${\bf ClassName:}\ {\bf Class\_08.2bp\text{-}30}$ 

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>220000</u> InS: <u>183532</u> Rate: <u>0.834</u> UB: <u>22</u> LB0: <u>22</u>

LB: **22** LBWithCut: **22** 

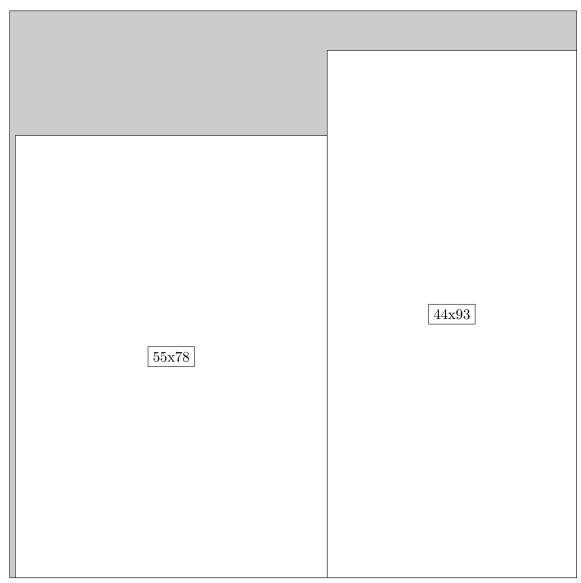
NodeCut:  $\underline{\mathbf{0}}$ ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt: <u>1</u>
PrimalNode: <u>0</u>
ColumnCount: <u>22</u>
TotalCutCount: <u>0</u>
RootCutCount: <u>0</u>
LPSolverCnt: <u>1</u>
PricingSolverCnt: <u>0</u>
BranchAndBoundNum: <u>1</u>

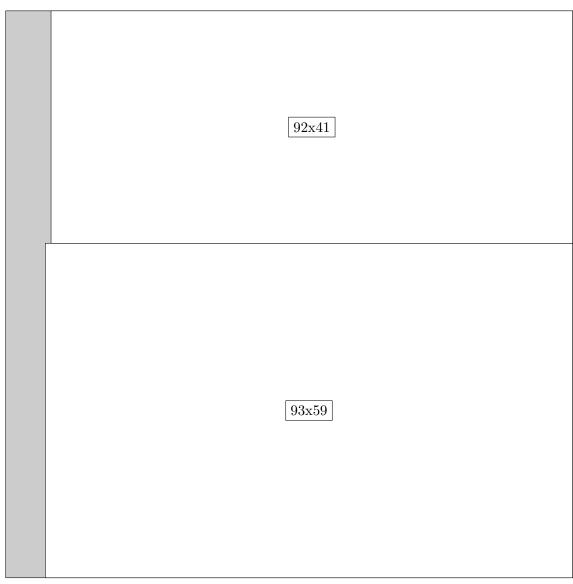
isOpt: **true** 

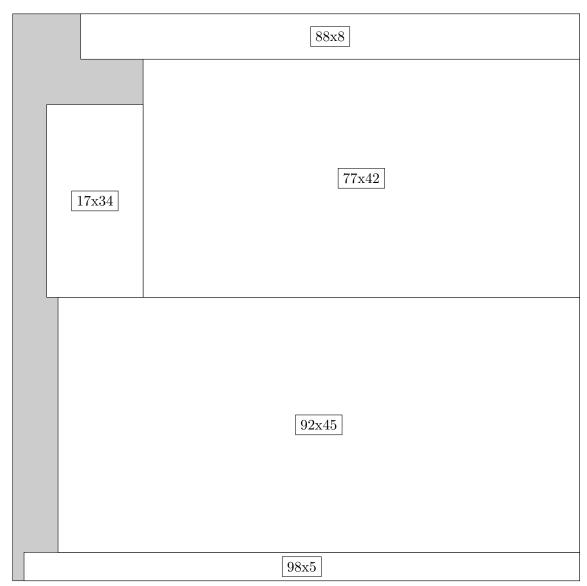
TimeOnInitSolution:  $\underline{600.000 \text{ s}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 600.297 s



$$\begin{array}{l} w = \! 44 \ , \ h = \! 93 \ , \ x = \! 56 \ , \ y = \! 0 \ , \ v = \! 4092 \\ w = \! 55 \ , \ h = \! 78 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 4290 \end{array}$$





