$ClassName: {\bf Class\_05.2bp-21}$ 

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>170000</u> InS: <u>144220</u> Rate: <u>0.848</u> UB: <u>17</u> LB0: <u>17</u>

LB:  $\underline{17}$ LBWithCut:  $\underline{17}$ NodeCut:  $\underline{0}$ 

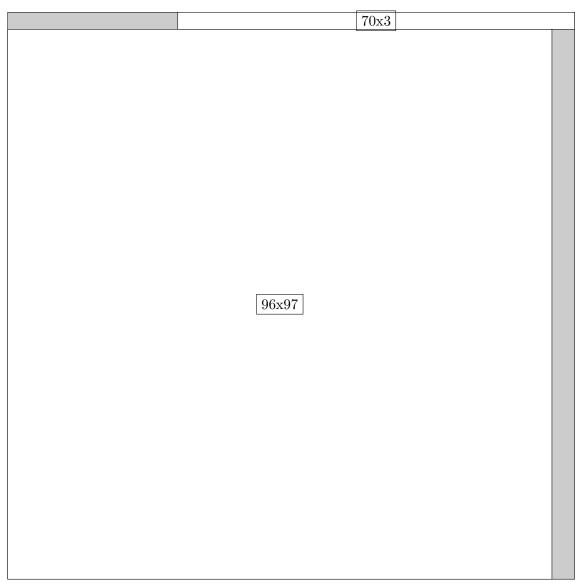
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt: 1
PrimalNode: 0
ColumnCount: 17
TotalCutCount: 0
RootCutCount: 0
LPSolverCnt: 1
PricingSolverCnt: 0
Branch And Bound Nu

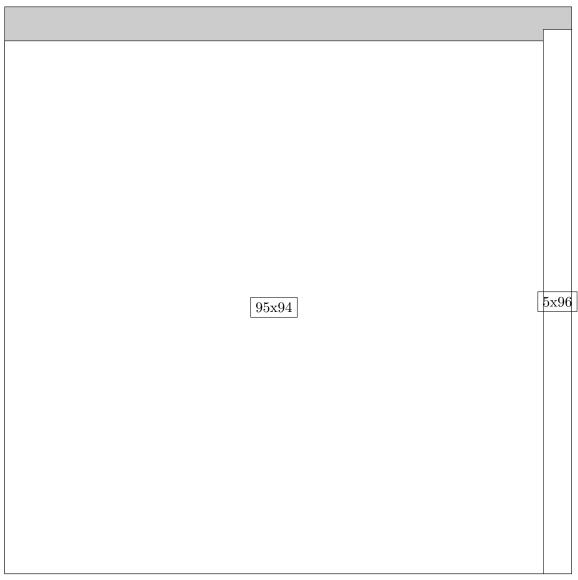
Branch And<br/>Bound Num:  $\underline{\mathbf{1}}$ 

is Opt:  $\underline{\mathbf{true}}$ 

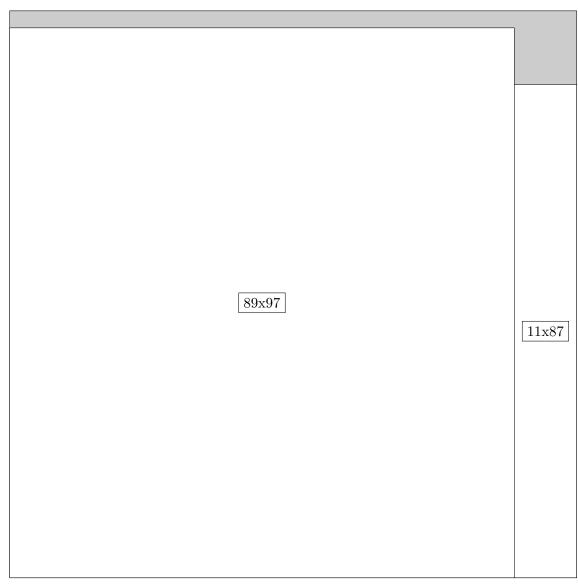
TimeOnPrimal:  $\underline{0.000 \text{ s}}$ TimeOnPricing:  $\underline{0.000 \text{ s}}$ TimeOnRmp:  $\underline{0.076 \text{ s}}$ TotalTime:  $\underline{0.147 \text{ s}}$ 



