$ClassName: \ Class_05.2bp-12$

BinSize: $\underline{100 \times 100}$ ReduceSize: $\underline{100 \times 100}$

TypeNum: <u>40</u> Num: <u>40</u> OutS: <u>150000</u> InS: <u>115372</u> Rate: <u>0.769</u> UB: <u>15</u> LB0: <u>15</u>

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

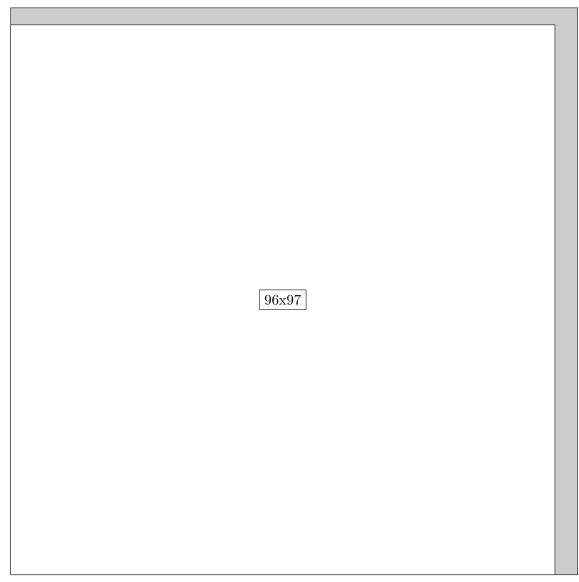
LB: **15**

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

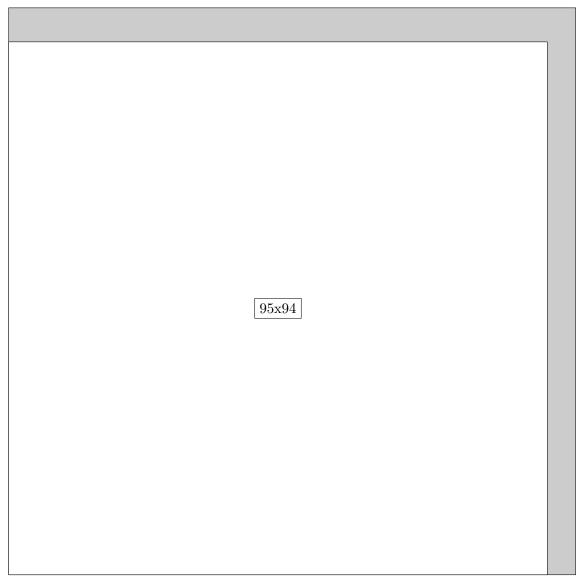
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{15}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: **true**

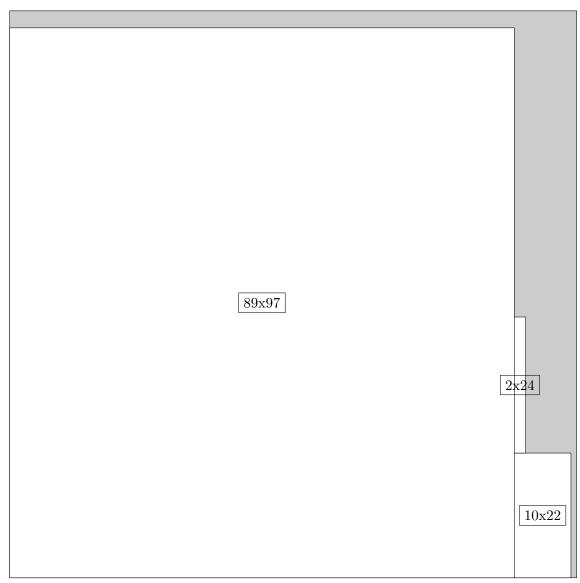
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.030 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.170 \ s} \end{array}$