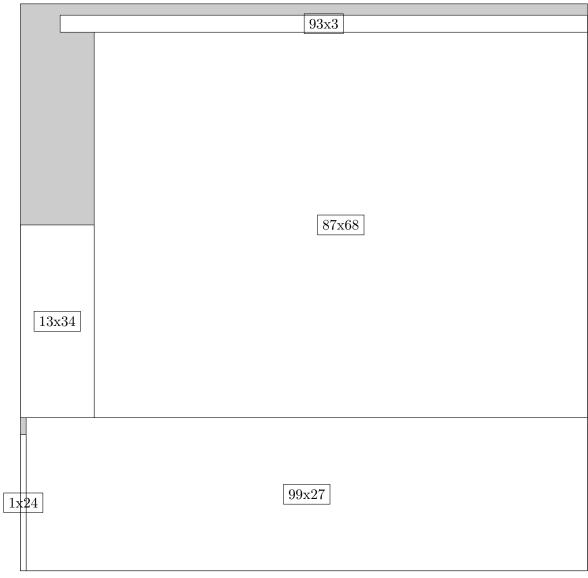
$$\le =98$$
 , h =5 , x =2 , y =0 , v =490

$$\le =92$$
 , h =45 , x =8 , y =5 , v =4140

$$\le =77$$
 , h =42 , x =23 , y =50 , v =3234

$$\le =17$$
 , h =34 , x =6 , y =50 , v =578

$$\le =88$$
 , h =8 , x =12 , y =92 , v =704



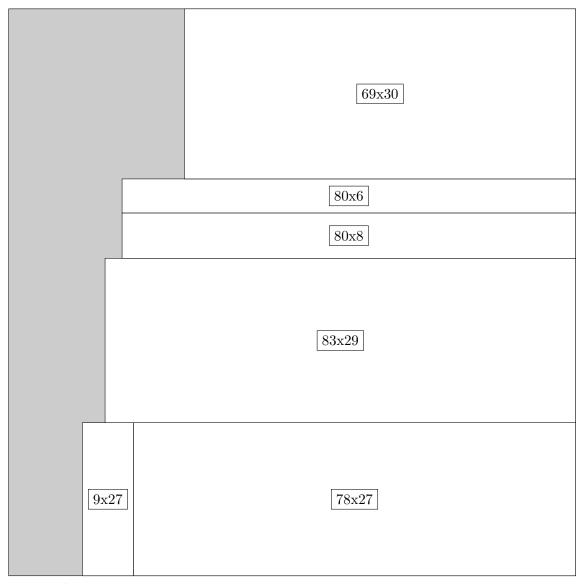
 $\le =99$  , h =27 , x =1 , y =0 , v =2673

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

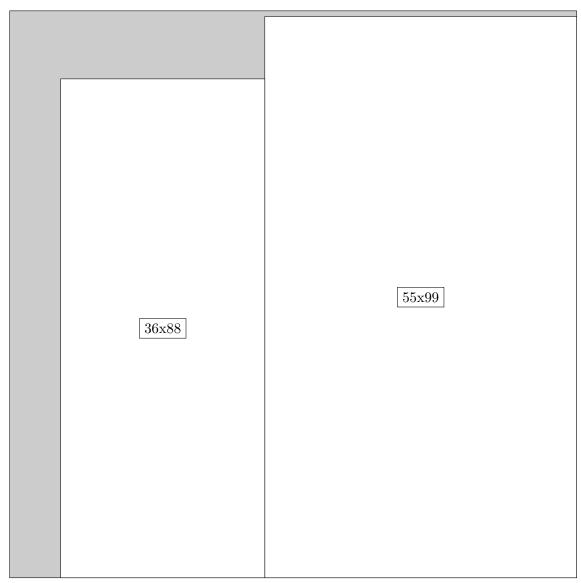
 $\le =87$  , h =68 , x =13 , y =27 , v =5916

