$ClassName: \ Class\_05.2bp-12$ 

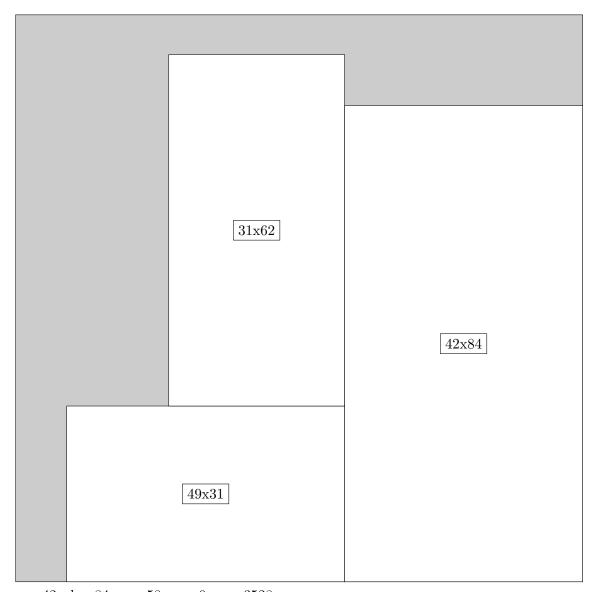
BinSize:  $\underline{100 \times 100}$ ReduceSize:  $\underline{100 \times 100}$ 

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> LB: <u>15</u>

LBWithCut:  $\underline{\mathbf{15}}$ NodeCount:  $\underline{\mathbf{0}}$ 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** 

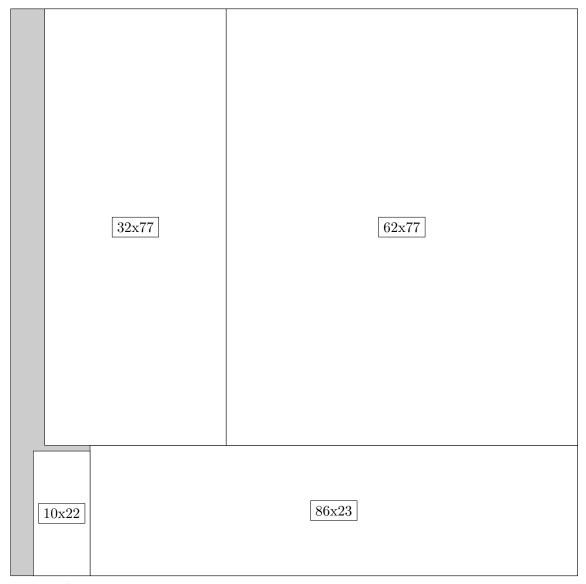
 $\begin{array}{ll} \text{TimeOnPrimal: } \underline{0.000 \text{ s}} \\ \text{TimeOnPricing: } \underline{0.000 \text{ s}} \\ \text{TimeOnRmp: } \underline{0.047 \text{ s}} \\ \text{TotalTime: } \underline{0.187 \text{ s}} \end{array}$ 



$$\le =42$$
 ,  $h=84$  ,  $x=58$  ,  $y=0$  ,  $v=3528$ 

$$\mathbf{w}$$
 =49 , h =31 , x =9 , y =0 , v =1519

$$\le =31$$
 , h =62 , x =27 , y =31 , v =1922



$$\le =86$$
 , h =23 , x =14 , y =0 , v =1978

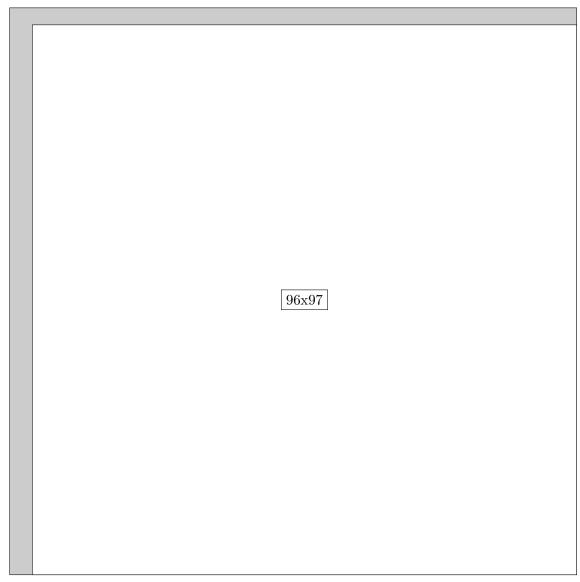
$$\le =10$$
 ,  $h=22$  ,  $x=4$  ,  $y=0$  ,  $v=220$ 

