${\bf ClassName:}~{\bf Class_08.2bp\text{-}30}$

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: <u>0</u>

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

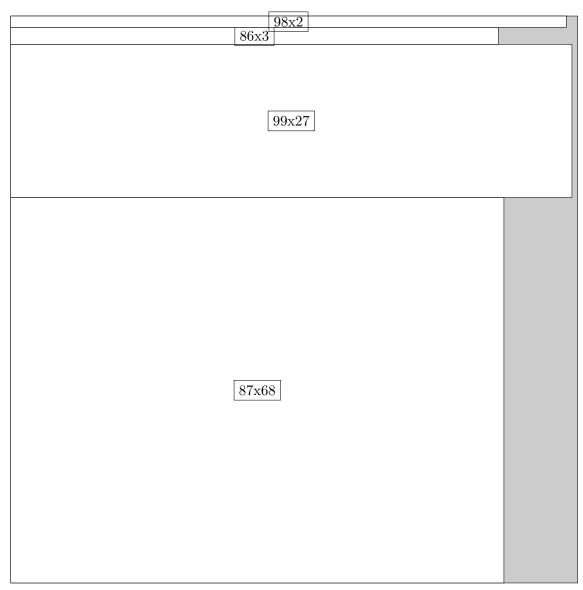
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{22}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: $\underline{\mathbf{true}}$

TimeOnInitSolution: $\underline{0.190 \text{ s}}$ TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{0.000 \text{ s}}$ TimeOnRmp: $\underline{0.079 \text{ s}}$ TotalTime: $\underline{0.331 \text{ s}}$



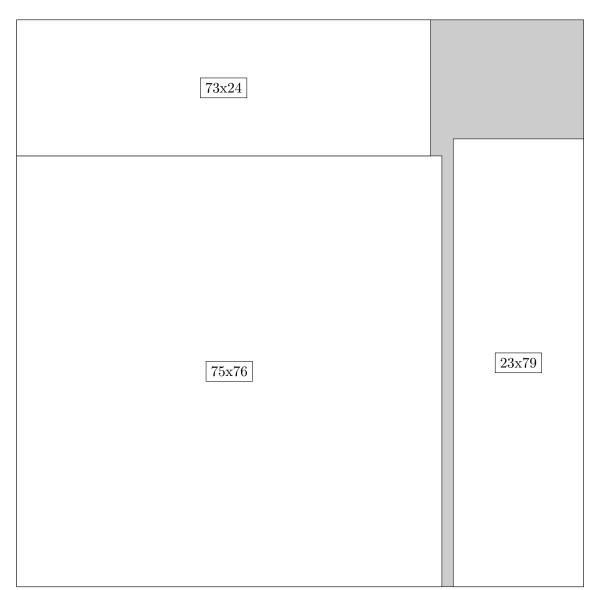
 $\le =89$, h =95 , x =0 , y =0 , v = 8455



$$\begin{array}{l} w = \! 87 \ , \ h = \! 68 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5916 \\ w = \! 99 \ , \ h = \! 27 \ , \ x = \! 0 \ , \ y = \! 68 \ , \ v = \! 2673 \end{array}$$

$$\le =86$$
 , h =3 , x =0 , y =95 , v =258

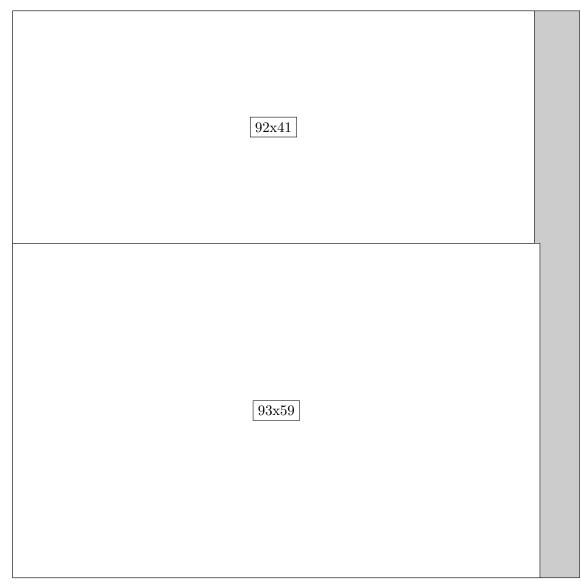
$$\le =98$$
 , h =2 , x =0 , y =98 , v =196