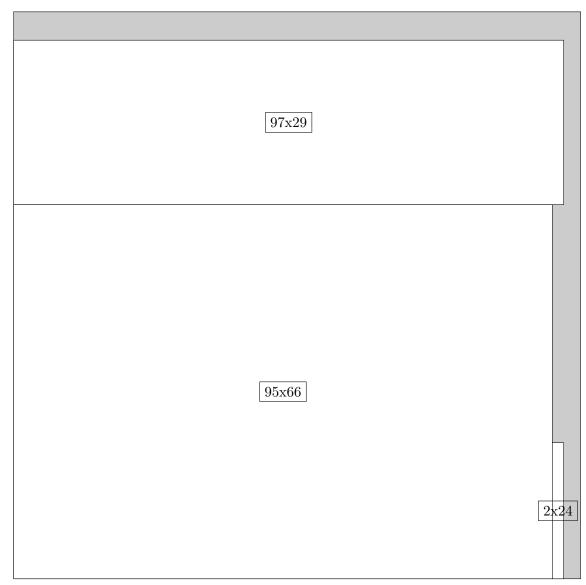
 $\begin{array}{l} w = \! 96 \ , \, h = \! 97 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 9312 \\ w = \! 70 \ , \, h = \! 3 \ , \, x = \! 30 \ , \, y = \! 97 \ , \, v = \! 210 \end{array}$ 



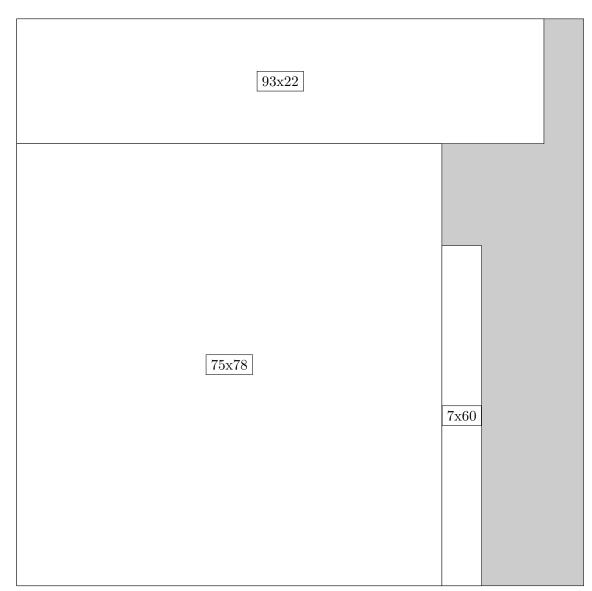
$$\begin{array}{l} w = \! 95 \ , \, h = \! 94 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 8930 \\ w = \! 5 \ , \, h = \! 96 \ , \, x = \! 95 \ , \, y = \! 0 \ , \, v = \! 480 \end{array}$$



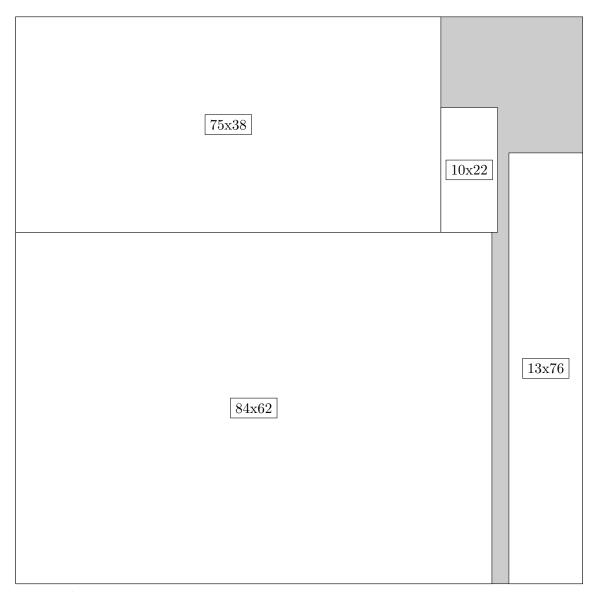
$$\begin{array}{c} w = 89 \; , \; h = 97 \; , \; x = 0 \; , \; y = 0 \; , \; v = 8633 \\ w = 11 \; , \; h = 87 \; , \; x = 89 \; , \; y = 0 \; , \; v = 957 \\ \end{array}$$



$$\begin{array}{l} w = \! 95 \ , \ h = \! 66 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6270 \\ w = \! 97 \ , \ h = \! 29 \ , \ x = \! 0 \ , \ y = \! 66 \ , \ v = \! 2813 \\ w = \! 2 \ , \ h = \! 24 \ , \ x = \! 95 \ , \ y = \! 0 \ , \ v = \! 48 \end{array}$$



$$\begin{array}{l} w = \! 75 \ , \ h = \! 78 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5850 \\ w = \! 93 \ , \ h = \! 22 \ , \ x = \! 0 \ , \ y = \! 78 \ , \ v = \! 2046 \\ w = \! 7 \ , \ h = \! 60 \ , \ x = \! 75 \ , \ y = \! 0 \ , \ v = \! 420 \end{array}$$