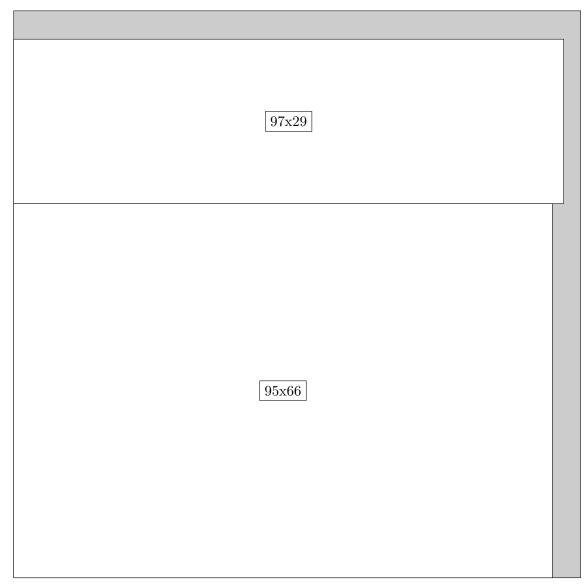
w = 96, h = 97, x = 0, y = 0, v = 9312

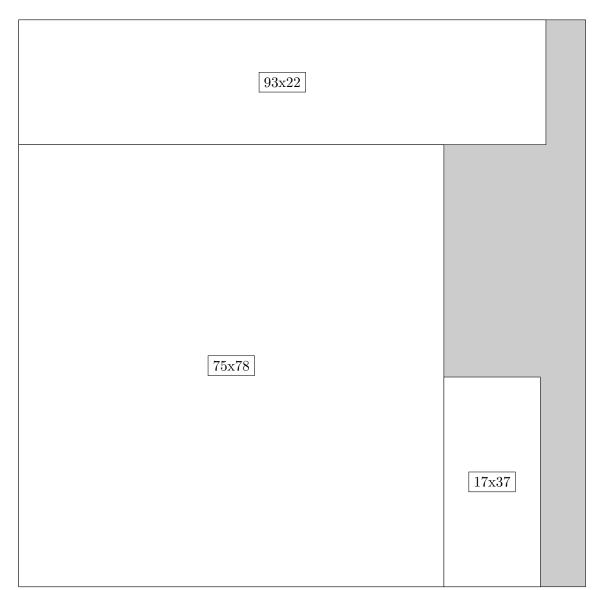


w = 95, h = 94, x = 0, y = 0, v = 8930



$$\begin{array}{l} w = \! 89 \; , \; h = \! 97 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8633 \\ w = \! 10 \; , \; h = \! 22 \; , \; x = \! 89 \; , \; y = \! 0 \; , \; v = \! 220 \\ w = \! 2 \; , \; h = \! 24 \; , \; x = \! 89 \; , \; y = \! 22 \; , \; v = \! 48 \end{array}$$