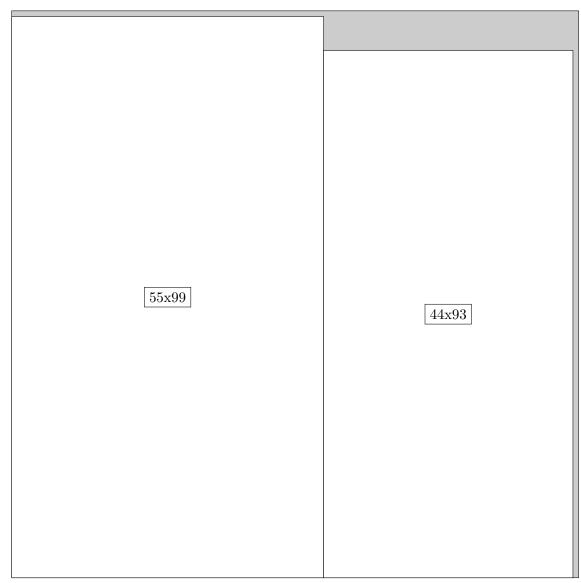
$$\le -75$$
 , h =
76 , x =
0 , y =
0 , v =
5700

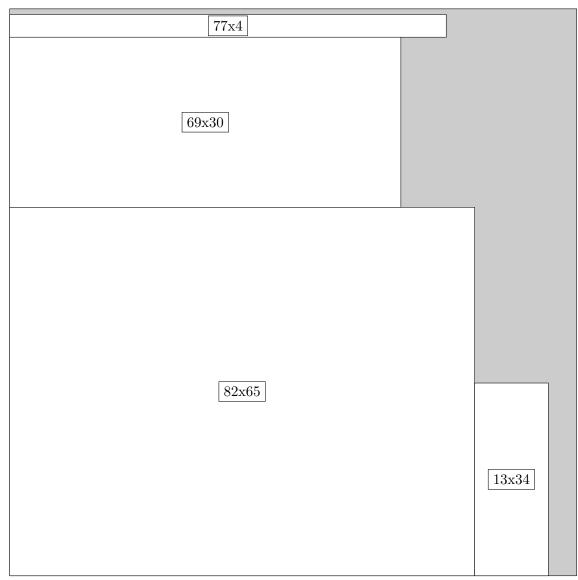
$$\le =23$$
 , h =79 , x =77 , y =0 , v =1817

$$\le =73$$
 , h =24 , x =0 , y =76 , v =1752



$$\begin{array}{c} w = 93 \; , \; h = 59 \; , \; x = 0 \; , \; y = 0 \; , \; v = 5487 \\ w = 92 \; , \; h = 41 \; , \; x = 0 \; , \; y = 59 \; , \; v = 3772 \\ \end{array}$$



