${\it ClassName:}\ {\it Class_08.2bp-40}$

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

TypeNum: <u>99</u>
Num: <u>100</u>
OutS: <u>270000</u>
InS: <u>226929</u>
Rate: <u>0.840</u>
UB: <u>27</u>
LB0: <u>26</u>

LBWithCut: $\underline{27}$ NodeCut: $\underline{0}$

LB: **27**

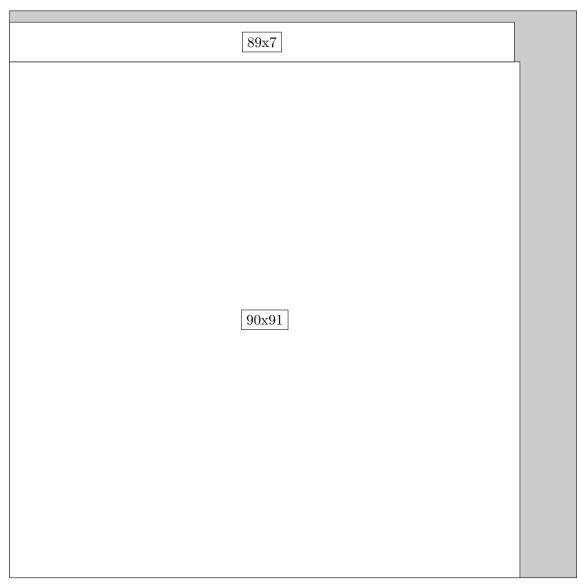
ExtendedNodeCnt: $\underline{\mathbf{1}}$

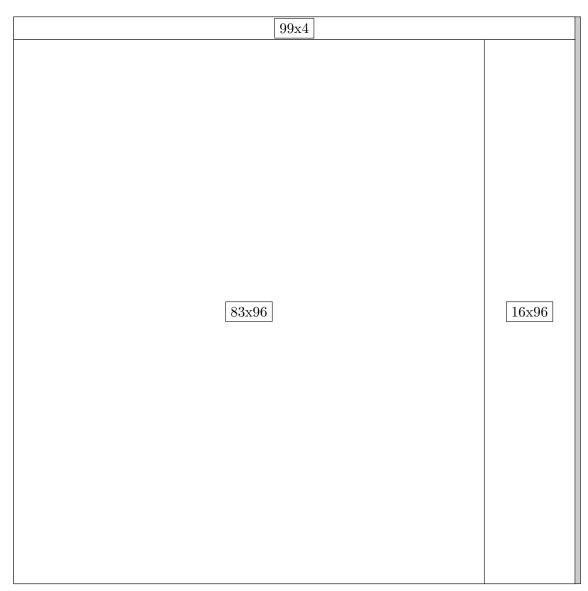
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{248}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{222}}$ PricingSolverCnt: $\underline{\mathbf{222}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

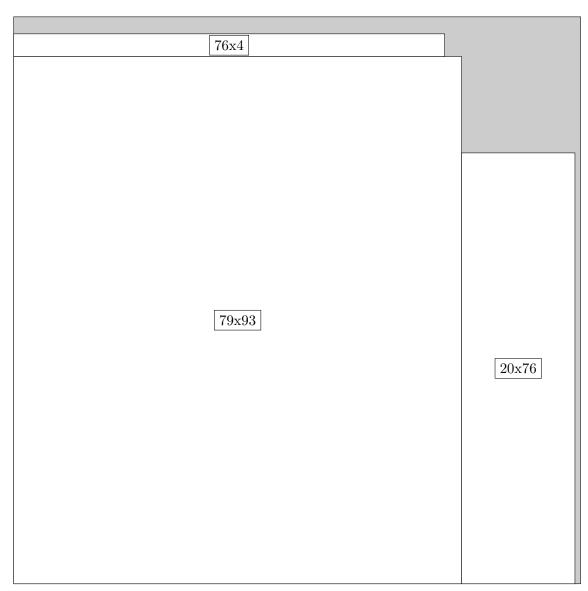
TimeOnInitSolution: $\underline{120.070 \text{ s}}$

TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{14.972 \text{ s}}$ TimeOnRmp: $\underline{0.149 \text{ s}}$ TotalTime: $\underline{135.378 \text{ s}}$



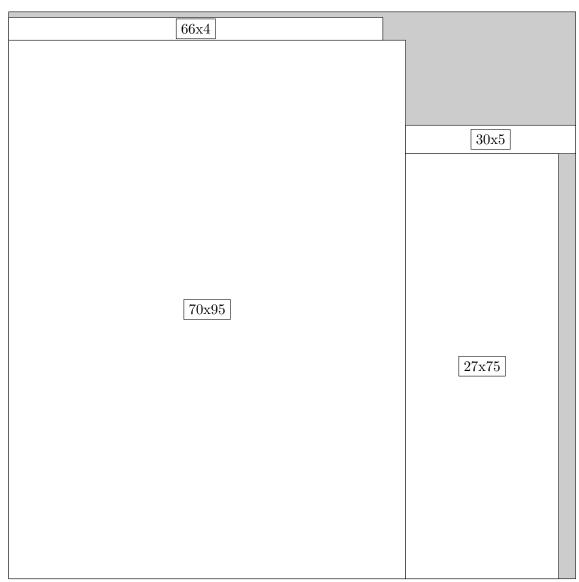


 $\begin{array}{l} w = \! 83 \ , \ h = \! 96 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7968 \\ w = \! 16 \ , \ h = \! 96 \ , \ x = \! 83 \ , \ y = \! 0 \ , \ v = \! 1536 \\ w = \! 99 \ , \ h = \! 4 \ , \ x = \! 0 \ , \ y = \! 96 \ , \ v = \! 396 \end{array}$



$$w$$
 =79 , h =93 , x =0 , y =0 , v =7347 w =20 , h =76 , x =79 , y =0 , v =1520

$$\mathbf{w}$$
 =76 , h =4 , x =0 , y =93 , v =304

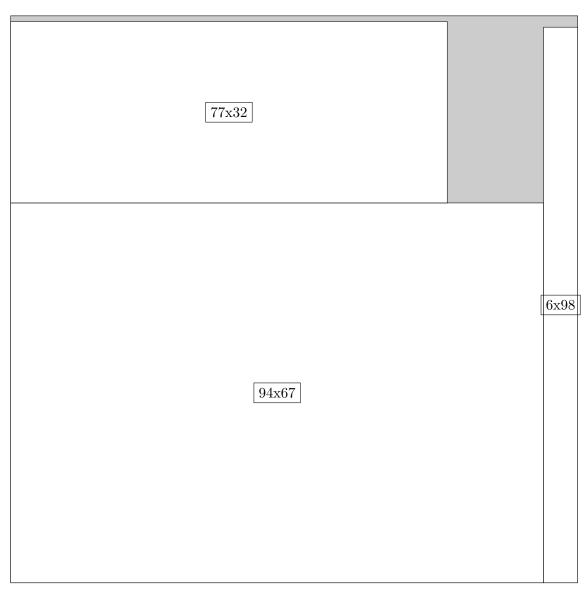


$$\le =70$$
 , h =95 , x =0 , y =0 , v =6650

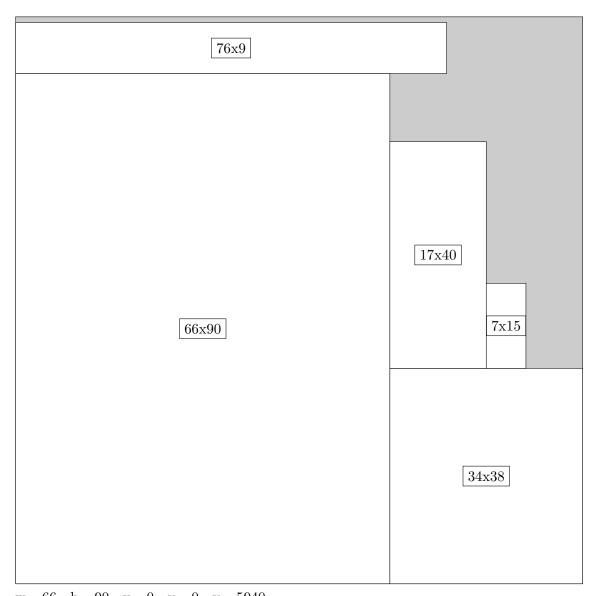
$$\le =27$$
 , h =75 , x =70 , y =0 , v =2025