 $\le =13$  , h=34 , x=0 , y=27 , v=442

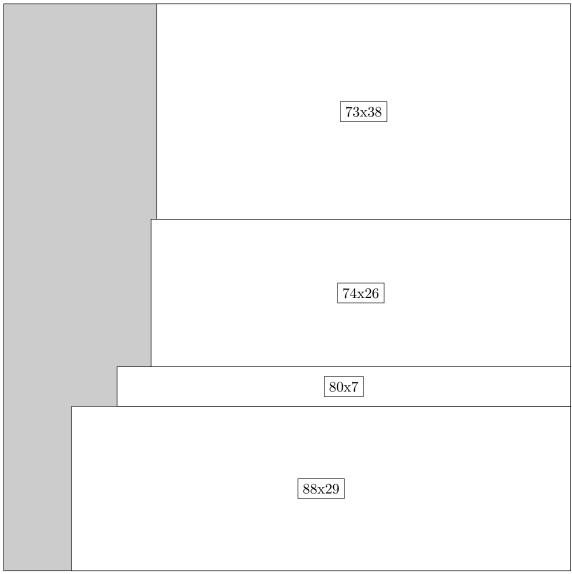
w = 93, h = 3, x = 7, y = 95, v = 279



$$\begin{array}{l} w=78\;,\; h=27\;,\; x=22\;,\; y=0\;,\; v=2106\\ w=9\;,\; h=27\;,\; x=13\;,\; y=0\;,\; v=243\\ w=83\;,\; h=29\;,\; x=17\;,\; y=27\;,\; v=2407\\ w=80\;,\; h=8\;,\; x=20\;,\; y=56\;,\; v=640\\ w=80\;,\; h=6\;,\; x=20\;,\; y=64\;,\; v=480\\ w=69\;,\; h=30\;,\; x=31\;,\; y=70\;,\; v=2070 \end{array}$$



w = 55, h = 99, x = 45, y = 0, v = 5445 w = 36, h = 88, x = 9, y = 0, v = 3168

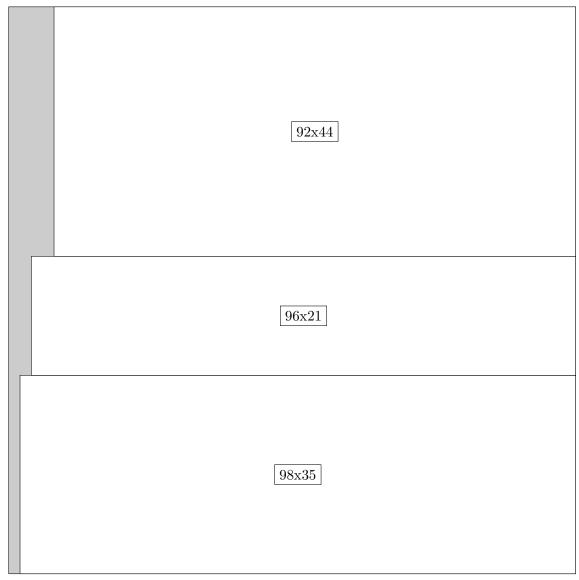


$$\le =88$$
 , h =29 , x =12 , y =0 , v =2552

$$\le =80$$
 , h =7 , x =20 , y =29 , v =560

$$\le =74$$
 , h =26 , x =26 , y =36 , v =1924

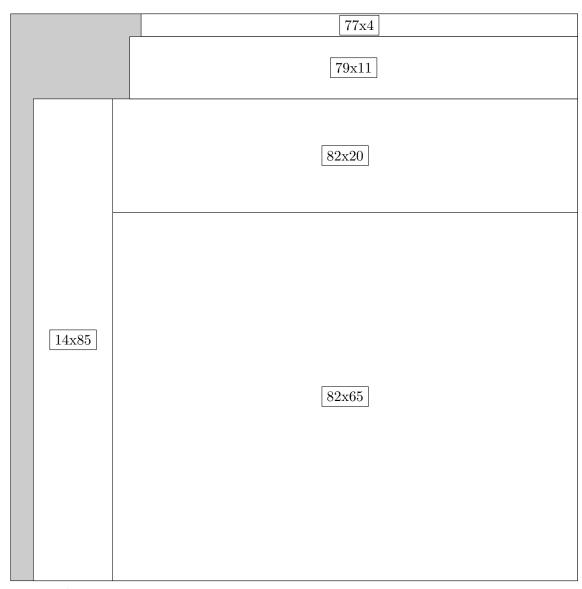
$$w$$
 =73 , h =38 , x =27 , y =62 , v =2774