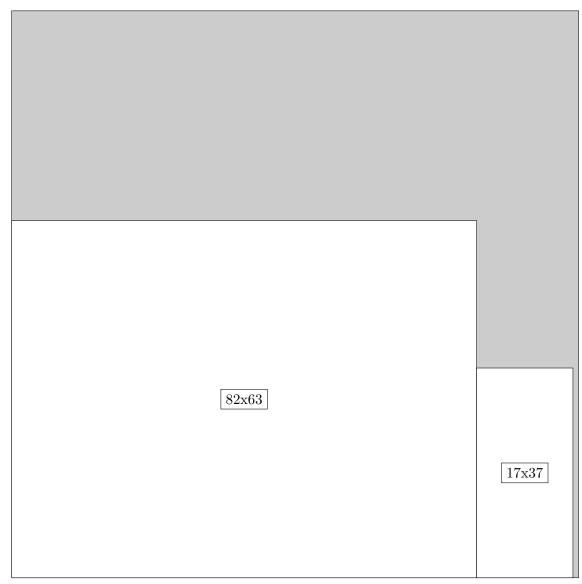


$$\le =84$$
 ,  $h$  =62 ,  $x$  =0 ,  $y$  =0 ,  $v$  =5208

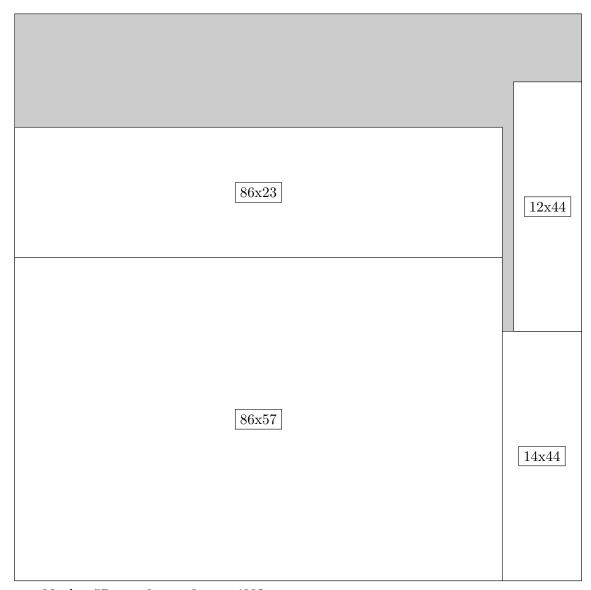
$$w = 75$$
,  $h = 38$ ,  $x = 0$ ,  $y = 62$ ,  $v = 2850$ 

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

$$\mathbf{w}$$
 =10 , h =22 , x =75 , y =62 , v =220



$$\begin{array}{c} w = 82 \; , \; h = 63 \; , \; x = 0 \; , \; y = 0 \; , \; v = \! 5166 \\ w = \! 17 \; , \; h = \! 37 \; , \; x = \! 82 \; , \; y = \! 0 \; , \; v = \! 629 \\ \end{array}$$

