$ClassName: {\bf Class_05.2bp-21}$

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: <u>17</u> LBWithCut: <u>17</u> NodeCut: <u>0</u>

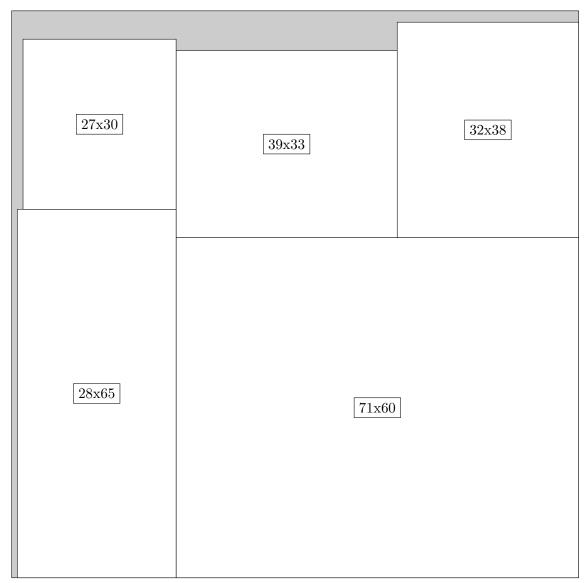
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{17}}$ 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



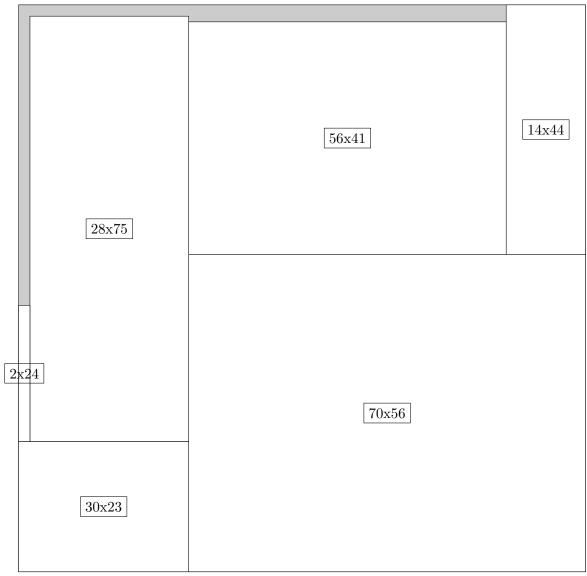
$$w = 71$$
, $h = 60$, $x = 29$, $y = 0$, $v = 4260$

$$\le =32$$
 , h =38 , x =68 , y =60 , v =1216

$$\le =39$$
 , h =33 , x =29 , y =60 , v =1287

$$\le =28$$
 , h =65 , x =1 , y =0 , v =1820

$$w=\!27$$
 , $h=\!30$, $x=\!2$, $y=\!65$, $v=\!810$



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

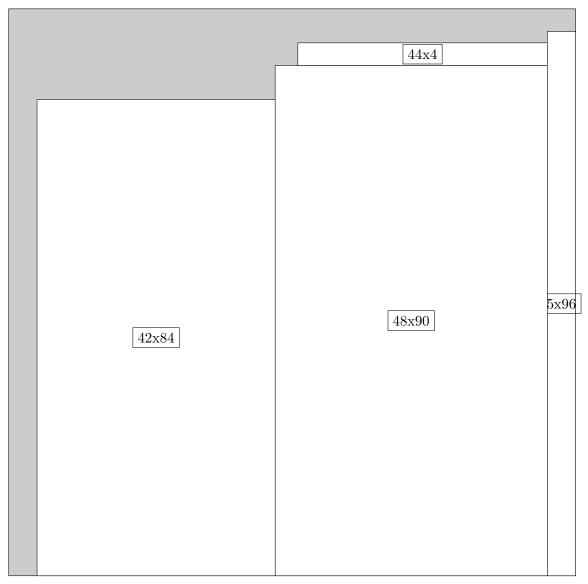
$$w = 14$$
, $h = 44$, $x = 86$, $y = 56$, $v = 616$