$$\mathbf{w}$$
 =66 , h =4 , x =0 , y =95 , v =264

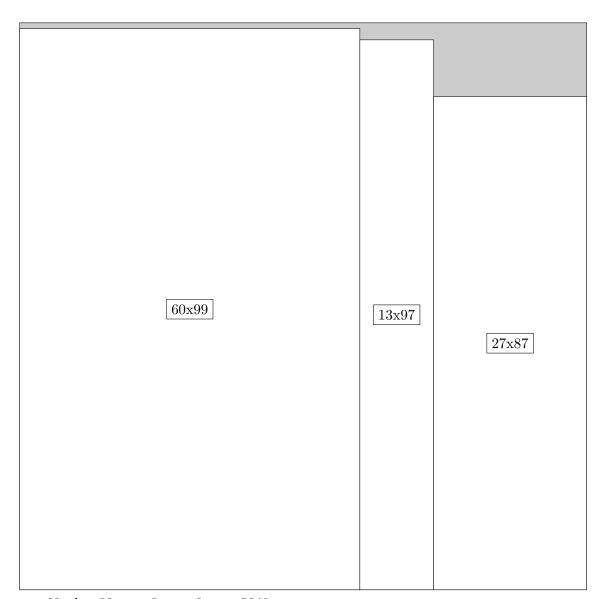
$$w$$
 =30 , h =5 , x =70 , y =75 , v =150



$$\begin{array}{l} w = \! 94 \; , \; h = \! 67 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 6298 \\ w = \! 77 \; , \; h = \! 32 \; , \; x = \! 0 \; , \; y = \! 67 \; , \; v = \! 2464 \\ w = \! 6 \; , \; h = \! 98 \; , \; x = \! 94 \; , \; y = \! 0 \; , \; v = \! 588 \end{array}$$

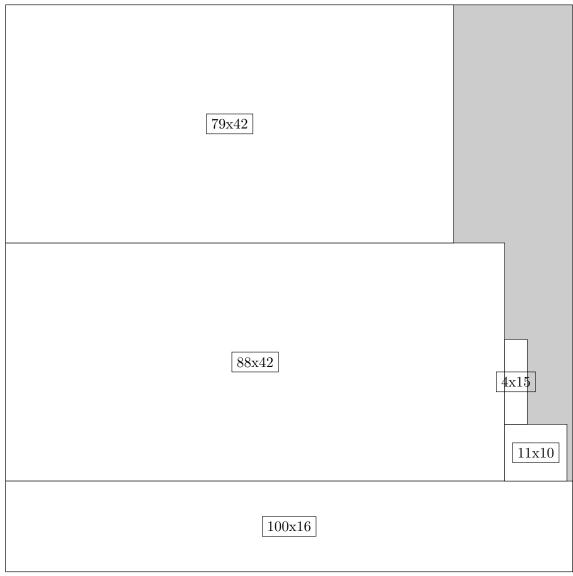


$$\begin{array}{l} w=66\;,\; h=90\;,\; x=0\;,\; y=0\;,\; v=5940\\ w=34\;,\; h=38\;,\; x=66\;,\; y=0\;,\; v=1292\\ w=76\;,\; h=9\;,\; x=0\;,\; y=90\;,\; v=684\\ w=17\;,\; h=40\;,\; x=66\;,\; y=38\;,\; v=680\\ w=7\;,\; h=15\;,\; x=83\;,\; y=38\;,\; v=105 \end{array}$$