$$w = 98$$
,  $h = 35$ ,  $x = 2$ ,  $y = 0$ ,  $v = 3430$ 

$$\le =96$$
 , h =21 , x =4 , y =35 , v =2016

$$\le =92$$
 , h =44 , x =8 , y =  
56 , v =4048



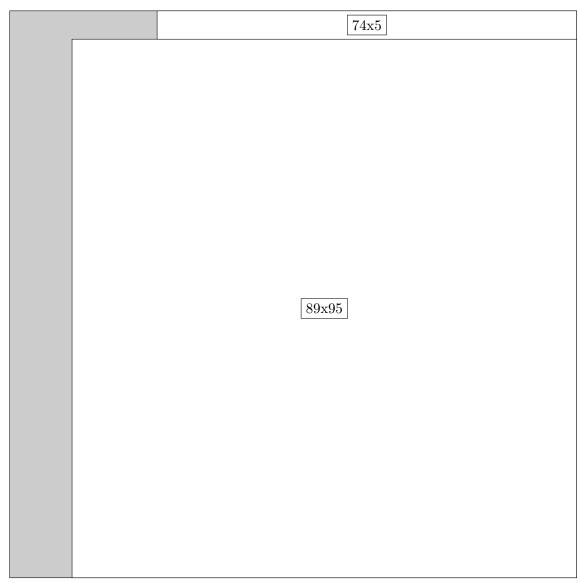
$$w = 82 \ , \ h = 65 \ , \ x = 18 \ , \ y = 0 \ , \ v = 5330$$

$$\le =82$$
 ,  $h$  =20 ,  $x$  =18 ,  $y$  =65 ,  $v$  =1640

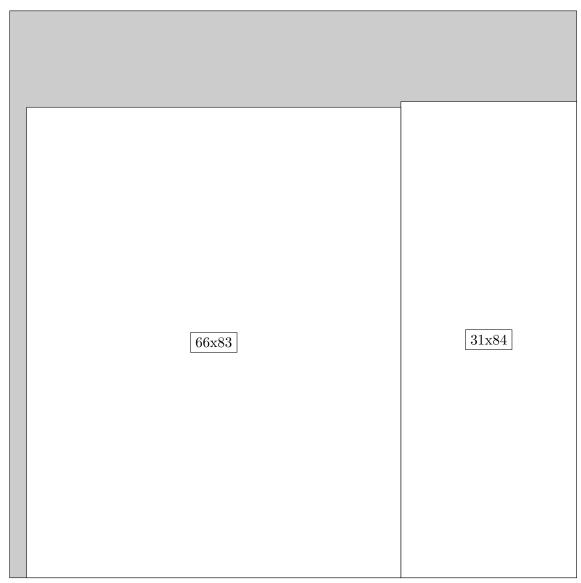
$$w$$
 =79 ,  $h$  =11 ,  $x$  =21 ,  $y$  =85 ,  $v$  =869

$$w$$
 =77 , h =4 , x =23 , y =96 , v =308

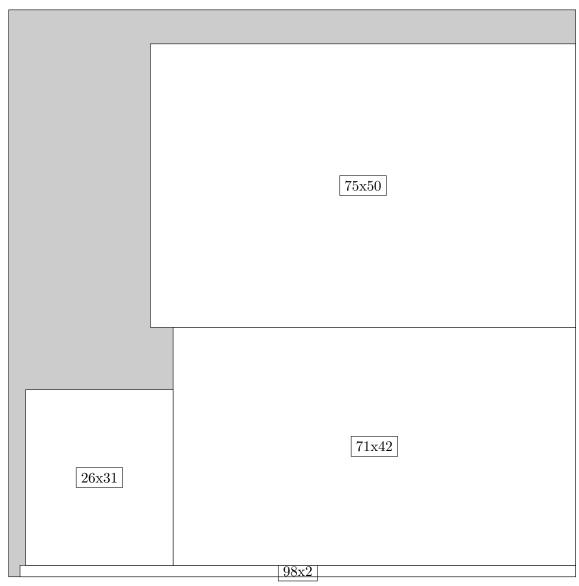
$$\mathbf{w}$$
 =14 , h =85 , x =4 , y =0 , v =1190