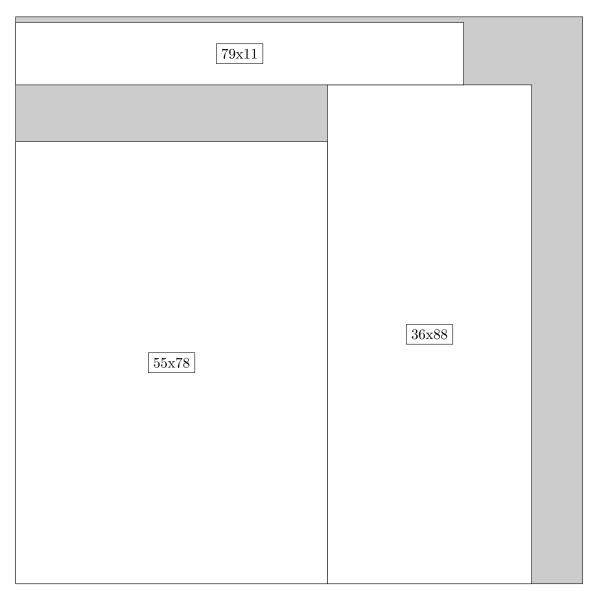


$$\le =82$$
 , $h=65$, $x=0$, $y=0$, $v=5330$

$$\le =69$$
 , h =30 , x =0 , y =65 , v =2070

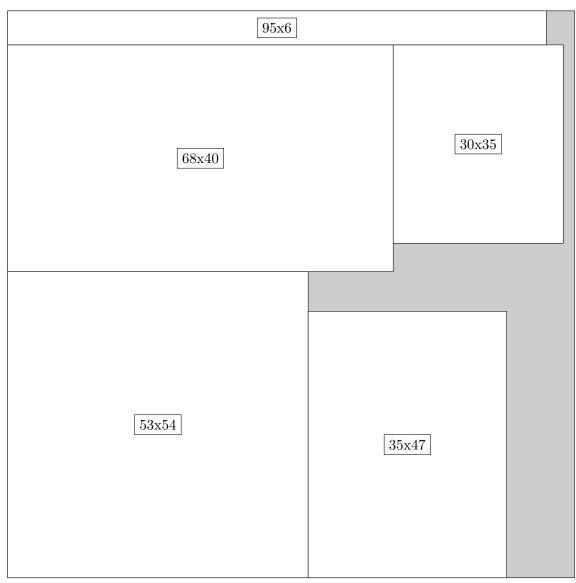
$$\le =13$$
 , h =34 , x =82 , y =0 , v =442

$$\le =77$$
 , h =4 , x =0 , y =95 , v =308



$$\begin{array}{l} w = \!\! 55 \ , \ h = \!\! 78 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4290 \\ w = \!\! 36 \ , \ h = \!\! 88 \ , \ x = \!\! 55 \ , \ y = \!\! 0 \ , \ v = \!\! 3168 \end{array}$$

$$w = 79$$
, $h = 11$, $x = 0$, $y = 88$, $v = 869$



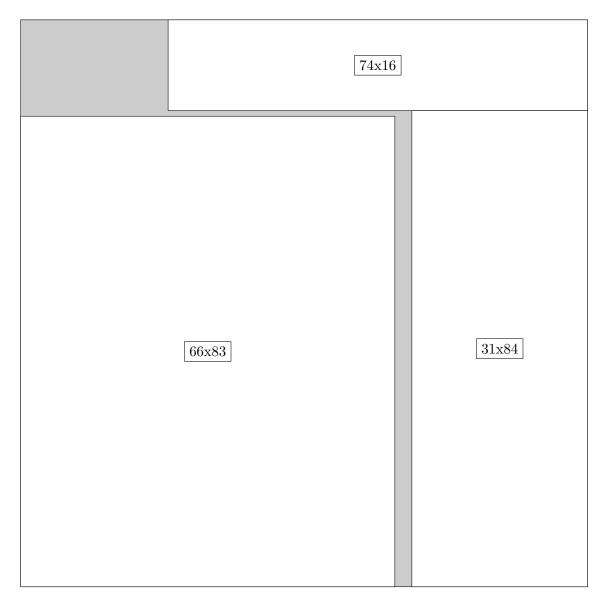
$$w = 53$$
, $h = 54$, $x = 0$, $y = 0$, $v = 2862$