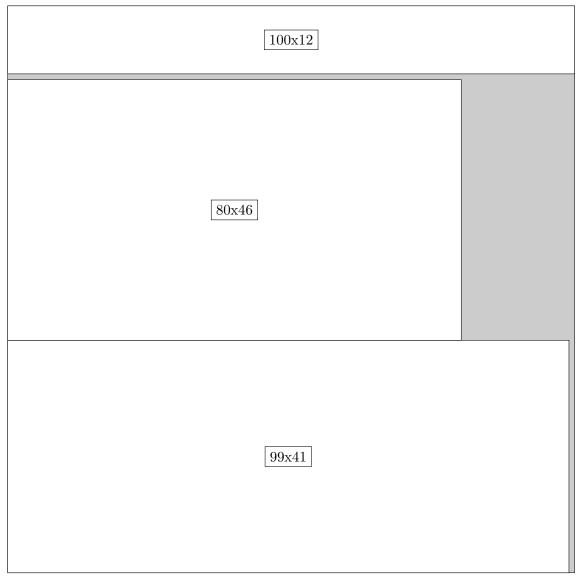


$$\begin{array}{l} w = \! 60 \ , \ h = \! 99 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5940 \\ w = \! 27 \ , \ h = \! 87 \ , \ x = \! 73 \ , \ y = \! 0 \ , \ v = \! 2349 \end{array}$$

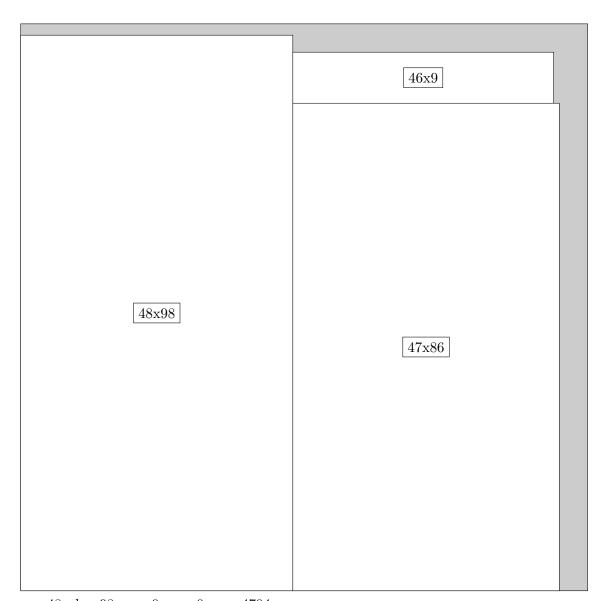
$$w = 27$$
, $h = 87$, $x = 73$, $y = 0$, $v = 2349$
 $w = 13$, $h = 97$, $x = 60$, $y = 0$, $v = 1261$



 $\begin{array}{l} w = \! 88 \;,\; h = \! 42 \;,\; x = \! 0 \;,\; y = \! 16 \;,\; v = \! 3696 \\ w = \! 79 \;,\; h = \! 42 \;,\; x = \! 0 \;,\; y = \! 58 \;,\; v = \! 3318 \\ w = \! 100 \;,\; h = \! 16 \;,\; x = \! 0 \;,\; y = \! 0 \;,\; v = \! 1600 \\ w = \! 11 \;,\; h = \! 10 \;,\; x = \! 88 \;,\; y = \! 16 \;,\; v = \! 110 \\ w = \! 4 \;,\; h = \! 15 \;,\; x = \! 88 \;,\; y = \! 26 \;,\; v = \! 60 \end{array}$



$$\begin{array}{l} w = 99 \; , \; h = \!\! 41 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4059 \\ w = \!\! 80 \; , \; h = \!\! 46 \; , \; x = \!\! 0 \; , \; y = \!\! 41 \; , \; v = \!\! 3680 \\ w = \!\! 100 \; , \; h = \!\! 12 \; , \; x = \!\! 0 \; , \; y = \!\! 88 \; , \; v = \!\! 1200 \end{array}$$