$$\begin{array}{l} w = \! 89 \ , \ h = \! 95 \ , \ x = \! 11 \ , \ y = \! 0 \ , \ v = \! 8455 \\ w = \! 74 \ , \ h = \! 5 \ , \ x = \! 26 \ , \ y = \! 95 \ , \ v = \! 370 \end{array}$$



$$\begin{array}{l} w = \! 31 \ , \ h = \! 84 \ , \ x = \! 69 \ , \ y = \! 0 \ , \ v = \! 2604 \\ w = \! 66 \ , \ h = \! 83 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 5478 \end{array}$$

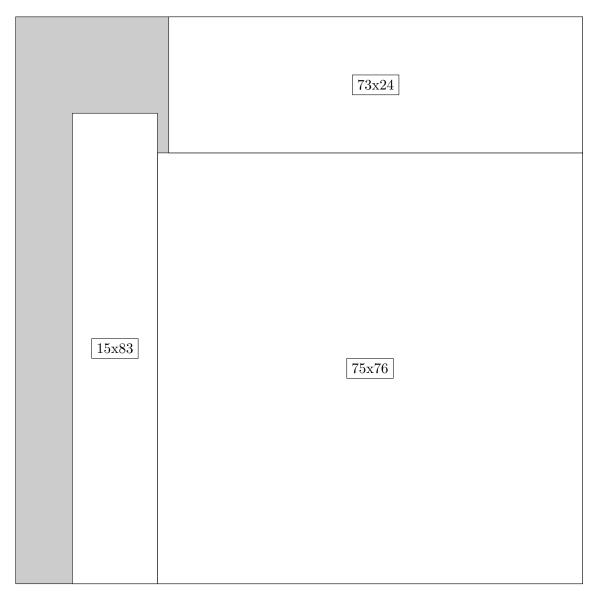


$$\le =98$$
 , h =2 , x =2 , y =0 , v =196

$$\mathbf{w}$$
 =71 , h =42 , x =29 , y =2 , v =2982

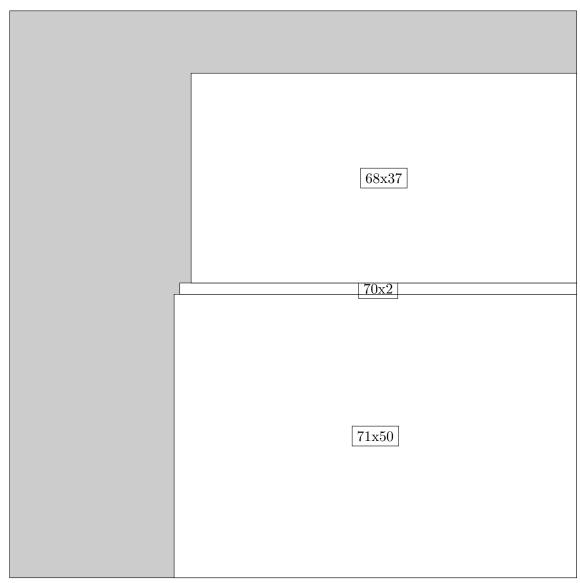
$$\le =26$$
 , h =31 , x =3 , y =2 , v =806

$$\le =75$$
 , h =50 , x =25 , y =44 , v =3750



 $\begin{array}{l} w = \! 75 \ , \ h = \! 76 \ , \ x = \! 25 \ , \ y = \! 0 \ , \ v = \! 5700 \\ w = \! 73 \ , \ h = \! 24 \ , \ x = \! 27 \ , \ y = \! 76 \ , \ v = \! 1752 \end{array}$ 