$$\le =68$$
 , h =40 , x =0 , y =54 , v =2720

$$\le =35$$
 , $h=47$, $x=53$, $y=0$, $v=1645$

$$\le =30$$
 , h =35 , x =68 , y =59 , v =1050

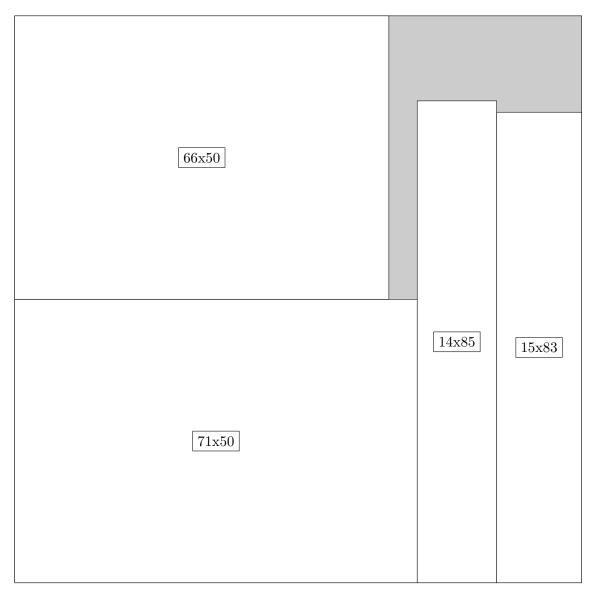
$$w = 95$$
, $h = 6$, $x = 0$, $y = 94$, $v = 570$



$$w = 66$$
, $h = 83$, $x = 0$, $y = 0$, $v = 5478$

$$\le =31$$
 , h =84 , x =69 , y =0 , v =2604

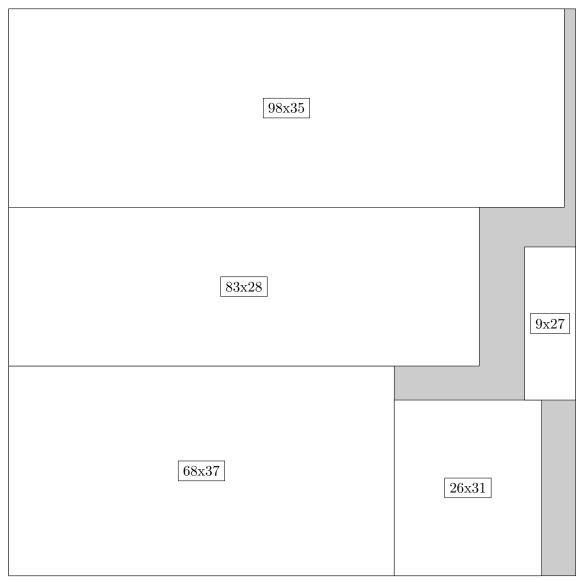
$$\le =74$$
 , h =16 , x =26 , y =84 , v =1184



$$\begin{array}{l} w = \! 71 \ , \ h = \! 50 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3550 \\ w = \! 66 \ , \ h = \! 50 \ , \ x = \! 0 \ , \ y = \! 50 \ , \ v = \! 3300 \end{array}$$

$$\le =15$$
 , h =83 , x =85 , y =0 , v =1245

$$\mathbf{w}$$
 =14 , h =85 , x =71 , y =0 , v =1190



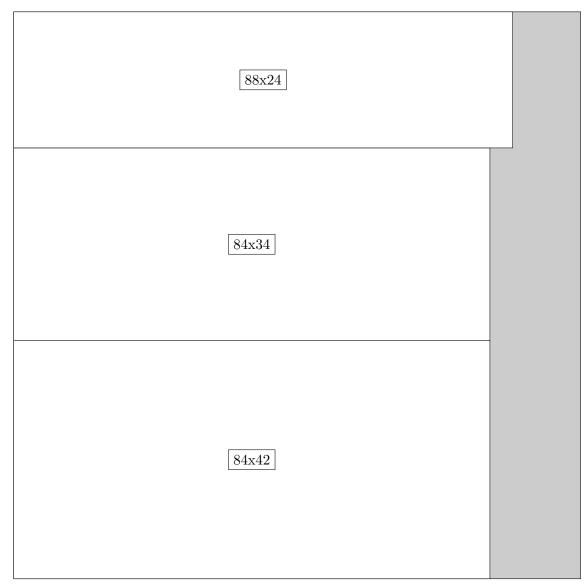
$$\le =98$$
 , h =35 , x =0 , y =65 , v =3430

