$ClassName: \ Class\_05.2bp-22$ 

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>190000</u> InS: <u>154680</u> Rate: <u>0.814</u> UB: <u>19</u> LB0: <u>19</u>

LBWithCut:  $\underline{\mathbf{19}}$ NodeCut:  $\underline{\mathbf{0}}$ 

LB: **19** 

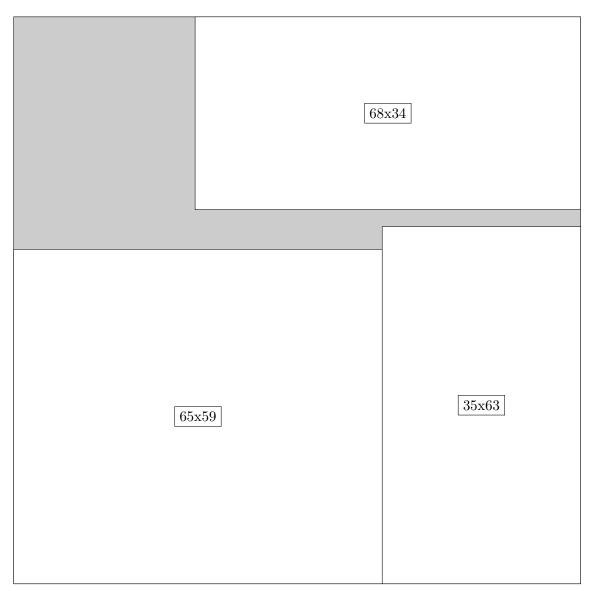
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{19}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

isOpt: **true** 

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

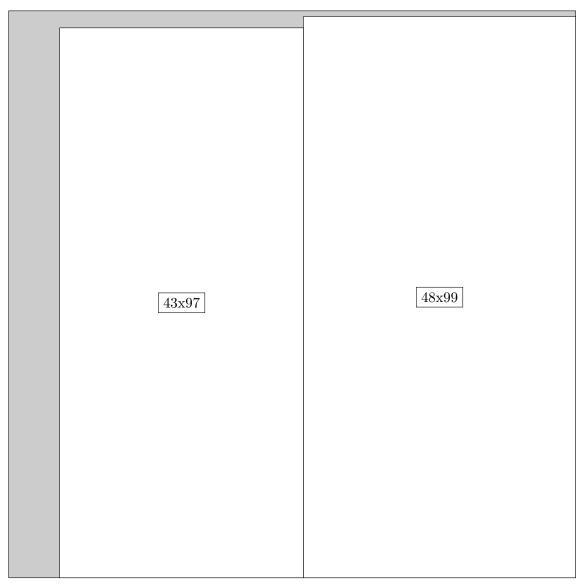
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 600.344 s



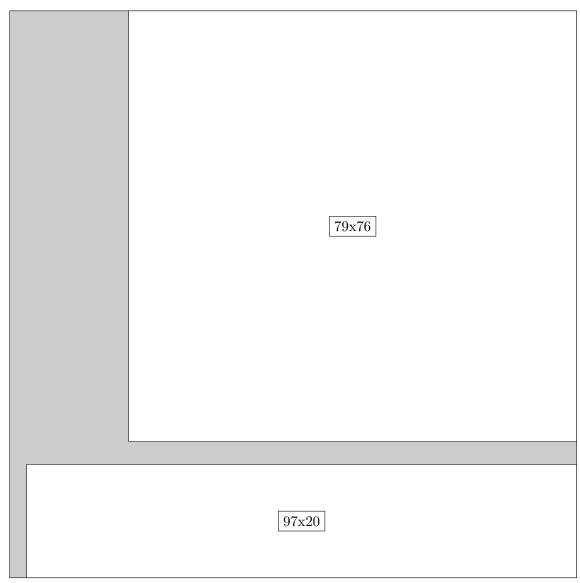
$$\le 35$$
 ,  $h$  =63 ,  $x$  =65 ,  $y$  =0 ,  $v$  =2205