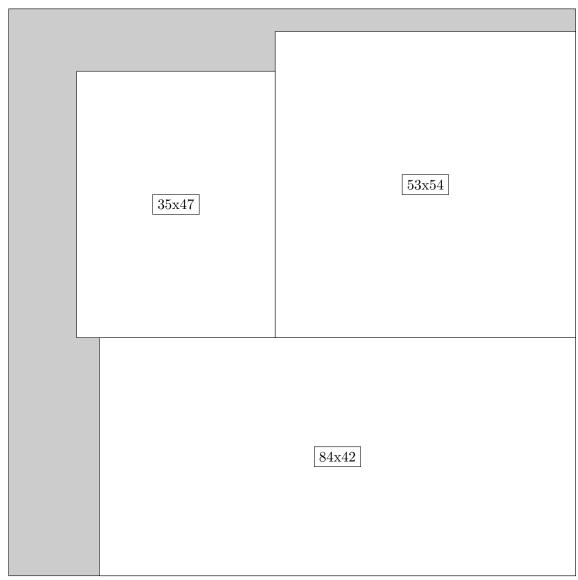
 $w=\!15$  ,  $h=\!83$  ,  $x=\!10$  ,  $y=\!0$  ,  $v=\!1245$ 



$$\le =71$$
 , h =50 , x =29 , y =0 , v =3550

$$w$$
 =70 , h =2 , x =30 , y =50 , v =140

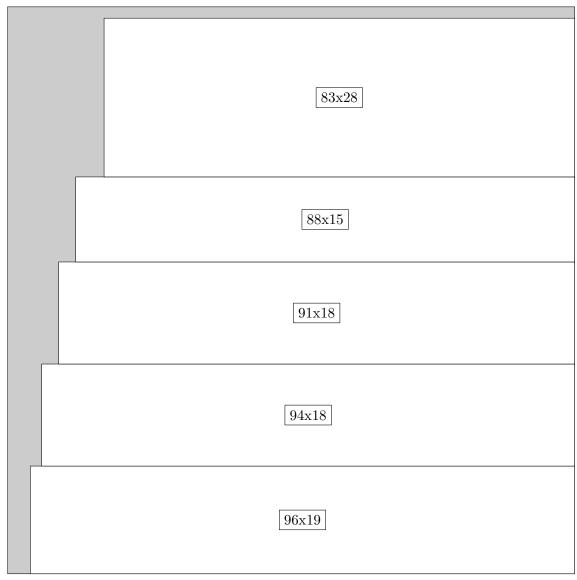
$$\le =68$$
 , h =37 , x =32 , y =52 , v =2516



$$\le =84$$
 ,  $h=42$  ,  $x=16$  ,  $y=0$  ,  $v=3528$ 

$$\le =53$$
 , h =54 , x =47 , y =42 , v =2862

$$\le =35$$
 , h =47 , x =12 , y =42 , v =1645



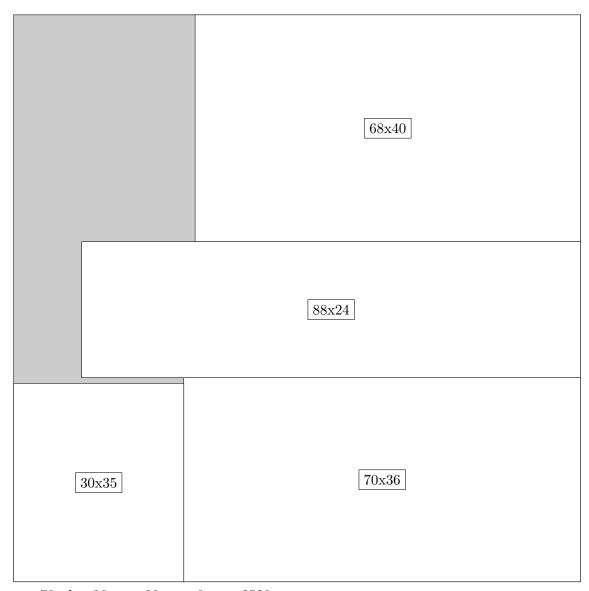
$$w = 96$$
,  $h = 19$ ,  $x = 4$ ,  $y = 0$ ,  $v = 1824$ 