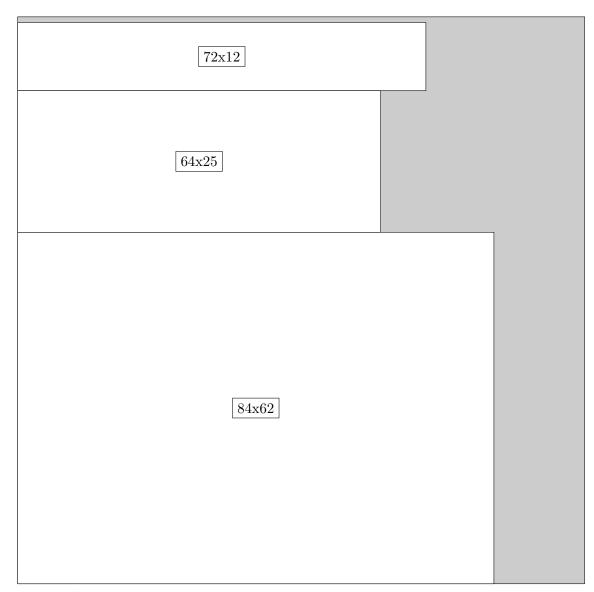




$$\le -75$$
 , h =78 , x =0 , y =0 , v =5850

$$\le =93$$
 , h =22 , x =0 , y =78 , v =2046

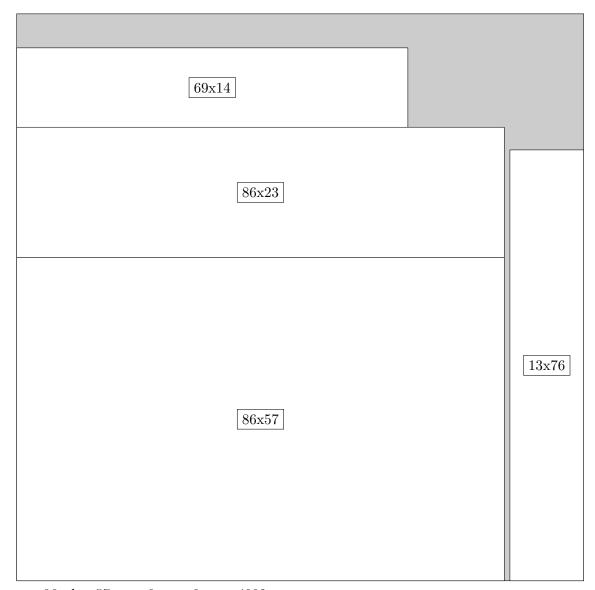
$$\le =17$$
 , h =37 , x =75 , y =0 , v =629



$$\begin{array}{l} w = \! 84 \ , \ h = \! 62 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5208 \\ w = \! 64 \ , \ h = \! 25 \ , \ x = \! 0 \ , \ y = \! 62 \ , \ v = \! 1600 \\ w = \! 72 \ , \ h = \! 12 \ , \ x = \! 0 \ , \ y = \! 87 \ , \ v = \! 864 \end{array}$$



$$\begin{array}{l} w = \! 82 \ , \ h = \! 63 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5166 \\ w = \! 49 \ , \ h = \! 31 \ , \ x = \! 0 \ , \ y = \! 63 \ , \ v = \! 1519 \end{array}$$

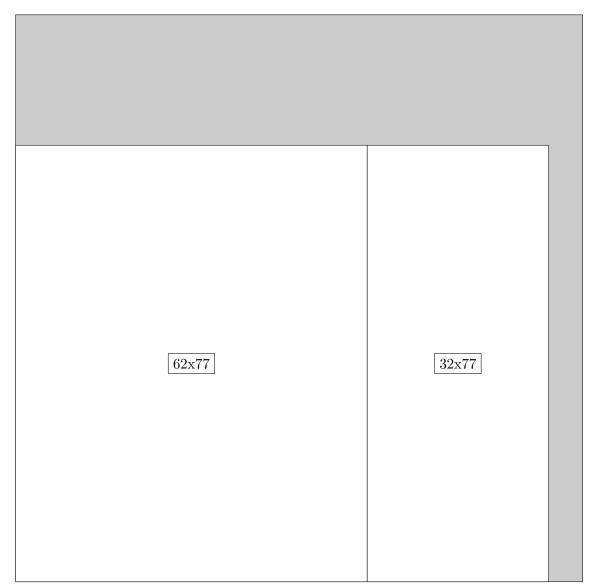


$$\le =86$$
 , h =57 , x =0 , y =0 , v =4902

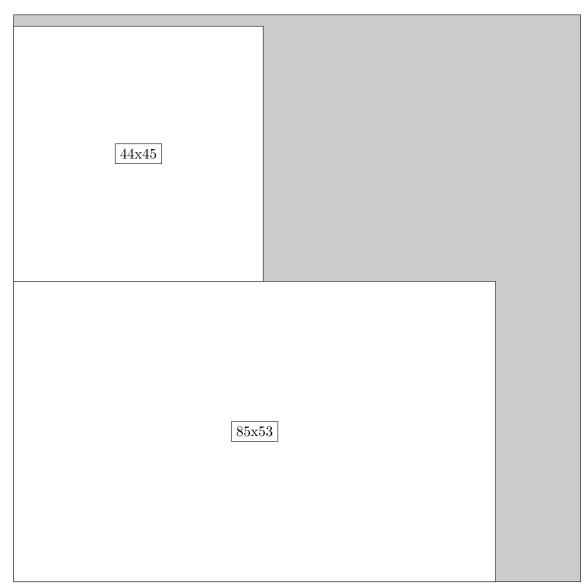
$$\le =86$$
 , h =23 , x =0 , y =57 , v =1978