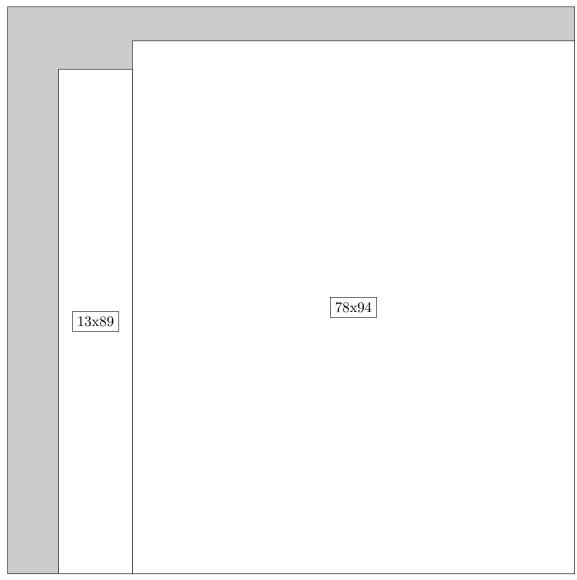
$$\le =65$$
 ,  $h=59$  ,  $x=0$  ,  $y=0$  ,  $v=3835$ 

$$\le =68$$
 , h =34 , x =32 , y =66 , v =2312

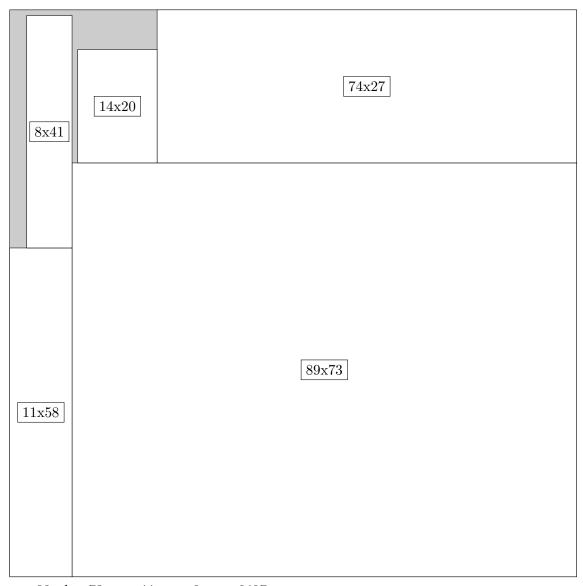


 $\begin{array}{l} w = \! 48 \ , \ h = \! 99 \ , \ x = \! 52 \ , \ y = \! 0 \ , \ v = \! 4752 \\ w = \! 43 \ , \ h = \! 97 \ , \ x = \! 9 \ , \ y = \! 0 \ , \ v = \! 4171 \end{array}$ 