$$w=\!56$$
 , $h=\!41$, $x=\!30$, $y=\!56$, $v=\!2296$

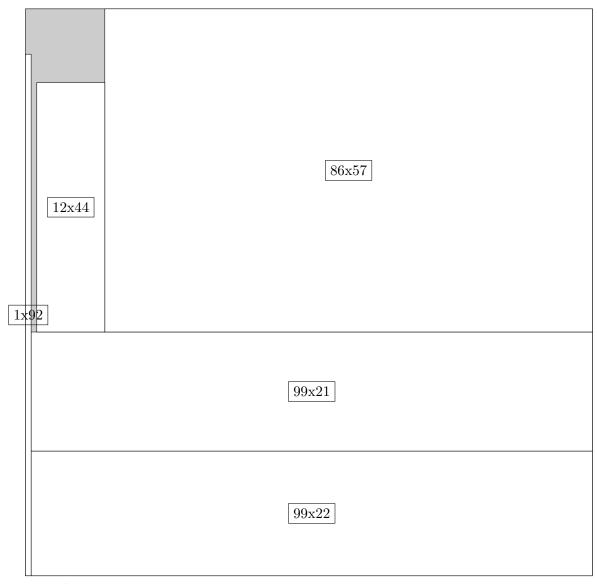
$$\le =30$$
 , h =23 , x =0 , y =0 , v =690

$$\le =28$$
 , h =75 , x =2 , y =23 , v =2100

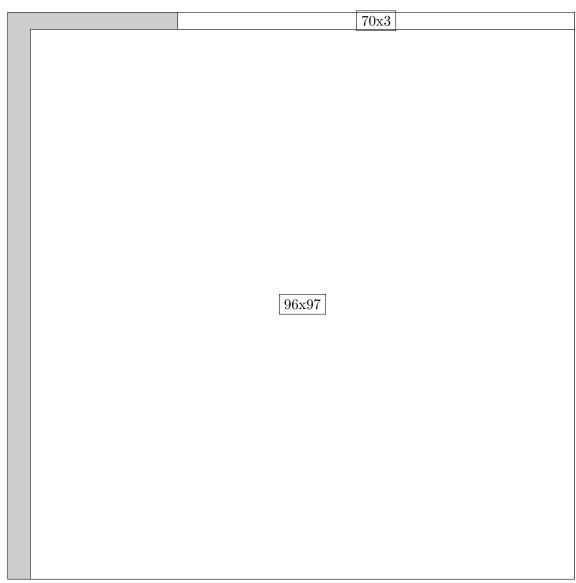
$$w = 2$$
, $h = 24$, $x = 0$, $y = 23$, $v = 48$



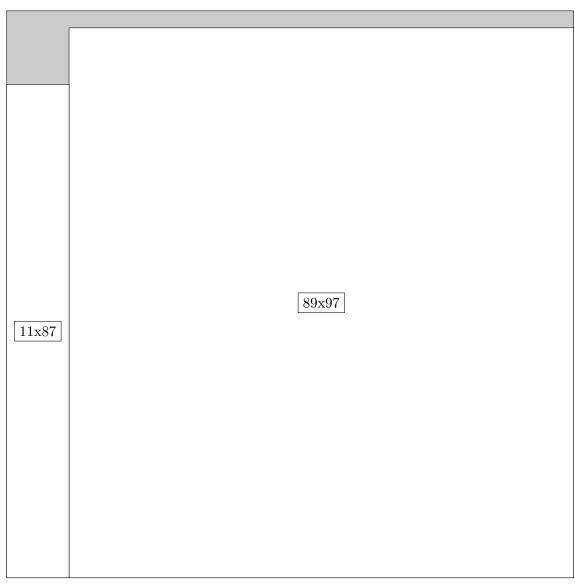
 $\begin{array}{l} w=5 \ , \ h=96 \ , \ x=95 \ , \ y=0 \ , \ v=480 \\ w=48 \ , \ h=90 \ , \ x=47 \ , \ y=0 \ , \ v=4320 \\ w=44 \ , \ h=4 \ , \ x=51 \ , \ y=90 \ , \ v=176 \\ w=42 \ , \ h=84 \ , \ x=5 \ , \ y=0 \ , \ v=3528 \end{array}$