$$\le =68$$
 , h =37 , x =0 , y =0 , v =2516

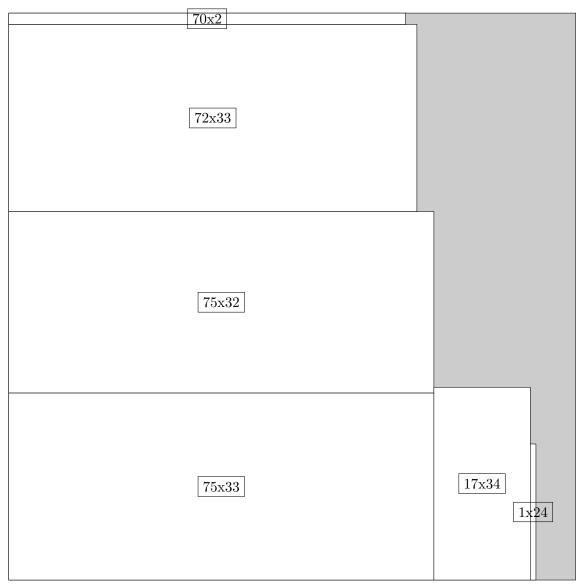
$$\le =83$$
 , h =28 , x =0 , y =37 , v =2324

$$\le =26$$
 , h =31 , x =68 , y =0 , v =806

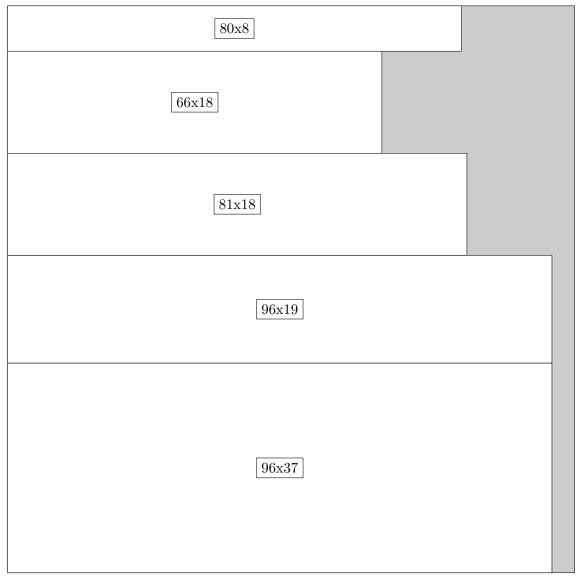
$$w$$
 =9 , h =27 , x =91 , y =31 , v =243



$$\begin{array}{l} w = \! 84 \; , \; h = \! 42 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3528 \\ w = \! 84 \; , \; h = \! 34 \; , \; x = \! 0 \; , \; y = \! 42 \; , \; v = \! 2856 \\ w = \! 88 \; , \; h = \! 24 \; , \; x = \! 0 \; , \; y = \! 76 \; , \; v = \! 2112 \end{array}$$



$$\begin{array}{l} w = 75 \; , \; h = 33 \; , \; x = 0 \; , \; y = 0 \; , \; v = 2475 \\ w = 75 \; , \; h = 32 \; , \; x = 0 \; , \; y = 33 \; , \; v = 2400 \\ w = 72 \; , \; h = 33 \; , \; x = 0 \; , \; y = 65 \; , \; v = 2376 \\ w = 17 \; , \; h = 34 \; , \; x = 75 \; , \; y = 0 \; , \; v = 578 \\ w = 70 \; , \; h = 2 \; , \; x = 0 \; , \; y = 98 \; , \; v = 140 \\ w = 1 \; , \; h = 24 \; , \; x = 92 \; , \; y = 0 \; , \; v = 24 \end{array}$$