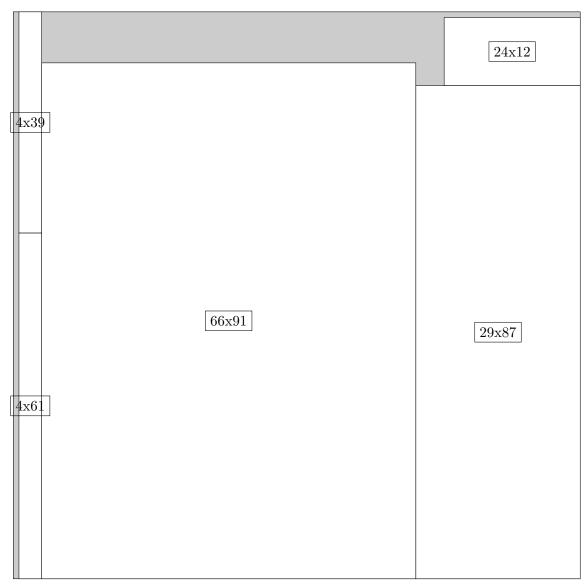




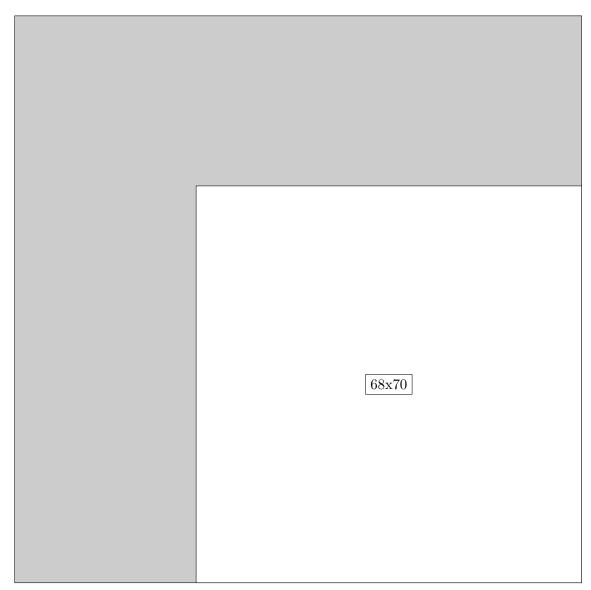
$$\begin{array}{l} w = \! 78 \ , \ h = \! 94 \ , \ x = \! 22 \ , \ y = \! 0 \ , \ v = \! 7332 \\ w = \! 13 \ , \ h = \! 89 \ , \ x = \! 9 \ , \ y = \! 0 \ , \ v = \! 1157 \end{array}$$



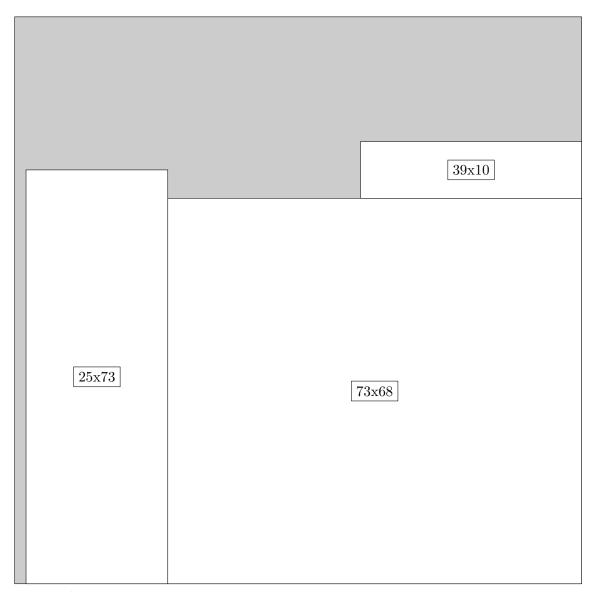
$$\begin{array}{l} w = \! 89 \;,\; h = \! 73 \;,\; x = \! 11 \;,\; y = \! 0 \;,\; v = \! 6497 \\ w = \! 74 \;,\; h = \! 27 \;,\; x = \! 26 \;,\; y = \! 73 \;,\; v = \! 1998 \\ w = \! 14 \;,\; h = \! 20 \;,\; x = \! 12 \;,\; y = \! 73 \;,\; v = \! 280 \\ w = \! 11 \;,\; h = \! 58 \;,\; x = \! 0 \;,\; y = \! 0 \;,\; v = \! 638 \\ w = \! 8 \;,\; h = \! 41 \;,\; x = \! 3 \;,\; y = \! 58 \;,\; v = \! 328 \end{array}$$



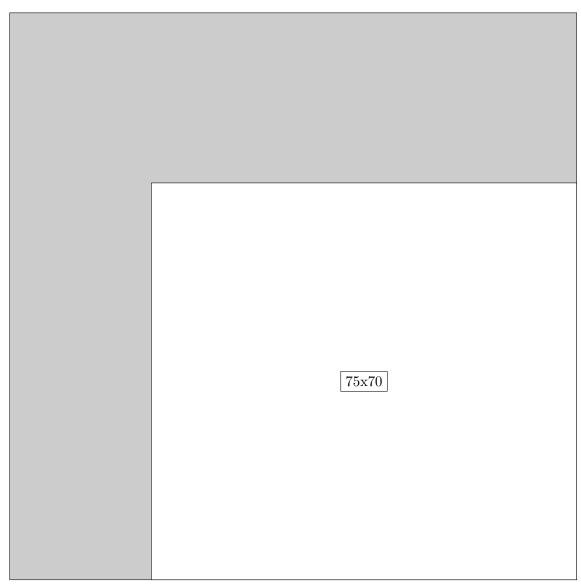
 $\begin{array}{l} w=29 \ , \ h=87 \ , \ x=71 \ , \ y=0 \ , \ v=2523 \\ w=24 \ , \ h=12 \ , \ x=76 \ , \ y=87 \ , \ v=288 \\ w=66 \ , \ h=91 \ , \ x=5 \ , \ y=0 \ , \ v=6006 \\ w=4 \ , \ h=61 \ , \ x=1 \ , \ y=0 \ , \ v=244 \\ w=4 \ , \ h=39 \ , \ x=1 \ , \ y=61 \ , \ v=156 \end{array}$ 