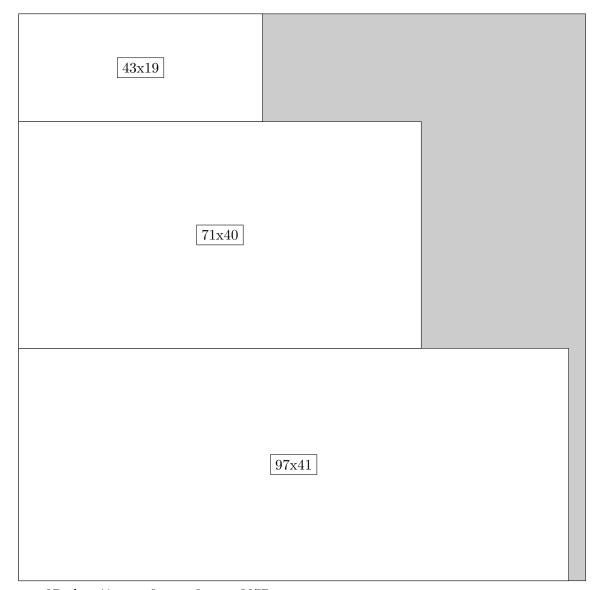


$$\begin{array}{l} w = \! 48 \; , \; h = \! 98 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4704 \\ w = \! 47 \; , \; h = \! 86 \; , \; x = \! 48 \; , \; y = \! 0 \; , \; v = \! 4042 \end{array}$$

$$\mathbf{w}$$
 =46 , h =9 , x =48 , y =86 , v =414



$$\begin{array}{c} w = \! 85 \; , \; h = \! 49 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4165 \\ w = \! 70 \; , \; h = \! 49 \; , \; x = \! 0 \; , \; y = \! 49 \; , \; v = \! 3430 \\ \end{array}$$