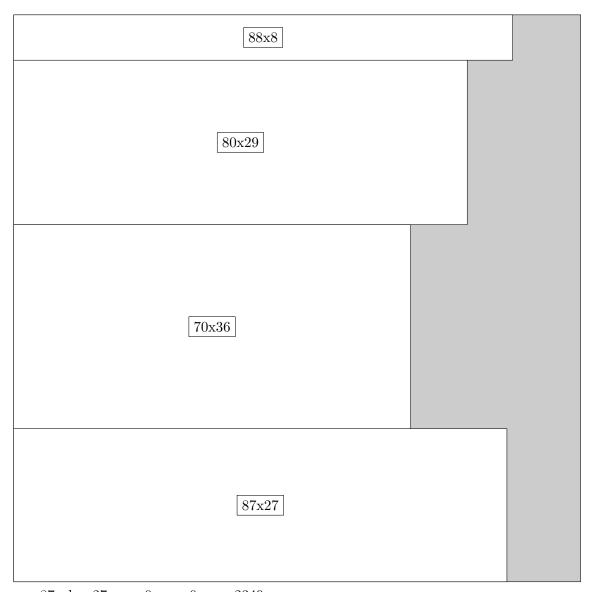
$$\le =96$$
 , $h=37$, $x=0$, $y=0$, $v=3552$

$$\le =96$$
 , h =19 , x =0 , y =37 , v =1824

$$\le =81$$
 , h =18 , x =0 , y =56 , v =1458

$$\mathbf{w}$$
 =66 , h =18 , x =0 , y =74 , v =1188

$$\le =80$$
 , $h=8$, $x=0$, $y=92$, $v=640$

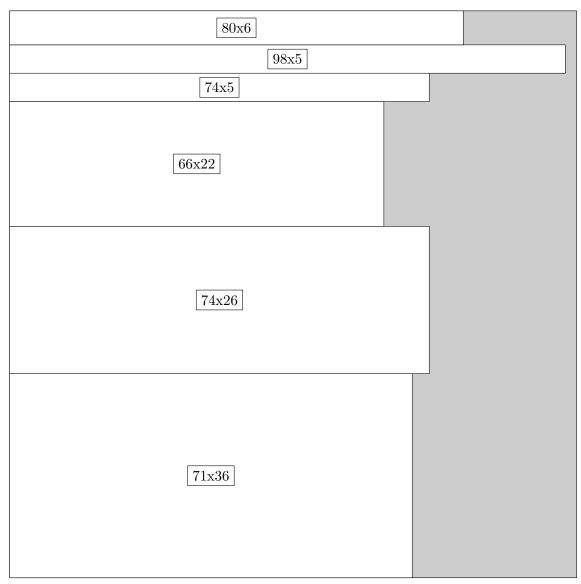


$$\le =87$$
 , h =27 , x =0 , y =0 , v =2349

$$\le =70$$
 , h =36 , x =0 , y =27 , v =2520

$$\le =80$$
 , h =29 , x =0 , y =63 , v =2320

$$\le =88$$
 , h =8 , x =0 , y =92 , v =704



$$w$$
 =71 , h =36 , x =0 , y =0 , v =2556

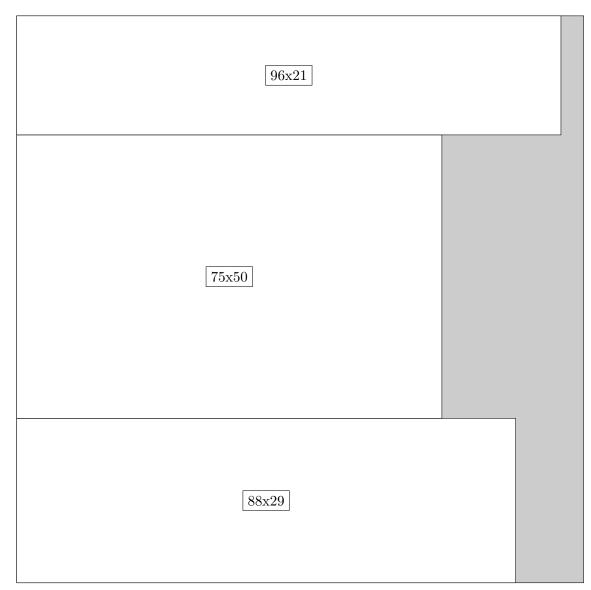
$$w = 74$$
, $h = 26$, $x = 0$, $y = 36$, $v = 1924$