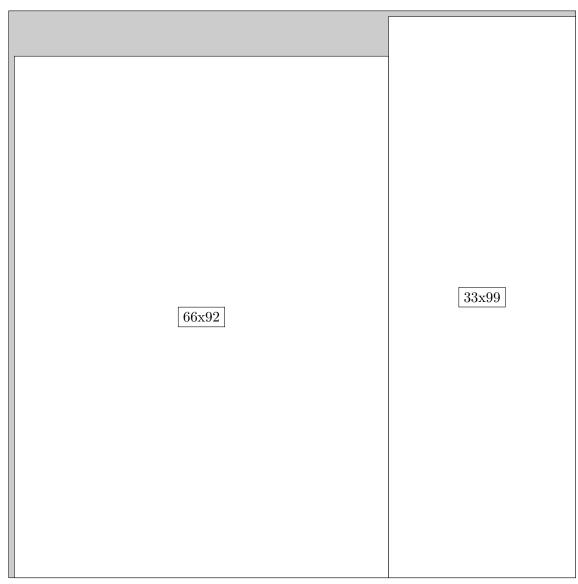
 $\le =68$  , h =70 , x =32 , y =0 , v =4760



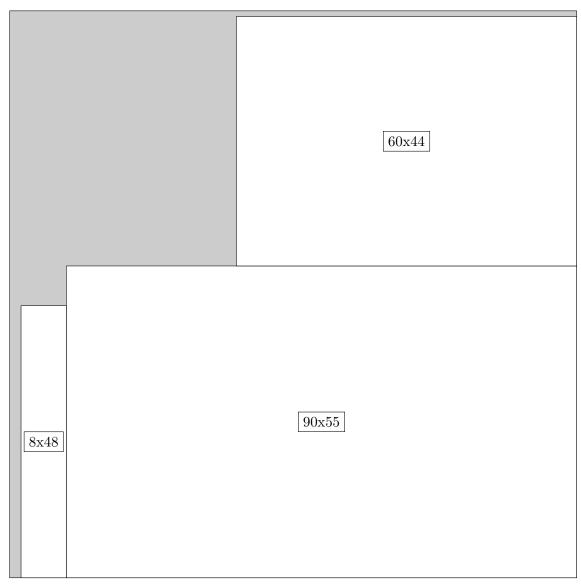
$$\begin{array}{l} w = 73 \ , \ h = 68 \ , \ x = 27 \ , \ y = 0 \ , \ v = 4964 \\ w = 39 \ , \ h = 10 \ , \ x = 61 \ , \ y = 68 \ , \ v = 390 \\ w = 25 \ , \ h = 73 \ , \ x = 2 \ , \ y = 0 \ , \ v = 1825 \end{array}$$



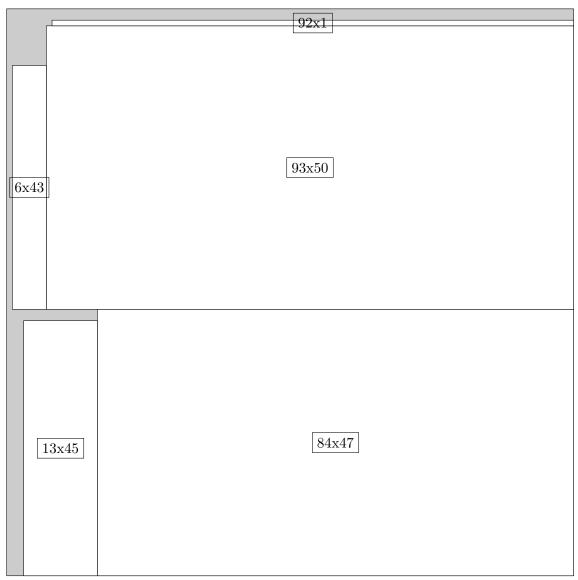
 $\le =75$  , h =70 , x =25 , y =0 , v =5250