$$\le =97$$
 , h =41 , x =0 , y =0 , v =3977

$$\le =71$$
 , h =40 , x =0 , y =41 , v =2840

$$\le =43$$
 , h =19 , x =0 , y =81 , v =817

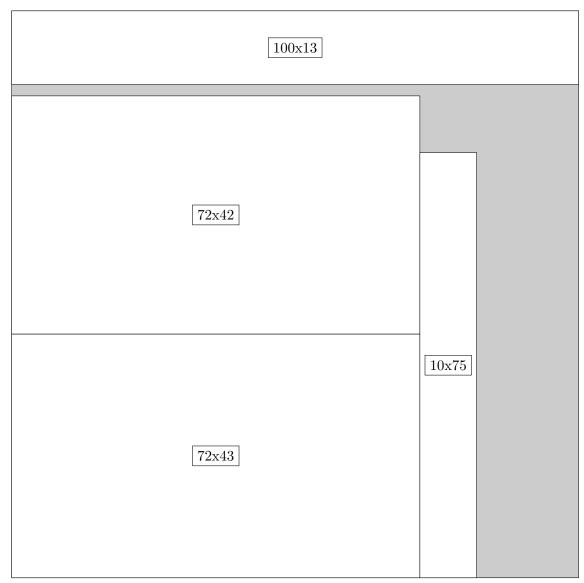


$$\le =99$$
 , h =46 , x =0 , y =0 , v =4554

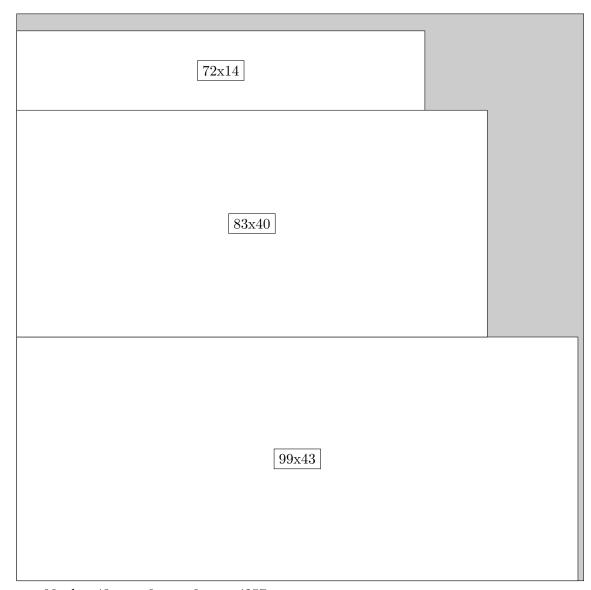
$$\le =86$$
 , h =41 , x =0 , y =46 , v =3526

$$\le =94$$
 , h =6 , x =0 , y =87 , v =
564

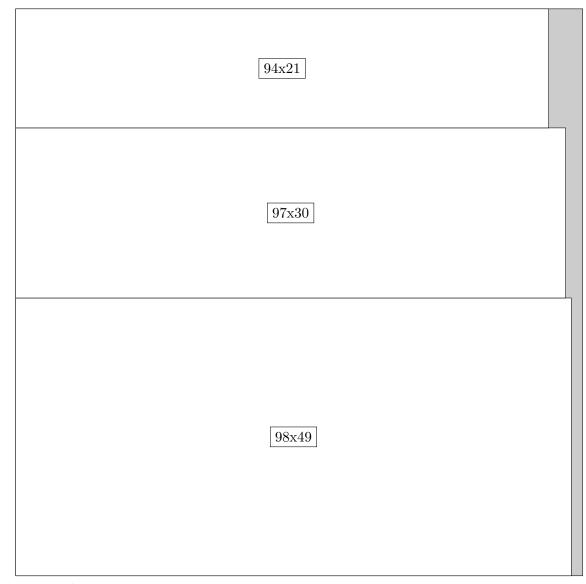
$$\le =66$$
 , $h=6$, $x=0$, $y=93$, $v=396$



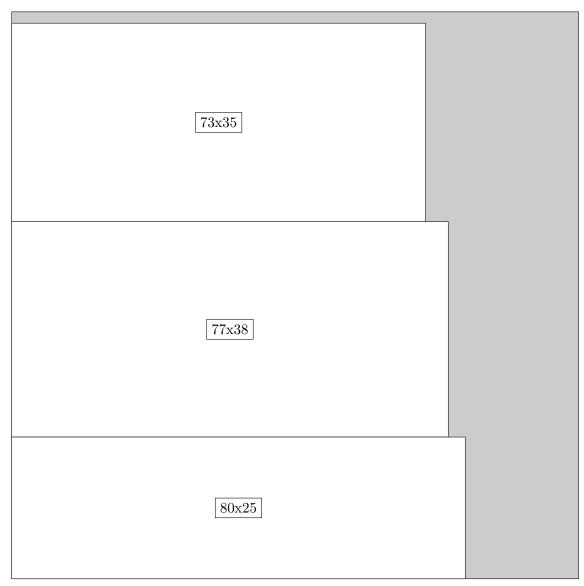
$$\begin{array}{l} w = 72 \ , \ h = \!\! 43 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3096 \\ w = \!\! 72 \ , \ h = \!\! 42 \ , \ x = \!\! 0 \ , \ y = \!\! 43 \ , \ v = \!\! 3024 \\ w = \!\! 100 \ , \ h = \!\! 13 \ , \ x = \!\! 0 \ , \ y = \!\! 87 \ , \ v = \!\! 1300 \\ w = \!\! 10 \ , \ h = \!\! 75 \ , \ x = \!\! 72 \ , \ y = \!\! 0 \ , \ v = \!\! 750 \end{array}$$



$$\begin{array}{l} w = 99 \ , \ h = 43 \ , \ x = 0 \ , \ y = 0 \ , \ v = 4257 \\ w = 83 \ , \ h = 40 \ , \ x = 0 \ , \ y = 43 \ , \ v = 3320 \\ w = 72 \ , \ h = 14 \ , \ x = 0 \ , \ y = 83 \ , \ v = 1008 \end{array}$$