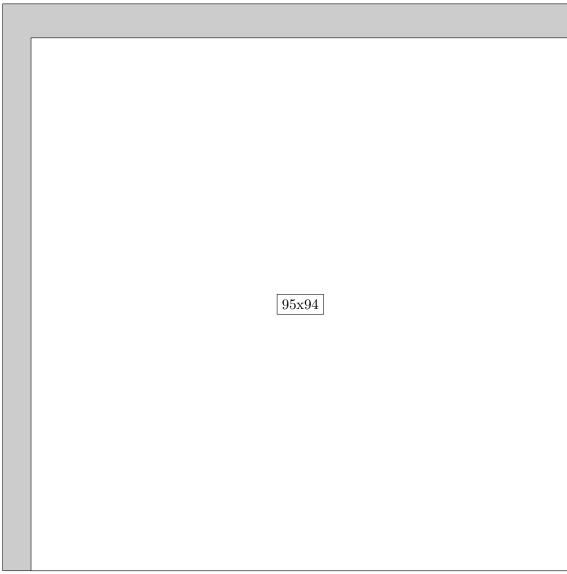
$$\begin{array}{l} w = 99 \ , \, h = 22 \ , \, x = 1 \ , \, y = 0 \ , \, v = 2178 \\ w = 99 \ , \, h = 21 \ , \, x = 1 \ , \, y = 22 \ , \, v = 2079 \\ w = 86 \ , \, h = 57 \ , \, x = 14 \ , \, y = 43 \ , \, v = 4902 \\ w = 12 \ , \, h = 44 \ , \, x = 2 \ , \, y = 43 \ , \, v = 528 \\ w = 1 \ , \, h = 92 \ , \, x = 0 \ , \, y = 0 \ , \, v = 92 \end{array}$$



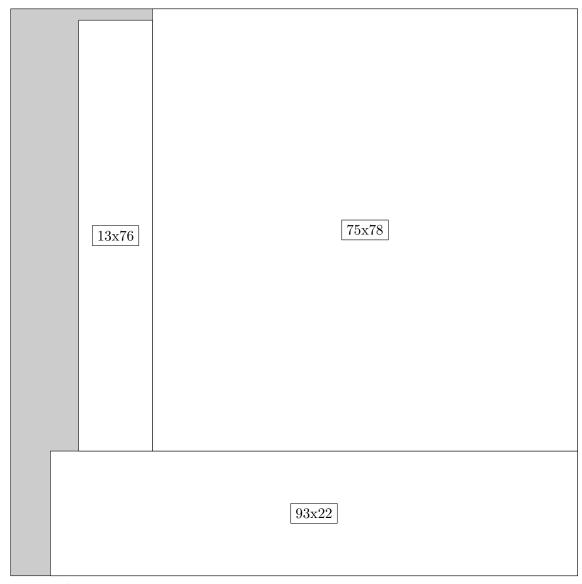
 $\begin{array}{l} w = \! 96 \ , \, h = \! 97 \ , \, x = \! 4 \ , \, y = \! 0 \ , \, v = \! 9312 \\ w = \! 70 \ , \, h = \! 3 \ , \, x = \! 30 \ , \, y = \! 97 \ , \, v = \! 210 \end{array}$