$$\le =13$$
 , h =
76 , x =
87 , y =
0 , v =
988

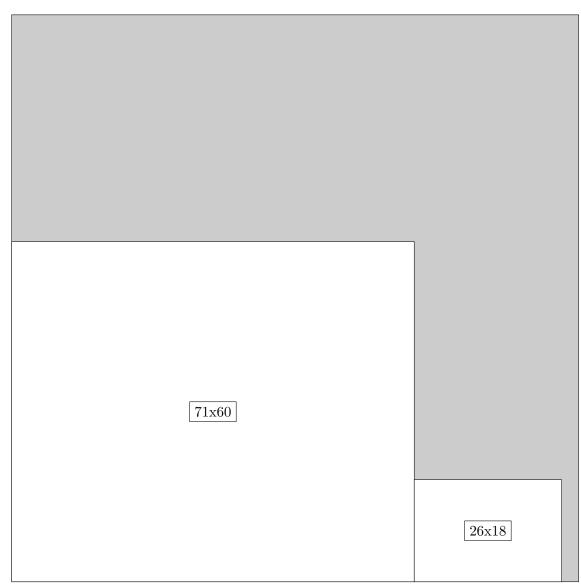
$$\mathbf{w}$$
 =69 , h =14 , x =0 , y =80 , v =966

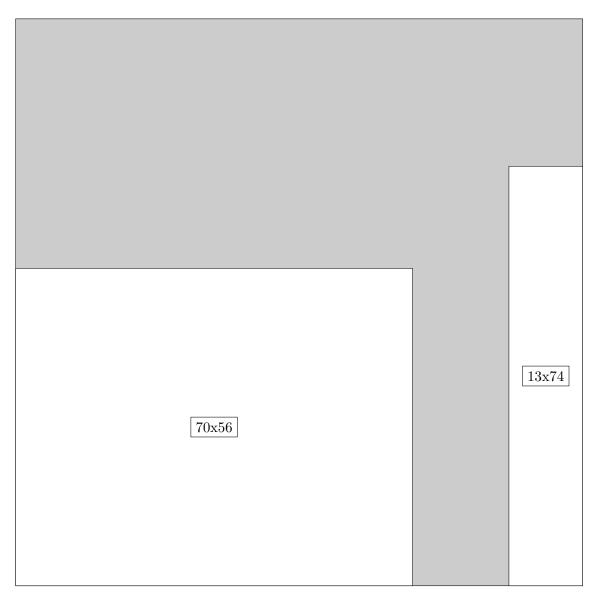


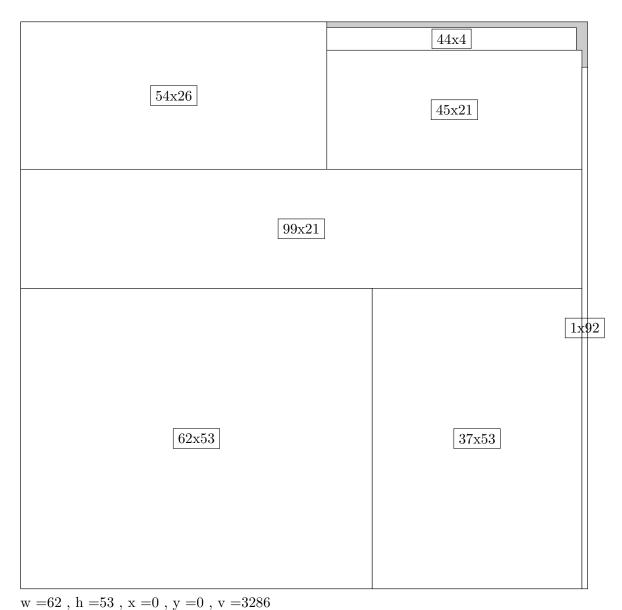
$$\begin{array}{c} w = 62 \; , \; h = 77 \; , \; x = 0 \; , \; y = 0 \; , \; v = 4774 \\ w = 32 \; , \; h = 77 \; , \; x = 62 \; , \; y = 0 \; , \; v = 2464 \end{array}$$