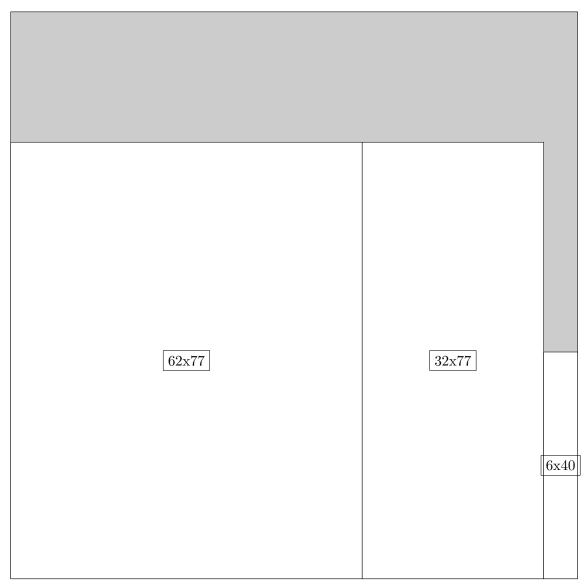


$$\le =86$$
 ,  $h$  =57 ,  $x$  =0 ,  $y$  =0 ,  $v$  =4902

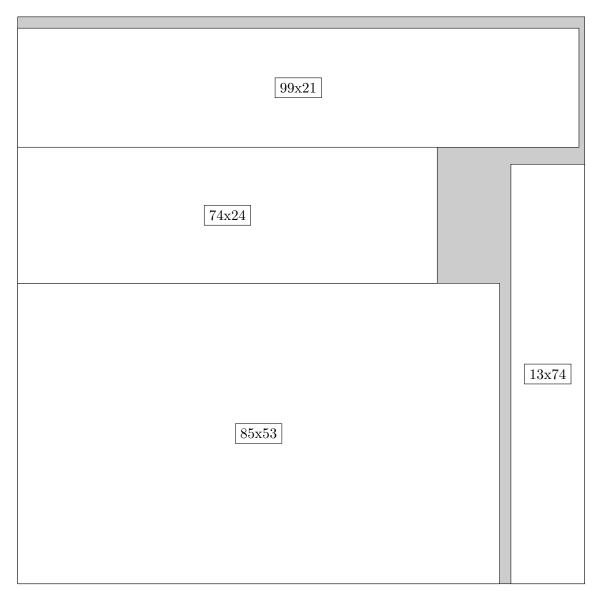
$$\le =86$$
 , h =23 , x =0 , y =57 , v =1978

$$\le =14$$
 , h =44 , x =86 , y =0 , v =616

$$w$$
 =12 , h =44 , x =88 , y =44 , v =528



 $\begin{array}{l} w = \!\!62 \ , \ h = \!\!77 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!4774 \\ w = \!\!32 \ , \ h = \!\!77 \ , \ x = \!\!62 \ , \ y = \!\!0 \ , \ v = \!\!2464 \\ w = \!\!6 \ , \ h = \!\!40 \ , \ x = \!\!94 \ , \ y = \!\!0 \ , \ v = \!\!240 \end{array}$ 

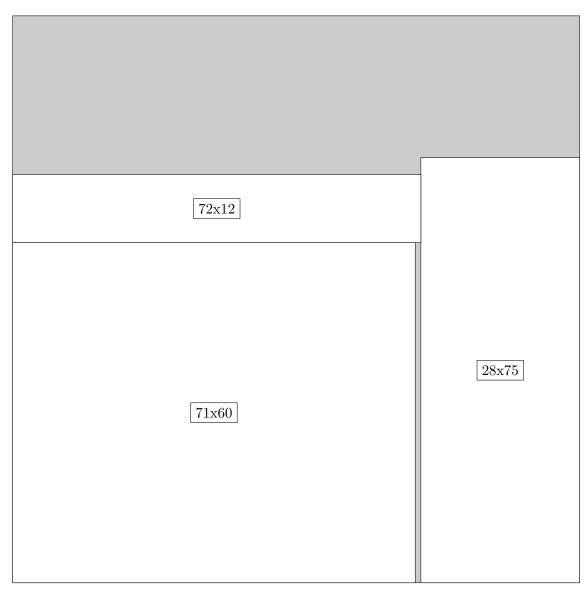


$$\le 85$$
 ,  $h=53$  ,  $x=0$  ,  $y=0$  ,  $v=4505$ 

$$w = 99$$
,  $h = 21$ ,  $x = 0$ ,  $y = 77$ ,  $v = 2079$ 

$$\le =74$$
 , h =24 , x =0 , y =53 , v =1776

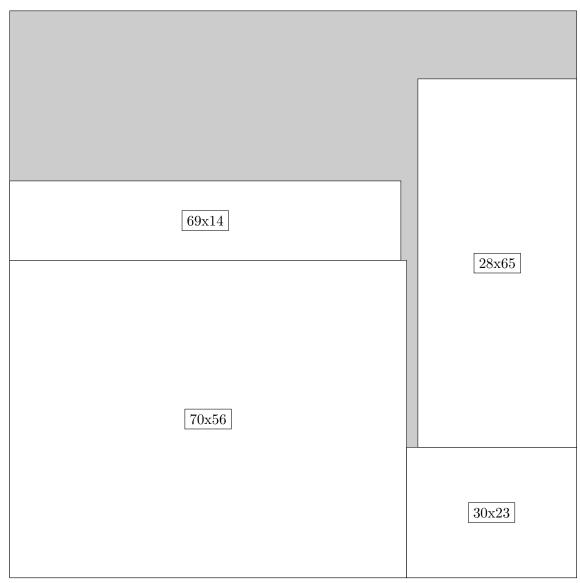
$$\le =13$$
 ,  $h$  =74 ,  $x$  =87 ,  $y$  =0 ,  $v$  =962