$$\le =62$$
 ,  $h=77$  ,  $x=38$  ,  $y=23$  ,  $v=4774$ 

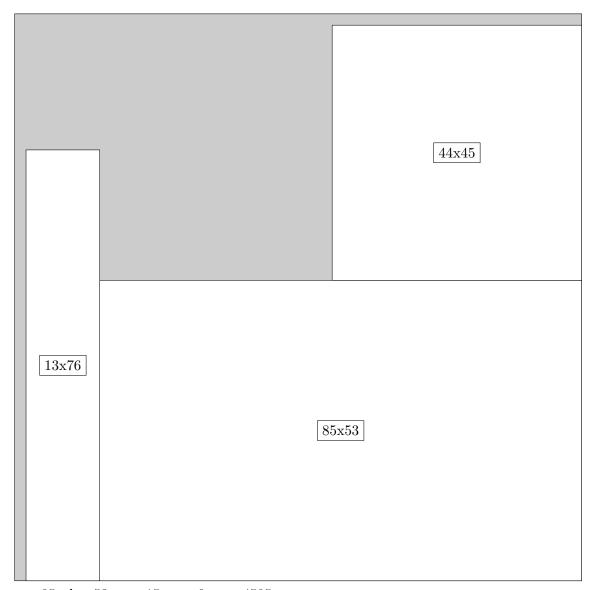
$$\le =32$$
 , h =77 , x =6 , y =23 , v =2464



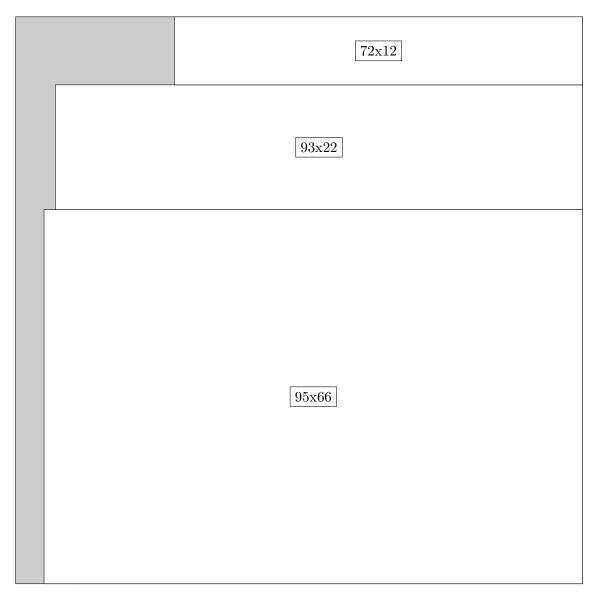
$$\begin{array}{l} w = \! 70 \ , \, h = \! 56 \ , \, x = \! 30 \ , \, y = \! 0 \ , \, v = \! 3920 \\ w = \! 54 \ , \, h = \! 26 \ , \, x = \! 46 \ , \, y = \! 56 \ , \, v = \! 1404 \end{array}$$



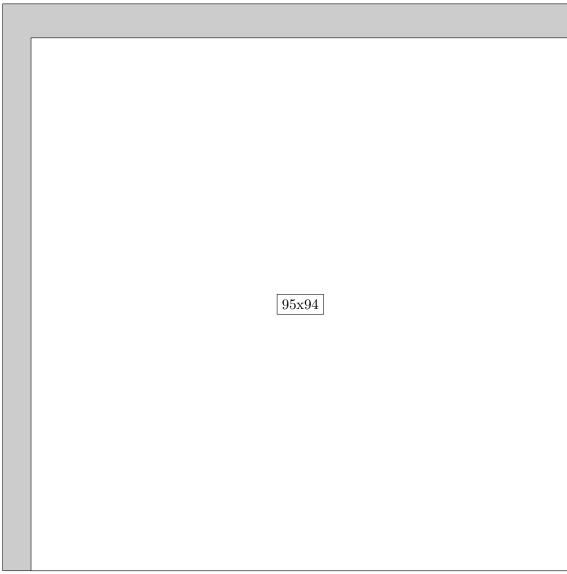
 $\le =96$  , h =97 , x =4 , y =0 , v =9312