$$\le =94$$
 , h =18 , x =6 , y =19 , v =1692

$$\le =91$$
 , h =18 , x =9 , y =37 , v =1638

$$\le =88$$
 ,  $h$  =15 ,  $x$  =12 ,  $y$  =55 ,  $v$  =1320

$$\le =83$$
 ,  $h=28$  ,  $x=17$  ,  $y=70$  ,  $v=2324$ 

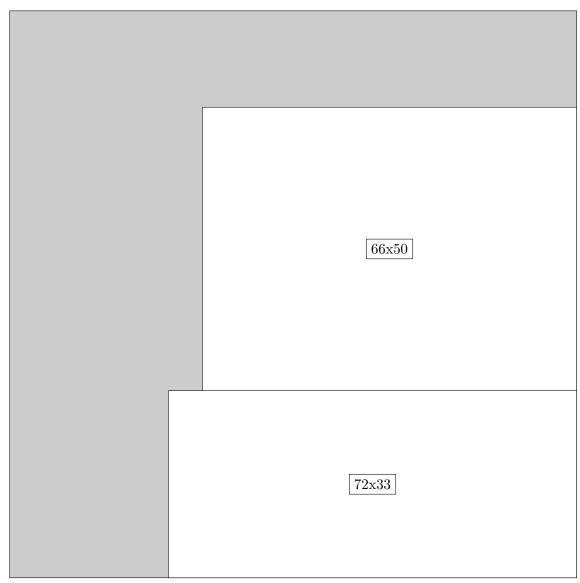


$$\le =70$$
 , h =36 , x =30 , y =0 , v =2520

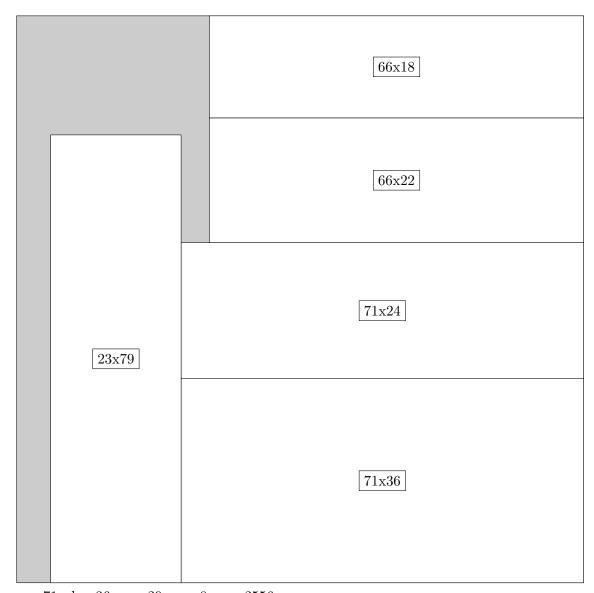
$$\le =30$$
 ,  $h=35$  ,  $x=0$  ,  $y=0$  ,  $v=1050$ 

$$\le =88$$
 , h =24 , x =12 , y =36 , v =2112

$$\le =68$$
 , h =40 , x =32 , y =60 , v =2720

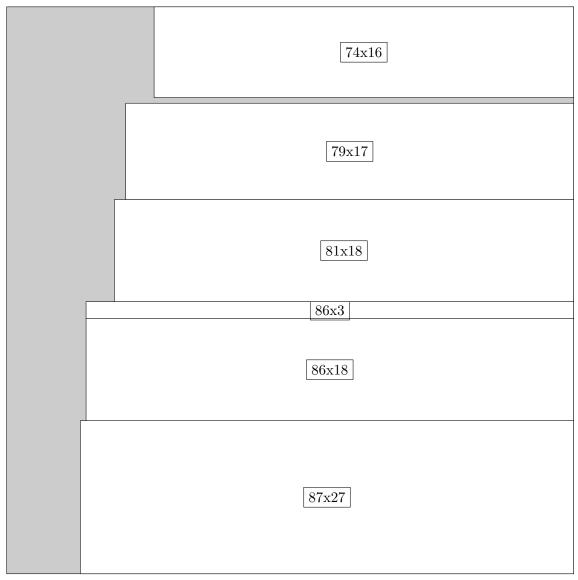


$$\begin{array}{l} w = \!\!\! 72 \ , \ h = \!\!\! 33 \ , \ x = \!\!\! 28 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 2376 \\ w = \!\!\! 66 \ , \ h = \!\!\! 50 \ , \ x = \!\!\! 34 \ , \ y = \!\!\! 33 \ , \ v = \!\!\! 3300 \end{array}$$



