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

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

TypeNum: <u>20</u> Num: <u>20</u> OutS: <u>900</u> InS: <u>650</u> Rate: <u>0.722</u>

UB: <u>9</u> LB0: <u>8</u> LB: 8

LBWithCut:  $\underline{\mathbf{8}}$  NodeCut:  $\underline{\mathbf{0}}$ 

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

GenNodeCnt:  $\underline{3}$ PrimalNode:  $\underline{21}$ ColumnCount:  $\underline{33}$ TotalCutCount:  $\underline{0}$ RootCutCount:  $\underline{0}$ LPSolverCnt:  $\underline{66}$ PricingSolverCnt:  $\underline{65}$ BranchAndBoundNum:  $\underline{3}$ 

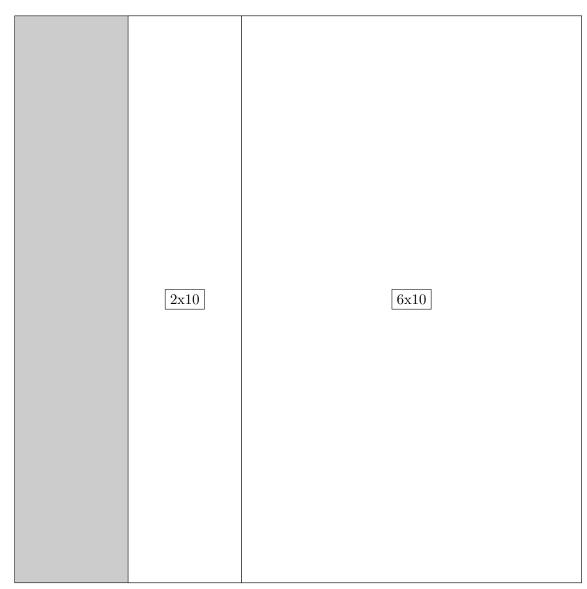
isOpt:  $\underline{\mathbf{true}}$ 

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

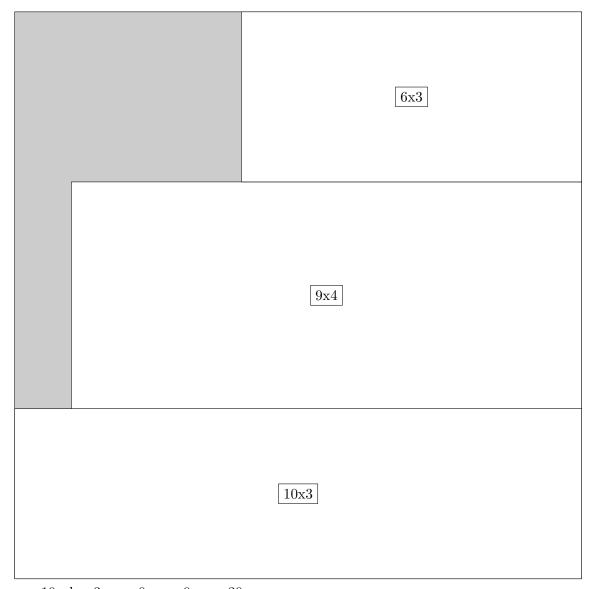
TimeOnPrimal: 0.125 sTimeOnPricing: 0.140 sTimeOnRmp: 0.093 sTotalTime: 600.578 s