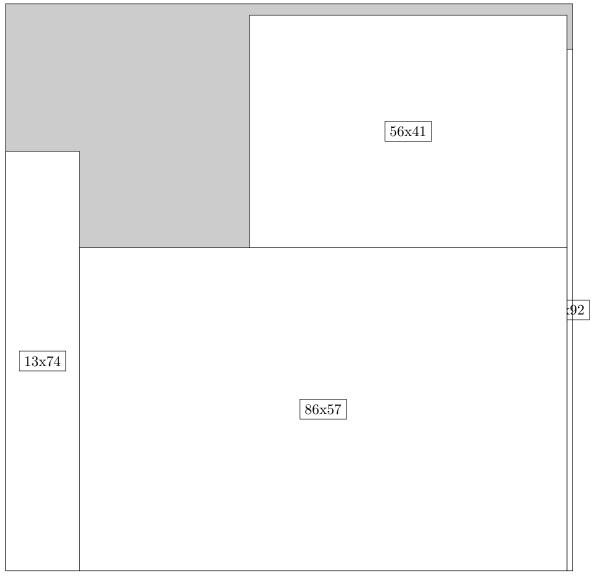
$$\begin{array}{l} w = \! 85 \ , \ h = \! 53 \ , \ x = \! 15 \ , \ y = \! 0 \ , \ v = \! 4505 \\ w = \! 44 \ , \ h = \! 45 \ , \ x = \! 56 \ , \ y = \! 53 \ , \ v = \! 1980 \\ w = \! 13 \ , \ h = \! 76 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 988 \end{array}$$



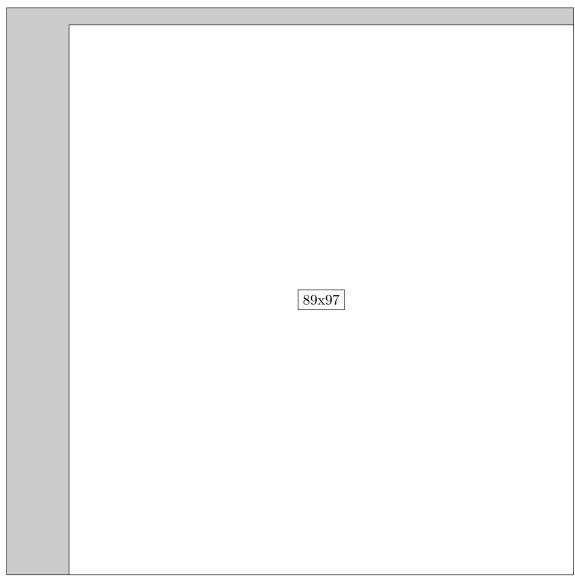
$$\begin{array}{l} w = \! 95 \ , \ h = \! 66 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 6270 \\ w = \! 93 \ , \ h = \! 22 \ , \ x = \! 7 \ , \ y = \! 66 \ , \ v = \! 2046 \\ w = \! 72 \ , \ h = \! 12 \ , \ x = \! 28 \ , \ y = \! 88 \ , \ v = \! 864 \end{array}$$