$$\le =66$$
 , h =22 , x =0 , y =62 , v =1452

$$\le =74$$
 , h =5 , x =0 , y =84 , v =370

$$\le =98$$
 , $h=5$, $x=0$, $y=89$, $v=490$

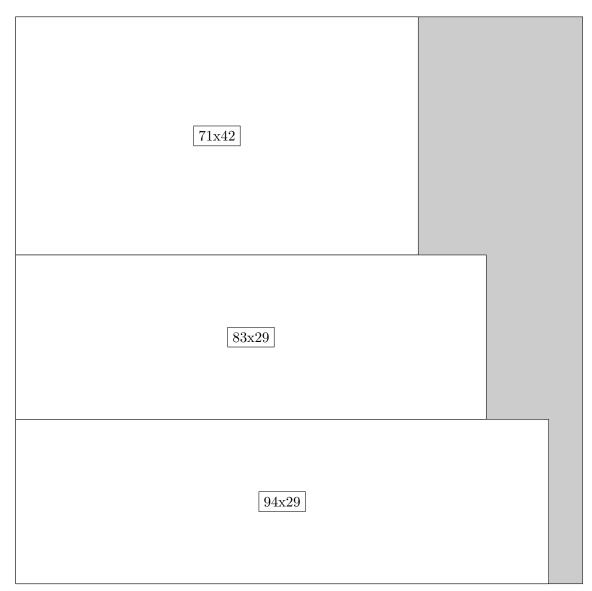
$$\le =80$$
 , $h=6$, $x=0$, $y=94$, $v=480$



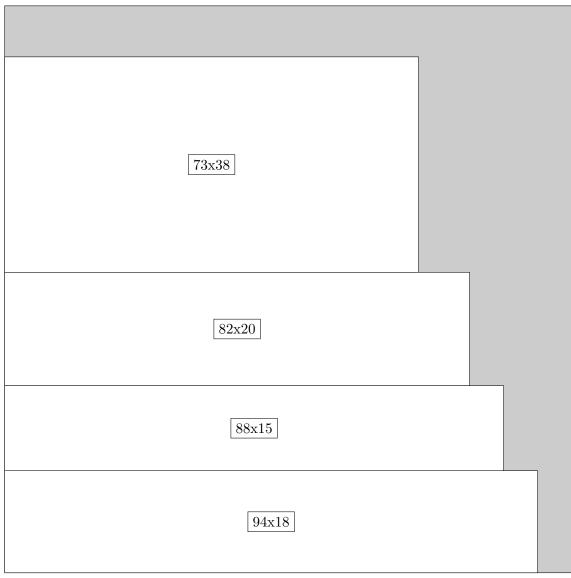
$$w = 88$$
, $h = 29$, $x = 0$, $y = 0$, $v = 2552$

$$\le =75$$
 , h =50 , x =0 , y =29 , v =3750

$$\le =96$$
 , h =21 , x =0 , y =79 , v =2016



$$\begin{array}{l} w = & 71 \ , \ h = & 42 \ , \ x = & 0 \ , \ y = & 58 \ , \ v = & 2982 \\ w = & 83 \ , \ h = & 29 \ , \ x = & 0 \ , \ y = & 29 \ , \ v = & 2407 \\ w = & 94 \ , \ h = & 29 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 2726 \end{array}$$