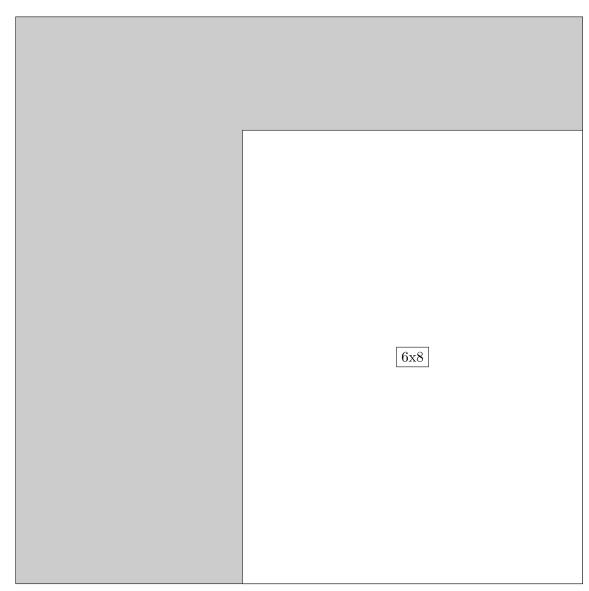
w = 10, h = 9, x = 0, y = 0, v = 90



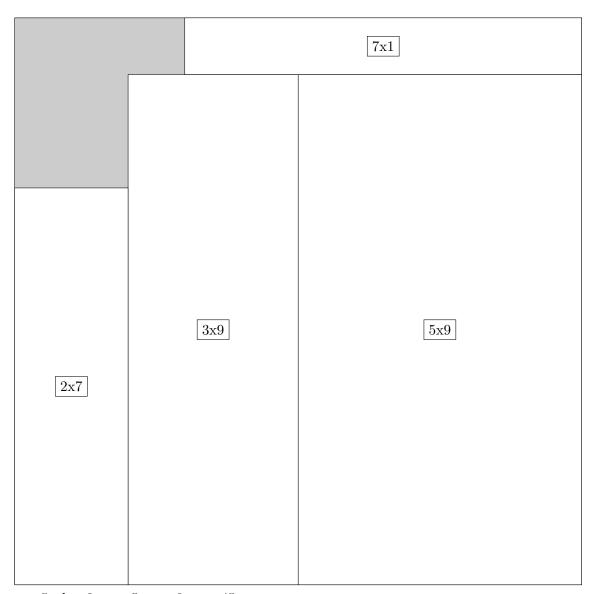
 $\begin{array}{c} w = 6 \ , \ h = 10 \ , \ x = 4 \ , \ y = 0 \ , \ v = 60 \\ w = 2 \ , \ h = 10 \ , \ x = 2 \ , \ y = 0 \ , \ v = 20 \end{array}$ 



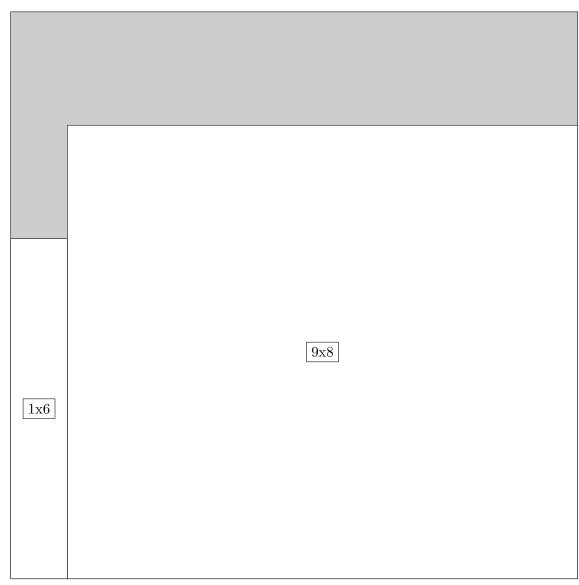
 $\begin{array}{l} w = & 10 \ , \ h = & 3 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 30 \\ w = & 9 \ , \ h = & 4 \ , \ x = & 1 \ , \ y = & 3 \ , \ v = & 36 \\ w = & 6 \ , \ h = & 3 \ , \ x = & 4 \ , \ y = & 7 \ , \ v = & 18 \end{array}$ 