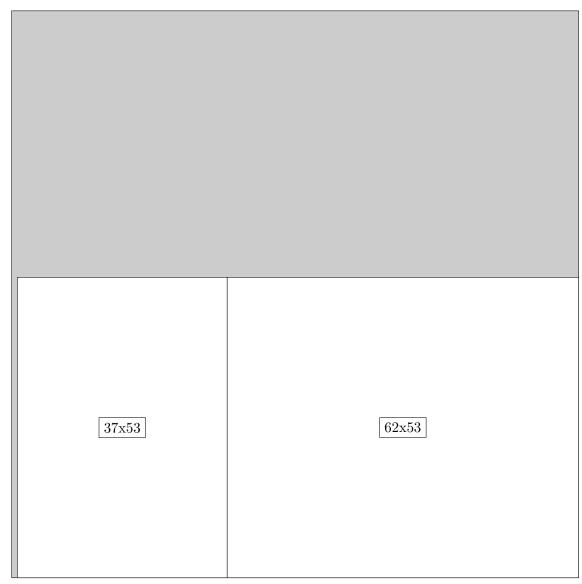
w =95 , h =94 , x =5 , y =0 , v =8930



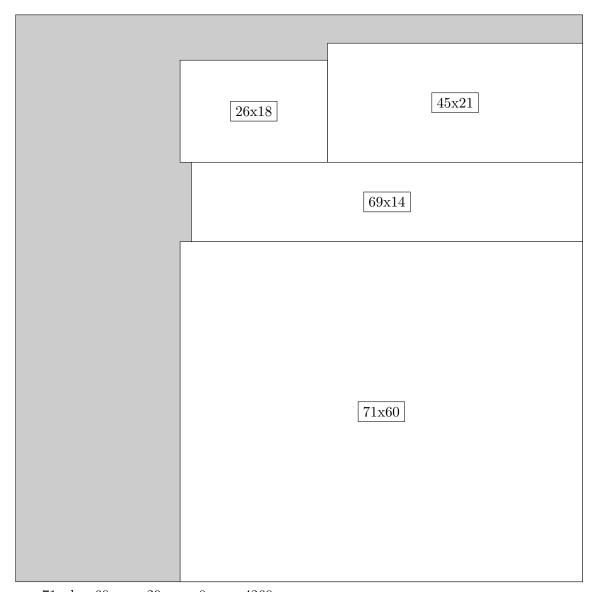
$$\begin{array}{l} w=1\ ,\ h=92\ ,\ x=99\ ,\ y=0\ ,\ v=92\\ w=86\ ,\ h=57\ ,\ x=13\ ,\ y=0\ ,\ v=4902\\ w=56\ ,\ h=41\ ,\ x=43\ ,\ y=57\ ,\ v=2296\\ w=13\ ,\ h=74\ ,\ x=0\ ,\ y=0\ ,\ v=962 \end{array}$$



 $\le =89$  , h =97 , x =11 , y =0 , v =8633



$$\begin{array}{l} w = \!\!62 \ , \ h = \!\!53 \ , \ x = \!\!38 \ , \ y = \!\!0 \ , \ v = \!\!3286 \\ w = \!\!37 \ , \ h = \!\!53 \ , \ x = \!\!1 \ , \ y = \!\!0 \ , \ v = \!\!1961 \end{array}$$