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



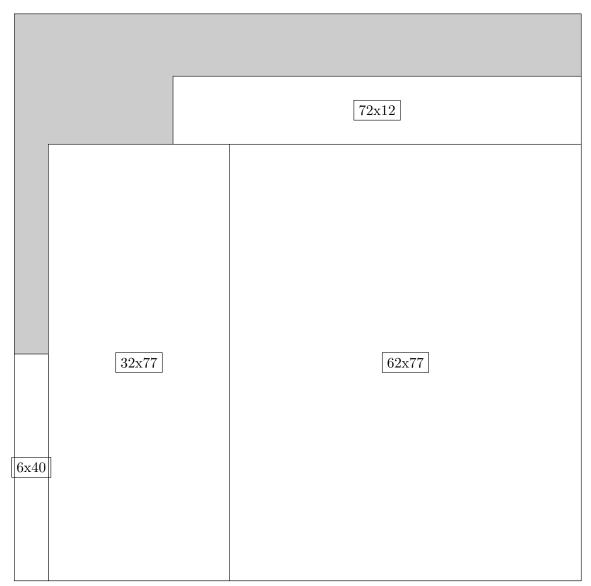
w =95 , h =94 , x =5 , y =0 , v =8930



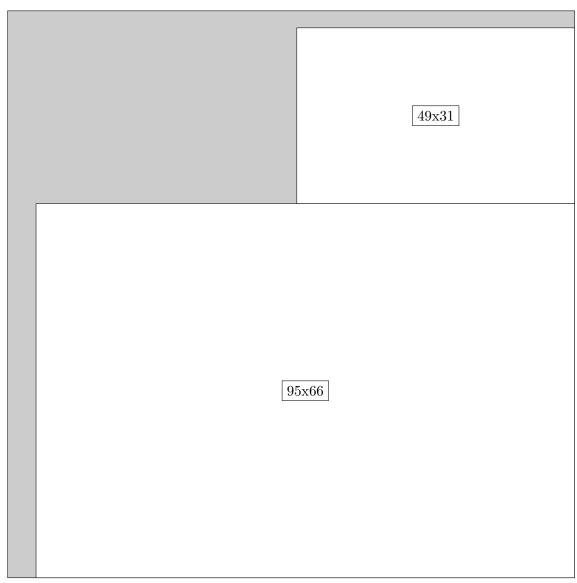
$$\le =93$$
 , h =22 , x =7 , y =0 , v =2046

$$w$$
 =75 , h =78 , x =25 , y =22 , v =5850

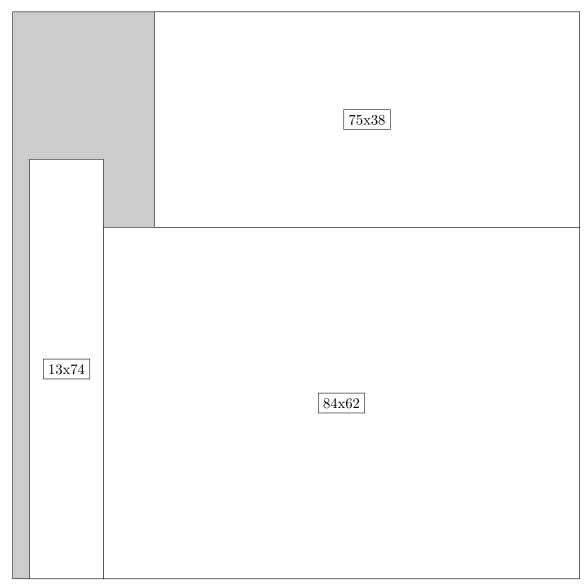
$$\le =13$$
 , h =
76 , x =
12 , y =
22 , v =
988



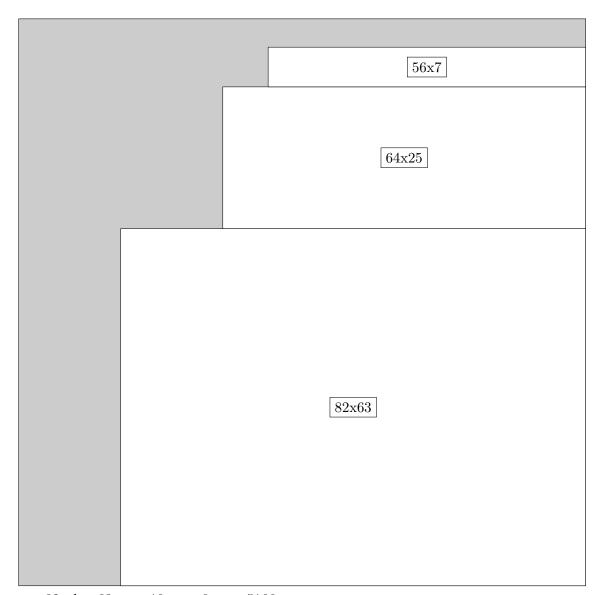
$$\begin{array}{l} w = 62 \; , \; h = 77 \; , \; x = 38 \; , \; y = 0 \; , \; v = 4774 \\ w = 32 \; , \; h = 77 \; , \; x = 6 \; , \; y = 0 \; , \; v = 2464 \\ w = 6 \; , \; h = 40 \; , \; x = 0 \; , \; y = 0 \; , \; v = 240 \\ w = 72 \; , \; h = 12 \; , \; x = 28 \; , \; y = 77 \; , \; v = 864 \end{array}$$



$$\begin{array}{l} w = \! 95 \ , \ h = \! 66 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 6270 \\ w = \! 49 \ , \ h = \! 31 \ , \ x = \! 51 \ , \ y = \! 66 \ , \ v = \! 1519 \end{array}$$