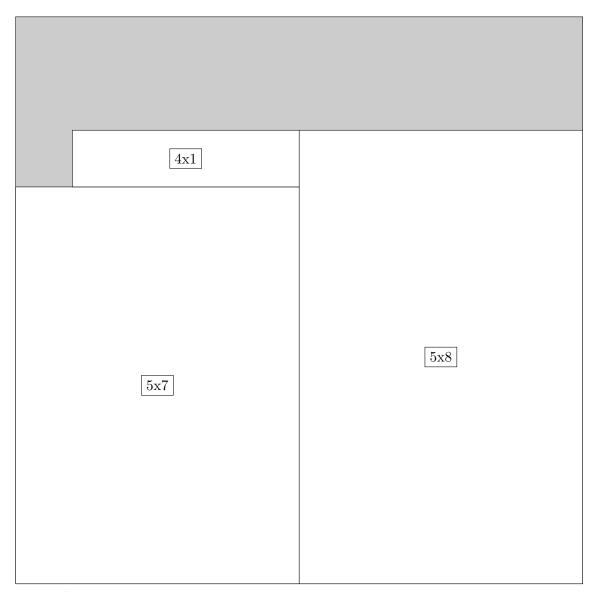


 $\mathbf{w}$  =6 , h =8 , x =4 , y =0 , v =48

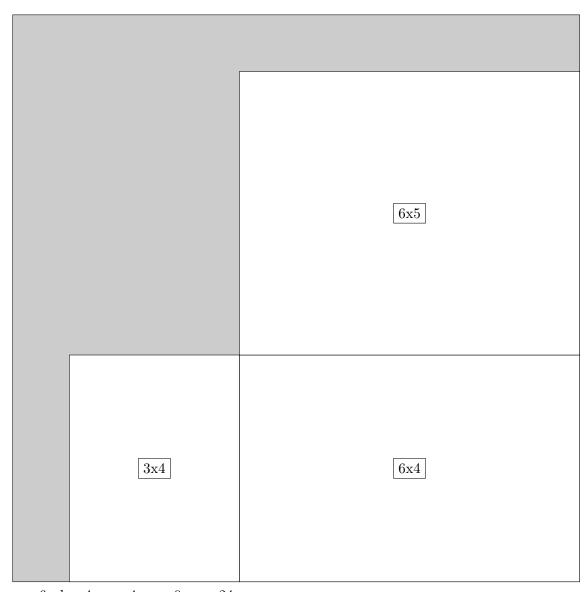


 $\begin{array}{l} w=5 \ , \ h=9 \ , \ x=5 \ , \ y=0 \ , \ v=45 \\ w=3 \ , \ h=9 \ , \ x=2 \ , \ y=0 \ , \ v=27 \\ w=2 \ , \ h=7 \ , \ x=0 \ , \ y=0 \ , \ v=14 \\ w=7 \ , \ h=1 \ , \ x=3 \ , \ y=9 \ , \ v=7 \end{array}$ 



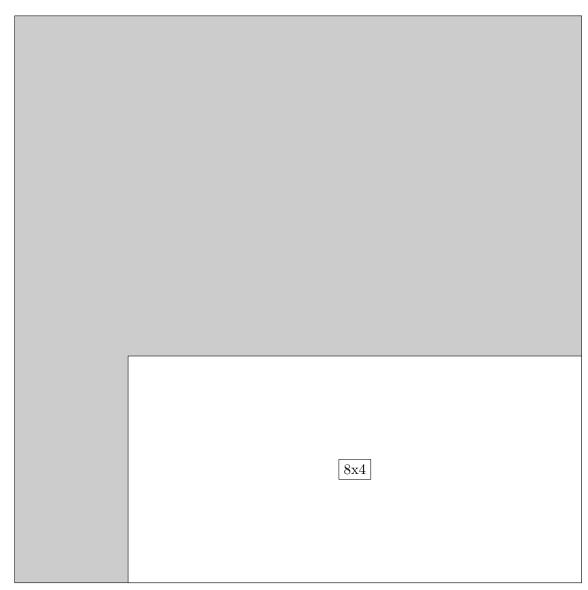


 $\begin{array}{l} w = 5 \ , \ h = 8 \ , \ x = 5 \ , \ y = 0 \ , \ v = 40 \\ w = 5 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 35 \\ w = 4 \ , \ h = 1 \ , \ x = 1 \ , \ y = 7 \ , \ v = 4 \end{array}$ 



 $\begin{array}{l} w = 6 \ , \ h = \! 4 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 24 \\ w = \! 3 \ , \ h = \! 4 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 12 \end{array}$ 

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



 $\mathbf{w}$  =8 , h =4 , x =2 , y =0 , v =32