , y =0 , v =35

 \mathbf{w} =1 , h =6 , x =4 , y =0 , v =6

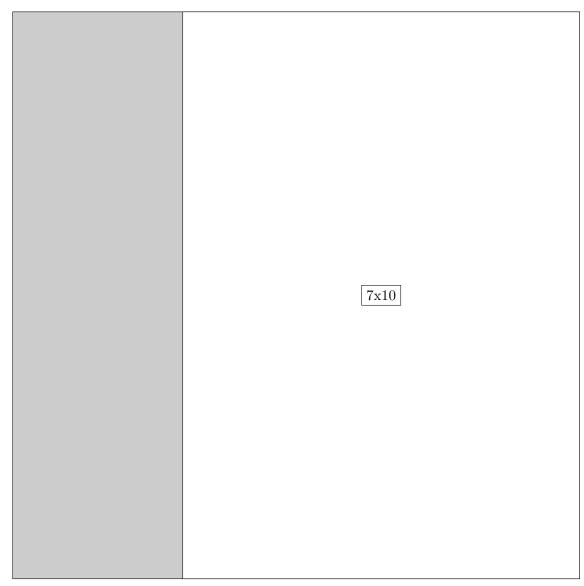
 \mathbf{w} =4 , h =3 , x =6 , y =7 , v =12

 \mathbf{w} =4 , h =8 , x =0 , y =0 , v =32

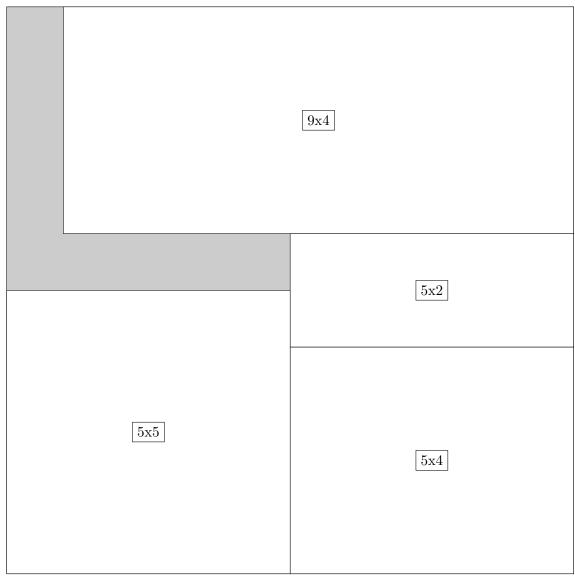




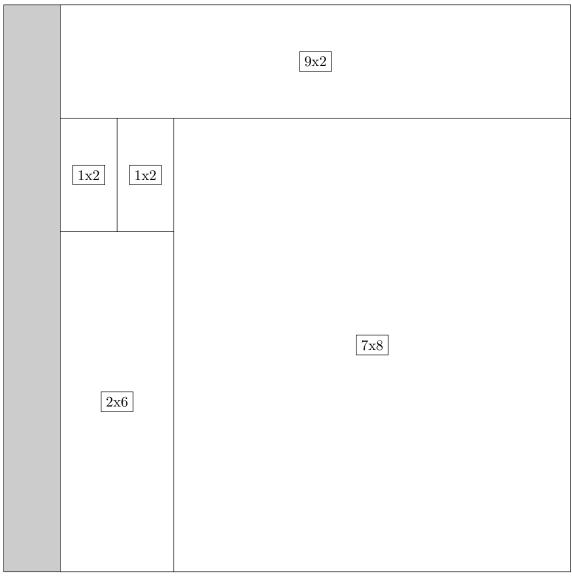
 $\le =9$, h =10 , x =1 , y =0 , v =90



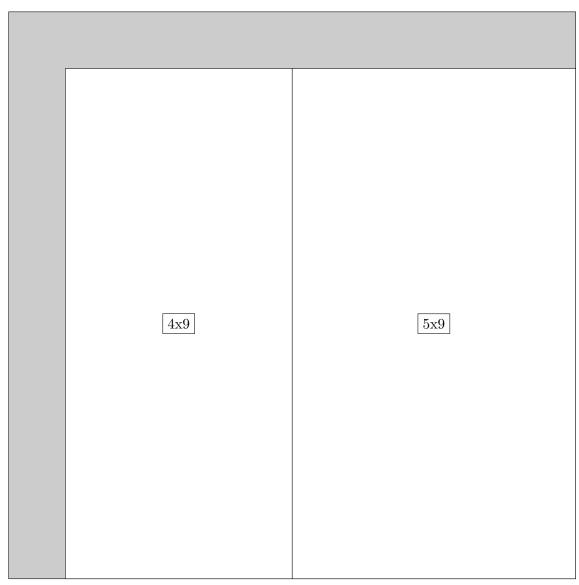
 $\le =7$, h =10 , x =3 , y =0 , v =70



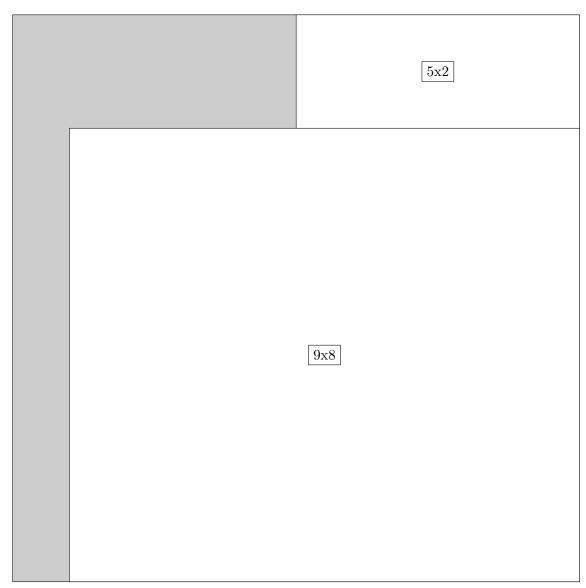
$$\begin{array}{l} w = 5 \ , \, h = 4 \ , \, x = 5 \ , \, y = 0 \ , \, v = 20 \\ w = 5 \ , \, h = 2 \ , \, x = 5 \ , \, y = 4 \ , \, v = 10 \\ w = 5 \ , \, h = 5 \ , \, x = 0 \ , \, y = 0 \ , \, v = 25 \\ w = 9 \ , \, h = 4 \ , \, x = 1 \ , \, y = 6 \ , \, v = 36 \end{array}$$



$$\begin{array}{l} w=7\ ,\, h=8\ ,\, x=3\ ,\, y=0\ ,\, v=56\\ w=2\ ,\, h=6\ ,\, x=1\ ,\, y=0\ ,\, v=12\\ w=1\ ,\, h=2\ ,\, x=2\ ,\, y=6\ ,\, v=2\\ w=1\ ,\, h=2\ ,\, x=1\ ,\, y=6\ ,\, v=2\\ w=9\ ,\, h=2\ ,\, x=1\ ,\, y=8\ ,\, v=18\\ \end{array}$$



 $\begin{array}{c} w = 5 \ , \ h = 9 \ , \ x = 5 \ , \ y = 0 \ , \ v = 45 \\ w = 4 \ , \ h = 9 \ , \ x = 1 \ , \ y = 0 \ , \ v = 36 \end{array}$



$$\begin{array}{c} w = 9 \ , \ h = 8 \ , \ x = 1 \ , \ y = 0 \ , \ v = 72 \\ w = 5 \ , \ h = 2 \ , \ x = 5 \ , \ y = 8 \ , \ v = 10 \end{array}$$