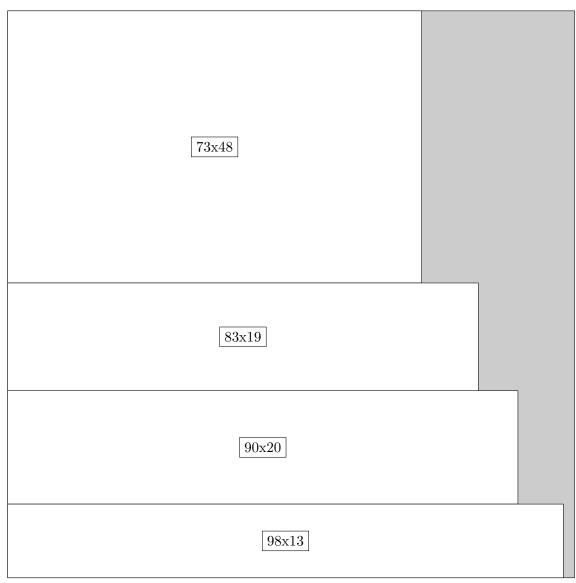
$$\begin{array}{l} w = \! 98 \ , \ h = \! 49 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4802 \\ w = \! 97 \ , \ h = \! 30 \ , \ x = \! 0 \ , \ y = \! 49 \ , \ v = \! 2910 \\ w = \! 94 \ , \ h = \! 21 \ , \ x = \! 0 \ , \ y = \! 79 \ , \ v = \! 1974 \end{array}$$