$$\begin{array}{l} w = \!\! 44 \ , \ h = \!\! 45 \ , \ x = \!\! 0 \ , \ y = \!\! 53 \ , \ v = \!\! 1980 \\ w = \!\! 85 \ , \ h = \!\! 53 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4505 \end{array}$$

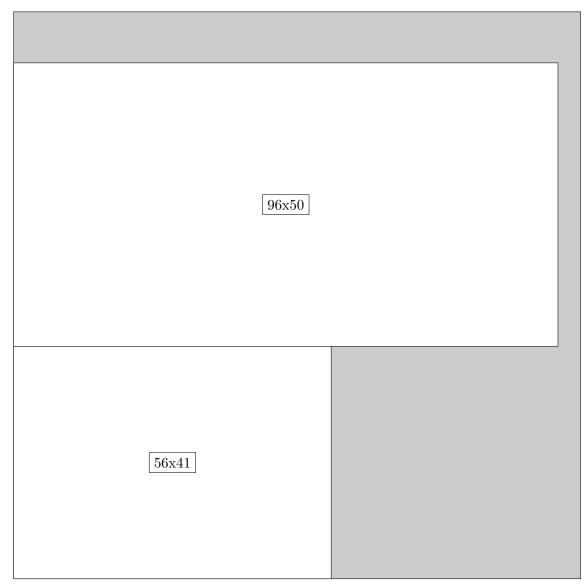




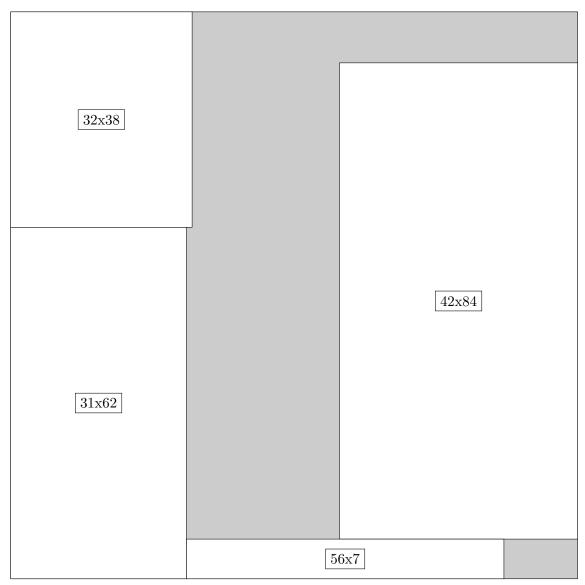


$$\le =44$$
 , h =4 , x =54 , y =95 , v =176

$$w = 1$$
, $h = 92$, $x = 99$, $y = 0$, $v = 92$



$$\begin{array}{l} w = \! 96 \ , \, h = \! 50 \ , \, x = \! 0 \ , \, y = \! 41 \ , \, v = \! 4800 \\ w = \! 56 \ , \, h = \! 41 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 2296 \end{array}$$



$$\le =31$$
 , h =62 , x =0 , y =0 , v =1922

$$\le =42$$
 , $h=84$, $x=58$, $y=7$, $v=3528$

$$\le =32$$
 , h =38 , x =0 , y =62 , v =1216

$$\mathbf{w}$$
 =56 , h =7 , x =31 , y =0 , v =392