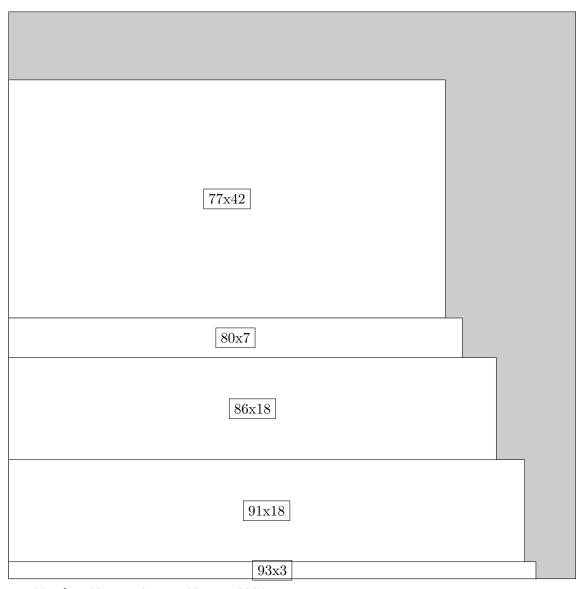


$$\le -73$$
 , h =38 , x =0 , y =53 , v =2774

$$\le =94$$
 , $h=18$, $x=0$, $y=0$, $v=1692$

$$\le =82$$
 , h =20 , x =0 , y =33 , v =1640

$$\le =88$$
 , h =15 , x =0 , y =18 , v =1320



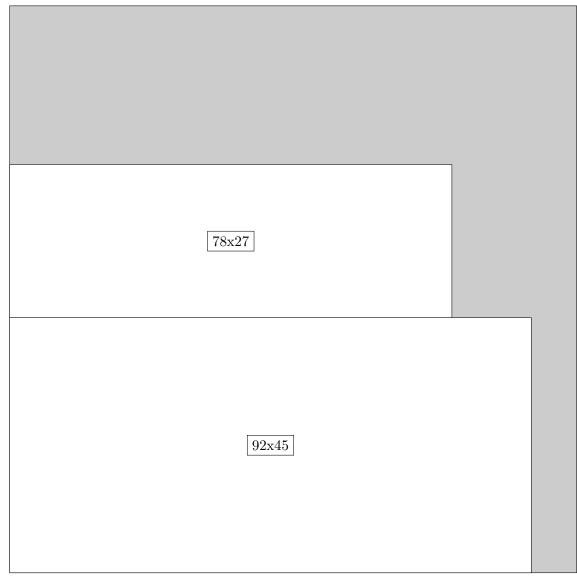
$$\le =77$$
 , h =42 , x =0 , y =46 , v =3234

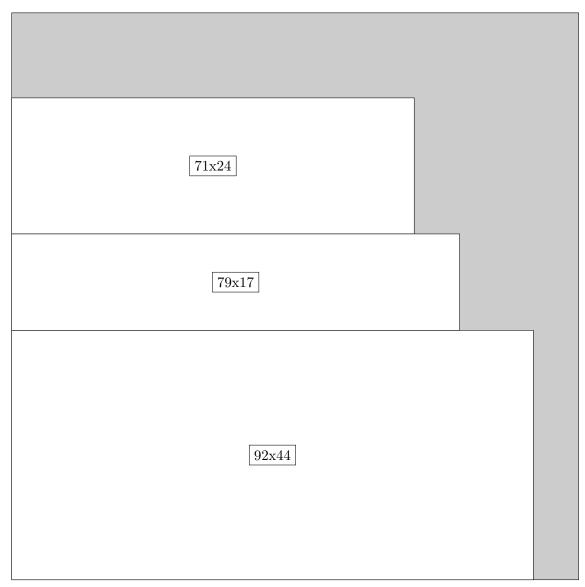
$$\le =91$$
 , h =18 , x =0 , y =3 , v =1638

$$\le =86$$
 , h =18 , x =0 , y =21 , v =1548

$$\le =80$$
 , h =7 , x =0 , y =39 , v =560

$$\le =93$$
 , h =3 , x =0 , y =0 , v =279





$$w$$
 =92 , h =44 , x =0 , y =0 , v =4048

$$w$$
 =71 , h =24 , x =0 , y =61 , v =1704

$$\le =79$$
 , h =17 , x =0 , y =44 , v =1343