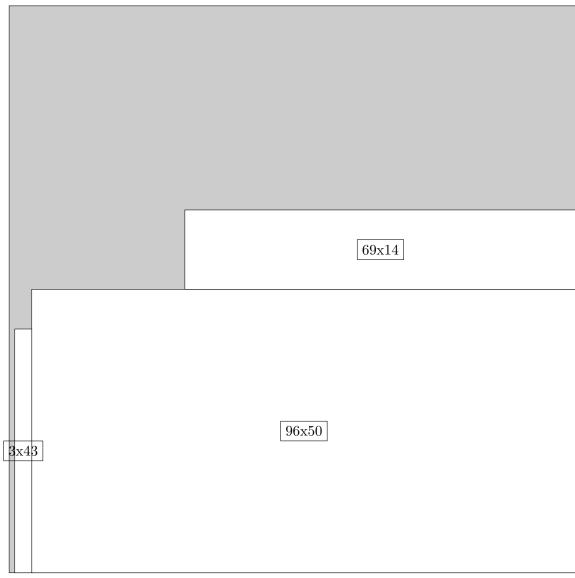
$$\begin{array}{l} w = \! 84 \; , \; h = \! 62 \; , \; x = \! 16 \; , \; y = \! 0 \; , \; v = \! 5208 \\ w = \! 75 \; , \; h = \! 38 \; , \; x = \! 25 \; , \; y = \! 62 \; , \; v = \! 2850 \\ w = \! 13 \; , \; h = \! 74 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 962 \end{array}$$



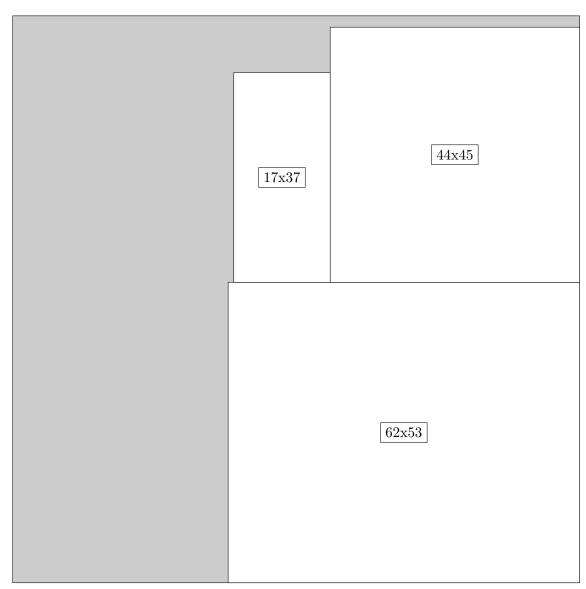
$$\le =82$$
 , h =63 , x =18 , y =0 , v =5166

$$\le =64$$
 , $h=25$, $x=36$, $y=63$, $v=1600$

$$\le =56$$
 , h =7 , x =44 , y =88 , v =392



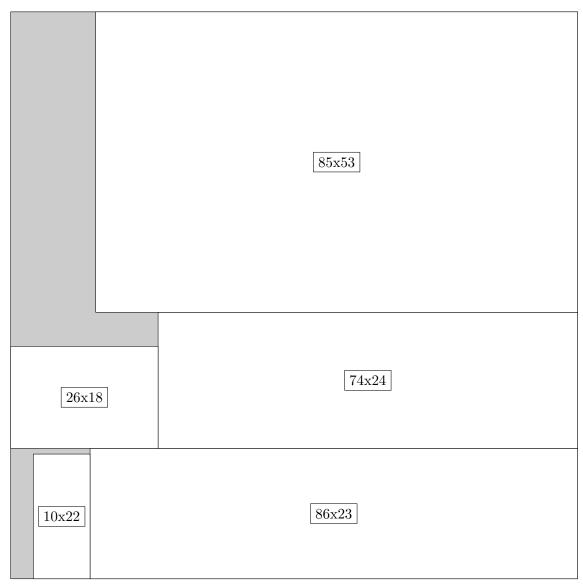
 $\begin{array}{l} w = \! 96 \ , \ h = \! 50 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 4800 \\ w = \! 3 \ , \ h = \! 43 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 129 \\ w = \! 69 \ , \ h = \! 14 \ , \ x = \! 31 \ , \ y = \! 50 \ , \ v = \! 966 \end{array}$