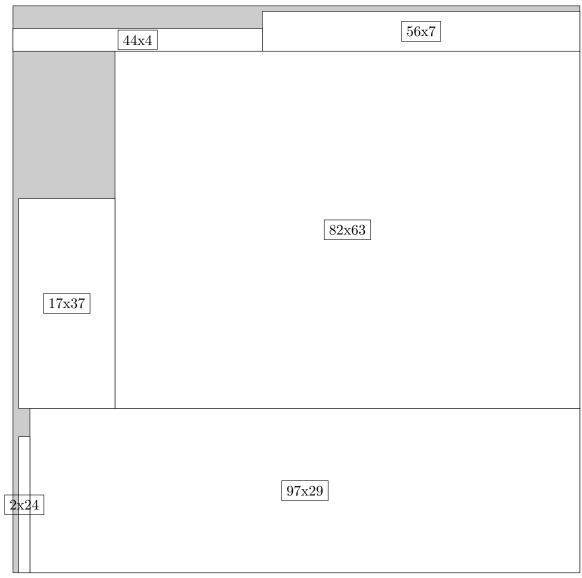


$$\le =71$$
 , h =60 , x =29 , y =0 , v =4260

$$\le =69$$
 ,  $h=14$  ,  $x=31$  ,  $y=60$  ,  $v=966$ 

$$\le =45$$
 , h =21 , x =55 , y =74 , v =945

$$\le =26$$
 , h =18 , x =29 , y =74 , v =468



$$w = 97$$
,  $h = 29$ ,  $x = 3$ ,  $y = 0$ ,  $v = 2813$ 

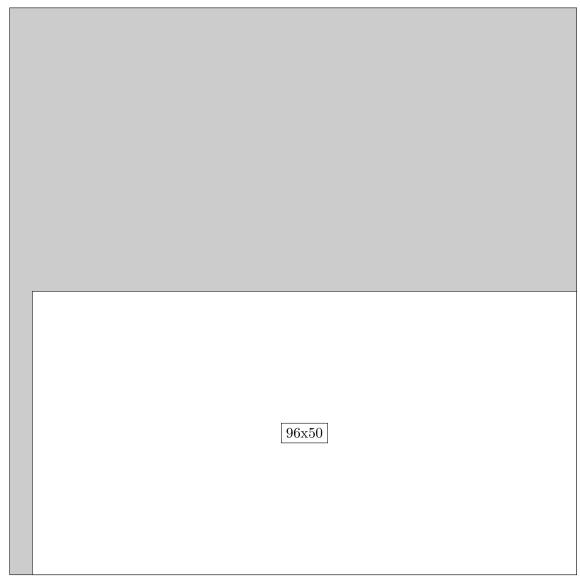
$$\mathbf{w}$$
 =2 , h =24 , x =1 , y =0 , v =48

$$\le =82$$
 ,  $h$  =63 ,  $x$  =18 ,  $y$  =29 ,  $v$  =5166

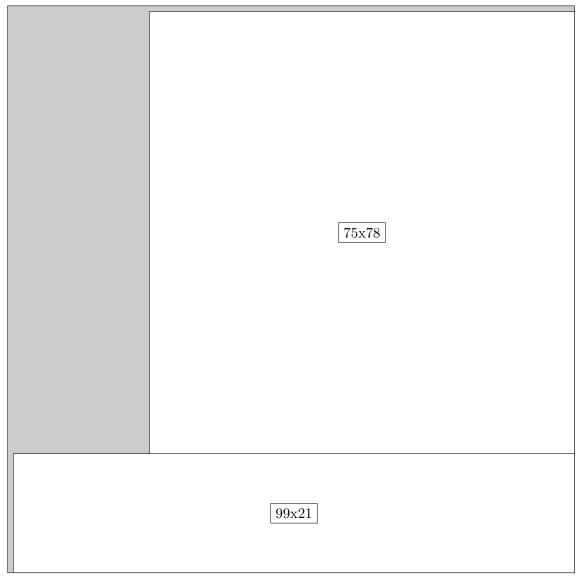
$$\le =17$$
 , h =37 , x =1 , y =29 , v =629

$$w=\!56$$
 ,  $h=\!7$  ,  $x=\!44$  ,  $y=\!92$  ,  $v=\!392$ 

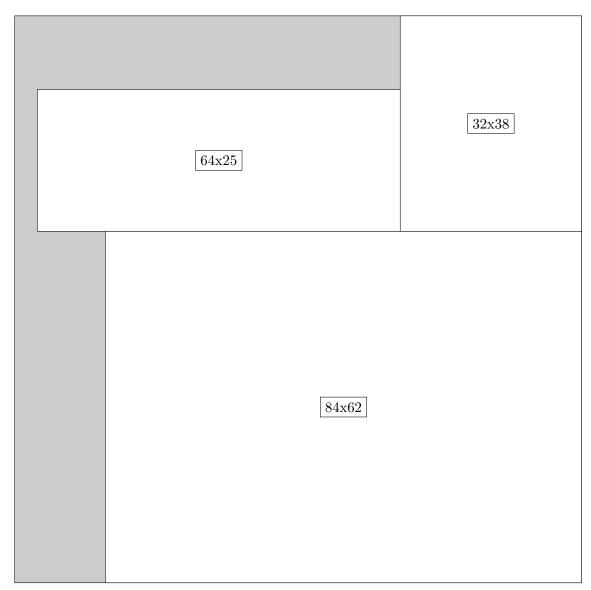
$$\mathbf{w}=\!\!44$$
 ,  $\mathbf{h}=\!\!4$  ,  $\mathbf{x}=\!\!0$  ,  $\mathbf{y}=\!\!92$  ,  $\mathbf{v}=\!\!176$ 



 $\le -96$  , h = 50 , x = 4 , y = 0 , v = 4800



$$\begin{array}{l} w = \! 99 \ , \ h = \! 21 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 2079 \\ w = \! 75 \ , \ h = \! 78 \ , \ x = \! 25 \ , \ y = \! 21 \ , \ v = \! 5850 \end{array}$$



$$w = 84$$
,  $h = 62$ ,  $x = 16$ ,  $y = 0$ ,  $v = 5208$ 

$$\le =32$$
 , h =38 , x =68 , y =62 , v =1216

$$\le =64$$
 , h =25 , x =4 , y =62 , v =1600