$$\begin{array}{l} w = \! 33 \ , \, h = \! 99 \ , \, x = \! 67 \ , \, y = \! 0 \ , \, v = \! 3267 \\ w = \! 66 \ , \, h = \! 92 \ , \, x = \! 1 \ , \, y = \! 0 \ , \, v = \! 6072 \end{array}$$



 $\begin{array}{l} w = \! 90 \ , \ h = \! 55 \ , \ x = \! 10 \ , \ y = \! 0 \ , \ v = \! 4950 \\ w = \! 8 \ , \ h = \! 48 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 384 \\ w = \! 60 \ , \ h = \! 44 \ , \ x = \! 40 \ , \ y = \! 55 \ , \ v = \! 2640 \end{array}$ 



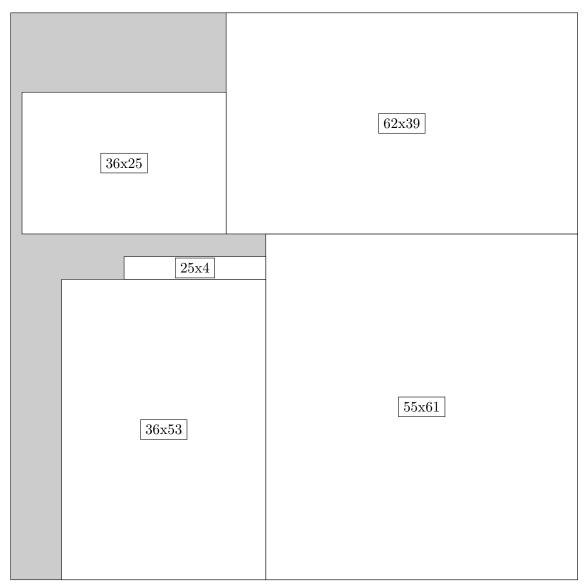
$$\le =84$$
 ,  $h=47$  ,  $x=16$  ,  $y=0$  ,  $v=3948$ 

$$\le =13$$
 , h =45 , x =3 , y =0 , v =585

$$\le =93$$
 , h =50 , x =7 , y =47 , v =4650

$$\le =92$$
 , h =1 , x =8 , y =97 , v =92

$$\mathbf{w}$$
 =6 , h =43 , x =1 , y =47 , v =258



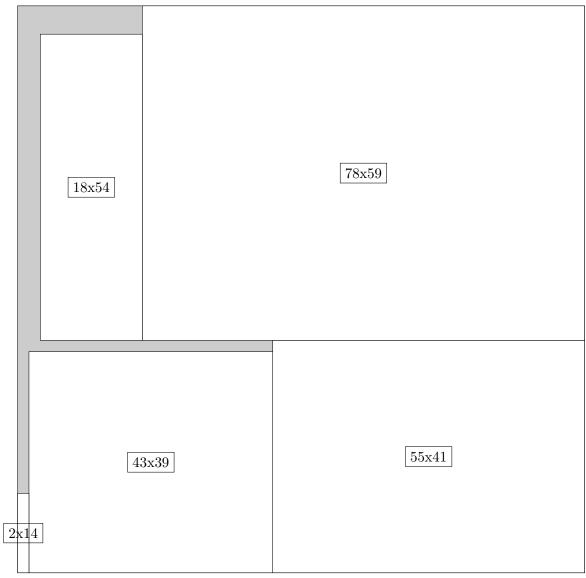
$$w = 55$$
,  $h = 61$ ,  $x = 45$ ,  $y = 0$ ,  $v = 3355$ 