$$\le =62$$
 , h =53 , x =38 , y =0 , v =3286

$$\le =44$$
 , h =45 , x =56 , y =53 , v =1980

$$\le =17$$
 , h =37 , x =39 , y =53 , v =629



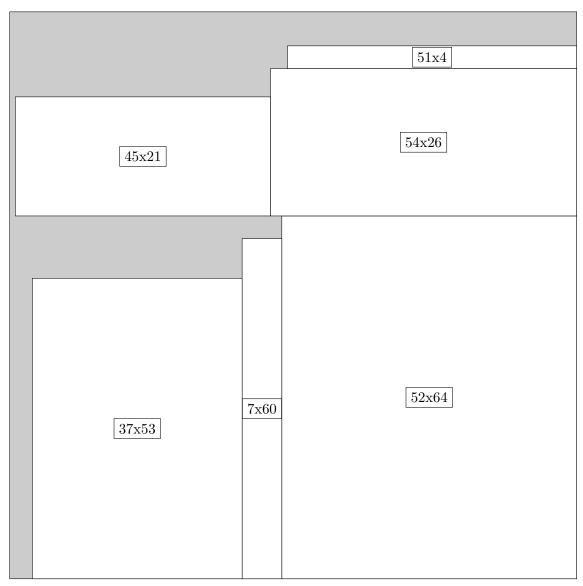
$$w = 86$$
, $h = 23$, $x = 14$, $y = 0$, $v = 1978$

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

$$\le =74$$
 , h =24 , x =26 , y =23 , v =1776

$$\le =26$$
 , $h=18$, $x=0$, $y=23$, $v=468$

$$\le =85$$
 , h =53 , x =15 , y =47 , v =4505



$$w = 52$$
, $h = 64$, $x = 48$, $y = 0$, $v = 3328$

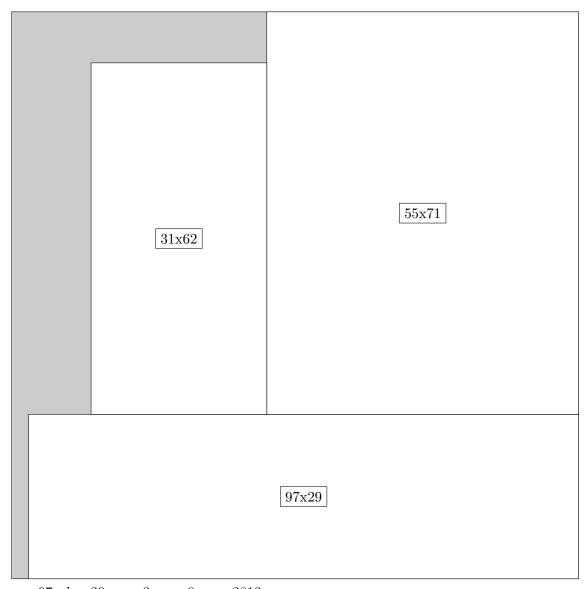
$$\mathbf{w}$$
 =7 , h =60 , x =41 , y =0 , v =420

$$\le =37$$
 , h =53 , x =4 , y =0 , v =1961

$$w$$
 =54 , h =26 , x =46 , y =64 , v =1404

$$w$$
 =51 , h =4 , x =49 , y =90 , v =204

$$\le =45$$
 , $h=21$, $x=1$, $y=64$, $v=945$



$$\begin{array}{l} w = \! 97 \; , \; h = \! 29 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 2813 \\ w = \! 55 \; , \; h = \! 71 \; , \; x = \! 45 \; , \; y = \! 29 \; , \; v = \! 3905 \end{array}$$

$$\le =31$$
 , $h=62$, $x=14$, $y=29$, $v=1922$