$$w = 71$$
,  $h = 60$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4260$ 

$$\le =28$$
 , h =75 , x =72 , y =0 , v =2100

$$w$$
 =72 ,  $h$  =12 ,  $x$  =0 ,  $y$  =60 ,  $v$  =864

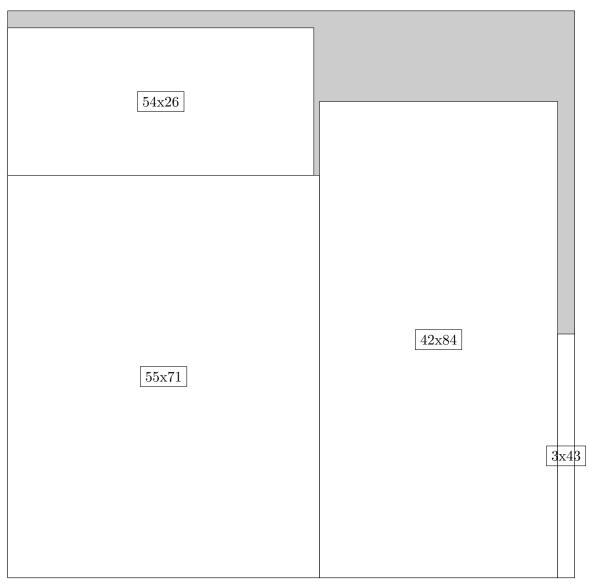


$$\le =70$$
 , h =  
56 , x =  
0 , y =  
0 , v =  
3920

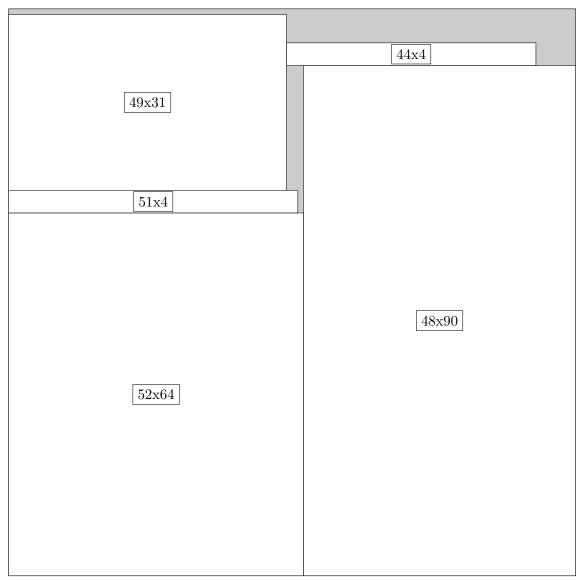
$$\le =28$$
 , h =65 , x =72 , y =23 , v =1820

$$\le =69$$
 , h =14 , x =0 , y =  
56 , v =966

$$\le =30$$
 ,  $h$  =23 ,  $x$  =70 ,  $y$  =0 ,  $v$  =690



$$\begin{array}{l} w = \!\!55 \ , \ h = \!\!71 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!3905 \\ w = \!\!42 \ , \ h = \!\!84 \ , \ x = \!\!55 \ , \ y = \!\!0 \ , \ v = \!\!3528 \\ w = \!\!54 \ , \ h = \!\!26 \ , \ x = \!\!0 \ , \ y = \!\!71 \ , \ v = \!\!1404 \\ w = \!\!3 \ , \ h = \!\!43 \ , \ x = \!\!97 \ , \ y = \!\!0 \ , \ v = \!\!129 \end{array}$$