$$\le =36$$
 ,  $h=53$  ,  $x=9$  ,  $y=0$  ,  $v=1908$ 

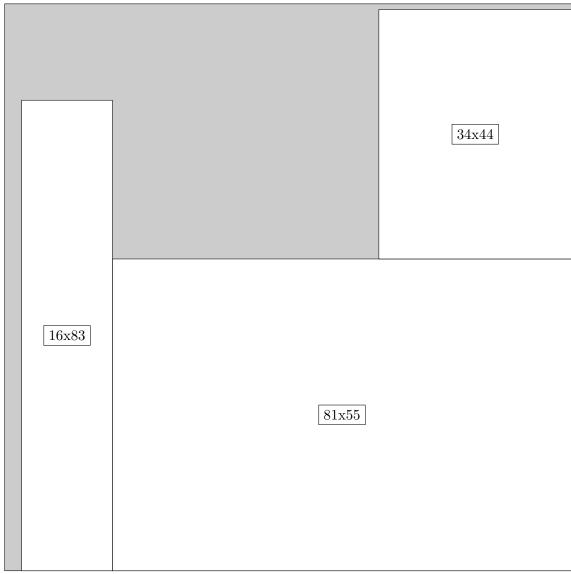
$$\le =25$$
 , h =4 , x =20 , y =53 , v =100

$$\le =62$$
 , h =39 , x =38 , y =61 , v =2418

$$\mathbf{w}=\!36$$
 ,  $\mathbf{h}=\!25$  ,  $\mathbf{x}=\!2$  ,  $\mathbf{y}=\!61$  ,  $\mathbf{v}=\!900$ 



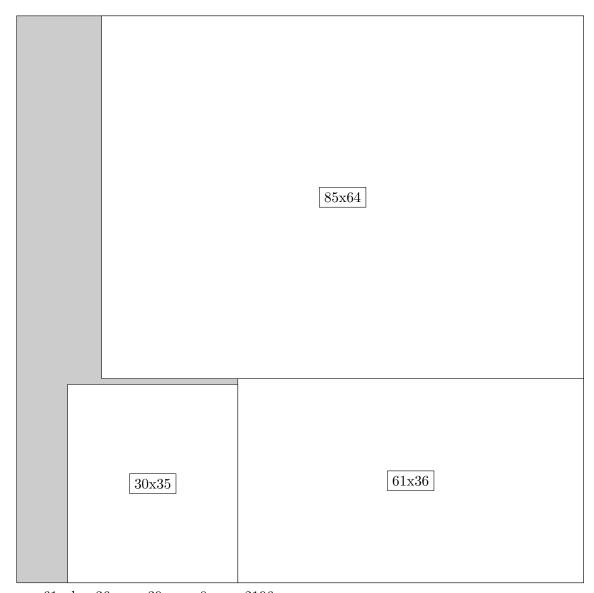
 $\begin{array}{l} w = \!55 \;,\; h = \!41 \;,\; x = \!45 \;,\; y = \!0 \;,\; v = \!2255 \\ w = \!43 \;,\; h = \!39 \;,\; x = \!2 \;,\; y = \!0 \;,\; v = \!1677 \\ w = \!2 \;,\; h = \!14 \;,\; x = \!0 \;,\; y = \!0 \;,\; v = \!28 \\ w = \!78 \;,\; h = \!59 \;,\; x = \!22 \;,\; y = \!41 \;,\; v = \!4602 \\ w = \!18 \;,\; h = \!54 \;,\; x = \!4 \;,\; y = \!41 \;,\; v = \!972 \end{array}$ 