$$\begin{array}{l} w = \! 71 \ , \ h = \! 24 \ , \ x = \! 29 \ , \ y = \! 36 \ , \ v = \! 1704 \\ w = \! 66 \ , \ h = \! 22 \ , \ x = \! 34 \ , \ y = \! 60 \ , \ v = \! 1452 \end{array}$$

$$w = 66$$
,  $h = 18$ ,  $x = 34$ ,  $y = 82$ ,  $v = 1188$ 



$$w$$
 =87 , h =27 , x =13 , y =0 , v =2349

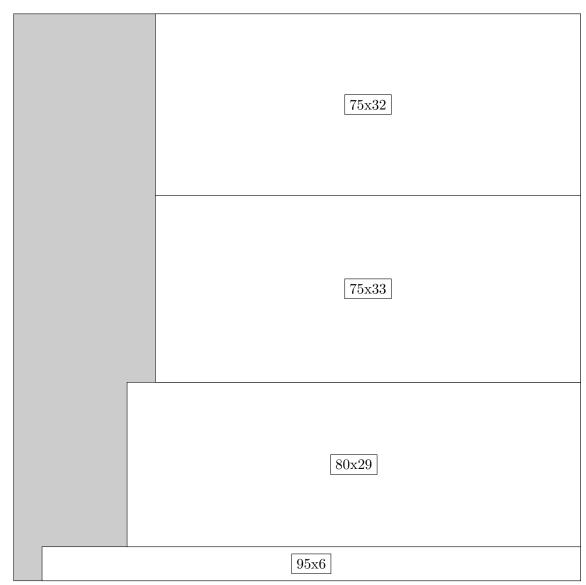
$$w = 86$$
,  $h = 18$ ,  $x = 14$ ,  $y = 27$ ,  $v = 1548$ 

$$\le =86$$
 , h =3 , x =14 , y =45 , v =258

$$\le =81$$
 ,  $h$  =18 ,  $x$  =19 ,  $y$  =48 ,  $v$  =1458

$$w$$
 =79 ,  $h$  =17 ,  $x$  =21 ,  $y$  =66 ,  $v$  =1343

$$w$$
 =74 ,  $h$  =16 ,  $x$  =26 ,  $y$  =84 ,  $v$  =1184

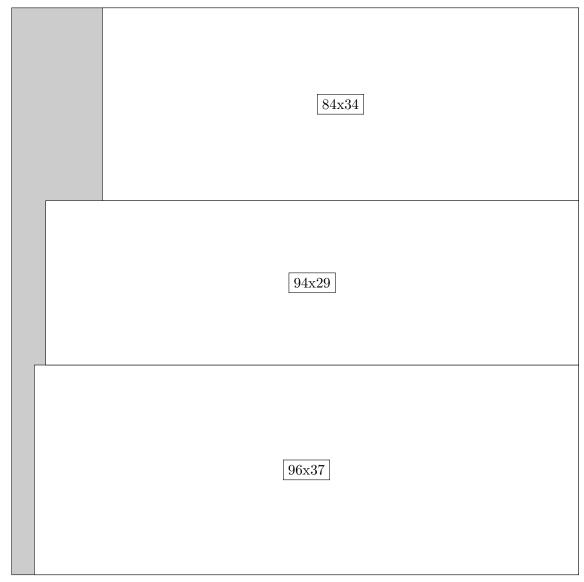


$$\le =95$$
 , h =6 , x =5 , y =0 , v =570

$$\le =80$$
 , h =29 , x =20 , y =6 , v =2320

$$\le =75$$
 , h =33 , x =25 , y =35 , v =2475

$$\le =75$$
 , h =32 , x =25 , y =68 , v =2400



$$\le 96$$
 ,  $h = 37$  ,  $x = 4$  ,  $y = 0$  ,  $v = 3552$ 

$$\le =94$$
 , h =29 , x =6 , y =37 , v =2726

$$\le =84$$
 , h =34 , x =16 , y =66 , v =2856