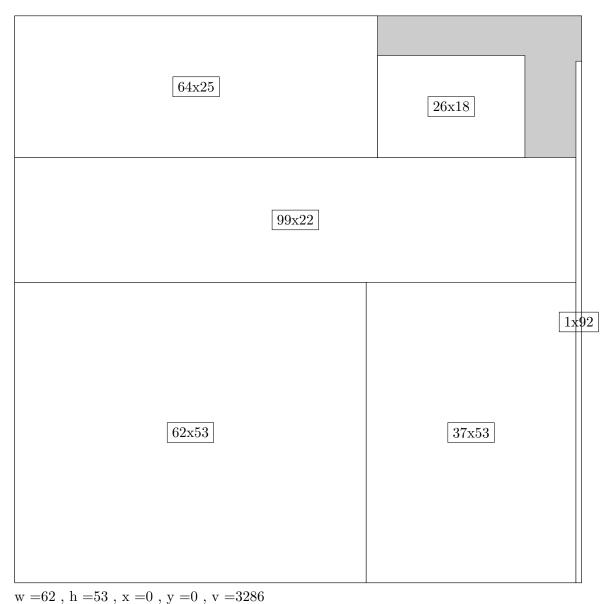
$$\mathbf{w}$$
 =48 , h =90 , x =52 , y =0 , v =4320

$$\le 52$$
 , h =64 , x =0 , y =0 , v =3328

$$\le =49$$
 , h =31 , x =0 , y =68 , v =1519

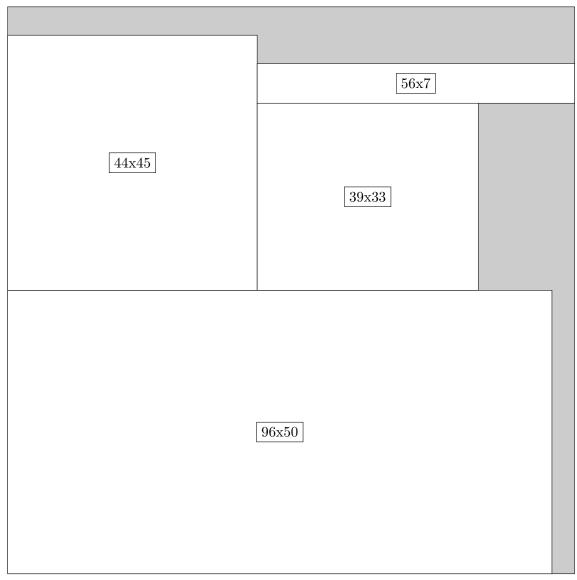
$$\mathbf{w}$$
 =51 , h =4 , x =0 , y =64 , v =204

$$\mathbf{w}$$
 =44 , h =4 , x =49 , y =90 , v =176



$$w = 64$$
,  $h = 25$ ,  $x = 0$ ,  $y = 75$ ,  $v = 1600$ 

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

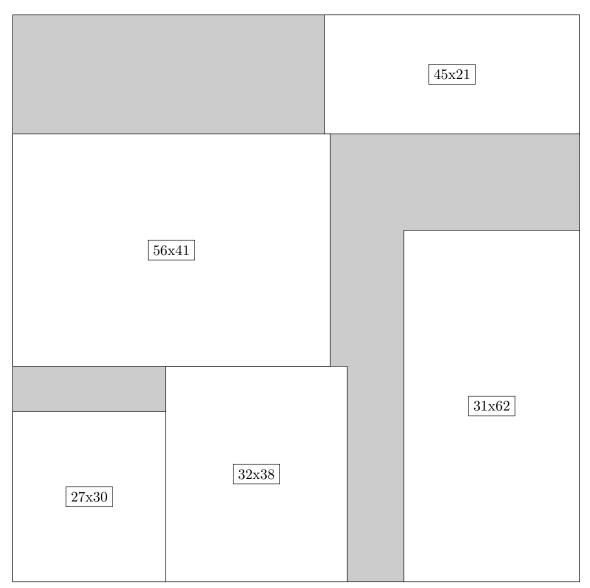


$$\le =96$$
 ,  $h=\!50$  ,  $x=\!0$  ,  $y=\!0$  ,  $v=\!4800$ 

$$\le =44$$
 , h =45 , x =0 , y =50 , v =1980

$$\le =39$$
 , h =33 , x =44 , y =50 , v =1287

$$w$$
 =56 , h =7 , x =44 , y =83 , v =392



$$w = 27$$
,  $h = 30$ ,  $x = 0$ ,  $y = 0$ ,  $v = 810$ 

$$w=\!31$$
 ,  $h=\!62$  ,  $x=\!69$  ,  $y=\!0$  ,  $v=\!1922$ 

$$\le =32$$
 , h =38 , x =27 , y =0 , v =1216

$$w$$
 =45 , h =21 , x =55 , y =79 , v =945

$$w = 56$$
,  $h = 41$ ,  $x = 0$ ,  $y = 38$ ,  $v = 2296$