$$\le =81$$
 ,  $h=55$  ,  $x=19$  ,  $y=0$  ,  $v=4455$ 

$$\le =34$$
 , h =44 , x =66 , y =55 , v =1496

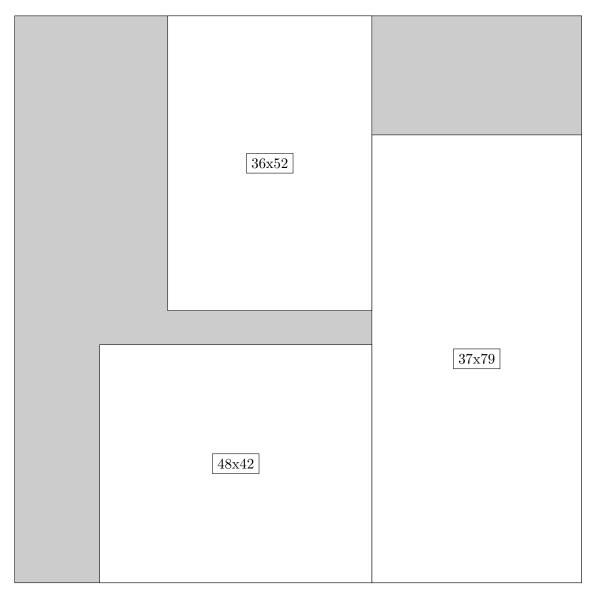
$$\le =16$$
 , h =83 , x =3 , y =0 , v =1328



$$\le =61$$
 , h =36 , x =39 , y =0 , v =2196

$$\le =30$$
 , h =35 , x =9 , y =0 , v =1050

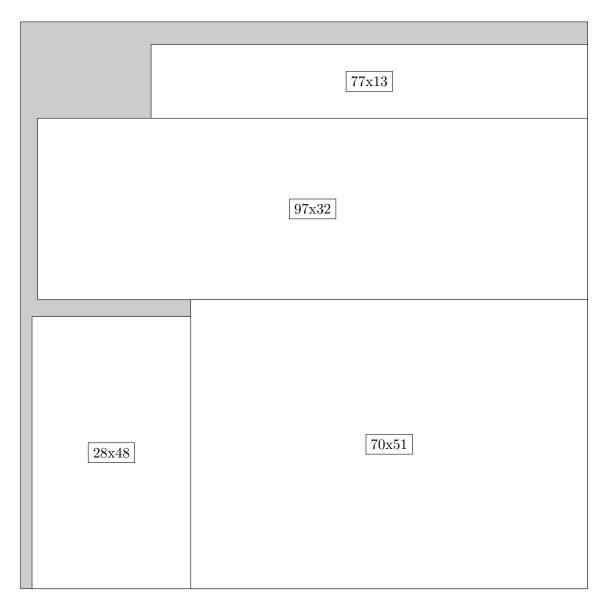
$$\le =85$$
 , h =64 , x =15 , y =36 , v =5440



$$\le =37$$
 , h =79 , x =63 , y =0 , v =2923

$$w = 48$$
,  $h = 42$ ,  $x = 15$ ,  $y = 0$ ,  $v = 2016$ 

$$\le =36$$
 , h =52 , x =27 , y =48 , v =1872

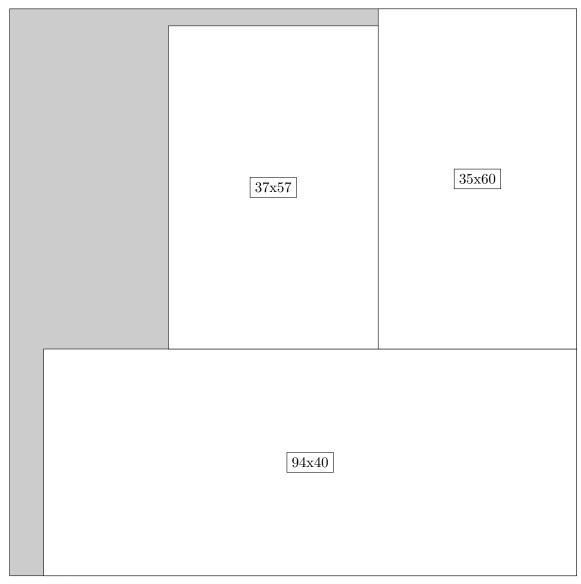


$$\le =70$$
 , h =51 , x =30 , y =0 , v =3570

$$\le =28$$
 , h =48 , x =2 , y =0 , v =1344

$$\le =97$$
 , h =32 , x =3 , y =51 , v =3104

$$w$$
 =77 ,  $h$  =13 ,  $x$  =23 ,  $y$  =83 ,  $v$  =1001



$$\le =94$$
 , h =40 , x =6 , y =0 , v =3760

$$\le =35$$
 , h =60 , x =65 , y =40 , v =2100

$$\le =37$$
 , h =57 , x =28 , y =40 , v =2109