$$w = 77$$
, $h = 38$, $x = 0$, $y = 25$, $v = 2926$

$$\le =73$$
 , h =35 , x =0 , y =63 , v =2555

$$\le =80$$
 , h =25 , x =0 , y =0 , v =2000

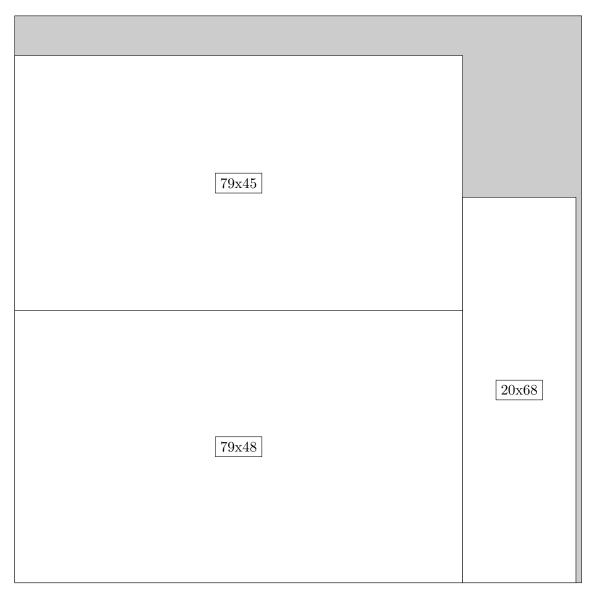


$$\le =73$$
 , h =48 , x =0 , y =52 , v =3504

$$\le =90$$
 , h =20 , x =0 , y =13 , v =1800

$$\le =83$$
 , h =19 , x =0 , y =33 , v =1577

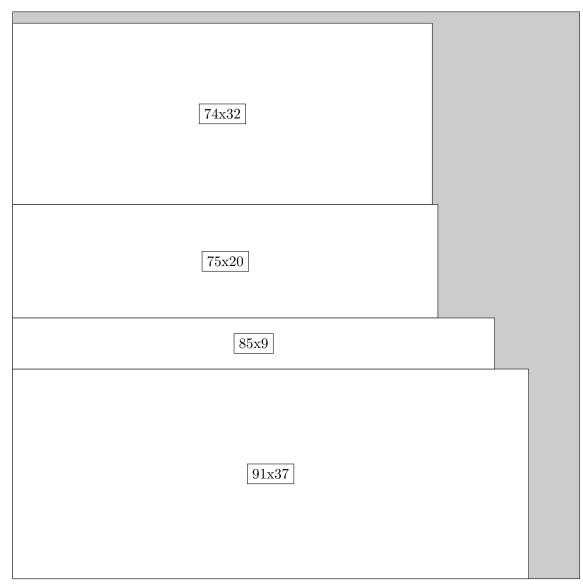
$$\le =98$$
 , h =13 , x =0 , y =0 , v =1274



$$w = 79$$
, $h = 48$, $x = 0$, $y = 0$, $v = 3792$

$$\le =79$$
 , h =45 , x =0 , y =48 , v =3555

$$\le =20$$
 , $h=68$, $x=79$, $y=0$, $v=1360$

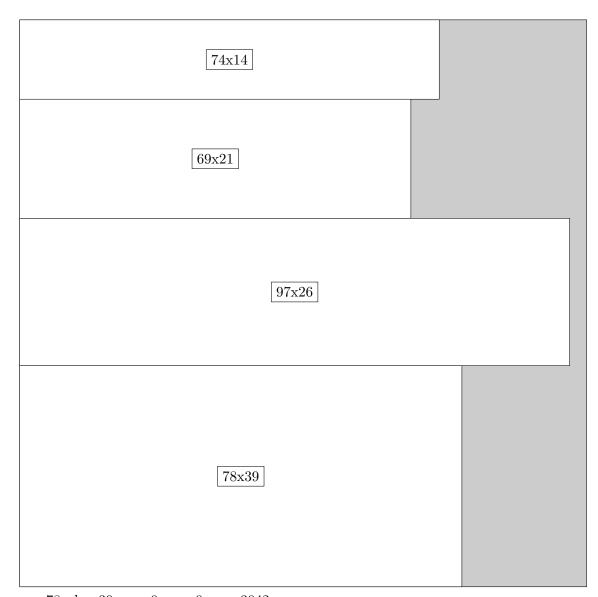


$$\le =91$$
 , $h=37$, $x=0$, $y=0$, $v=3367$

$$\le =74$$
 , h =32 , x =0 , y =66 , v =2368

$$\le =75$$
 , h =20 , x =0 , y =46 , v =1500

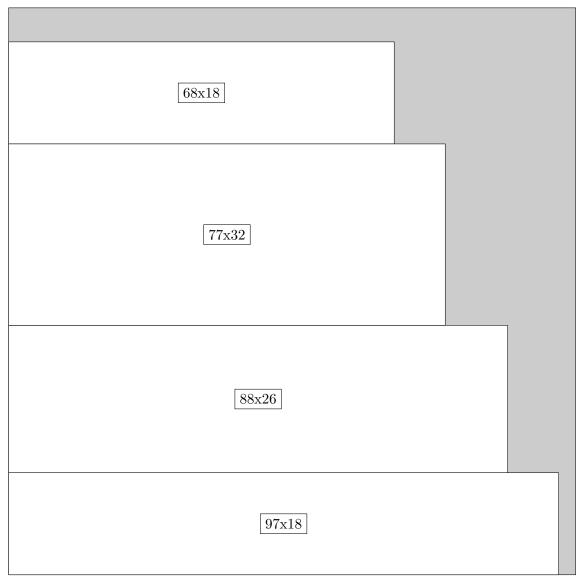
$$\le =85$$
 , h =9 , x =0 , y =37 , v =765



$$\begin{array}{l} w = \! 78 \ , \ h = \! 39 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3042 \\ w = \! 97 \ , \ h = \! 26 \ , \ x = \! 0 \ , \ y = \! 39 \ , \ v = \! 2522 \end{array}$$

$$\le =69$$
 , $h=21$, $x=0$, $y=65$, $v=1449$

$$w = 74$$
, $h = 14$, $x = 0$, $y = 86$, $v = 1036$

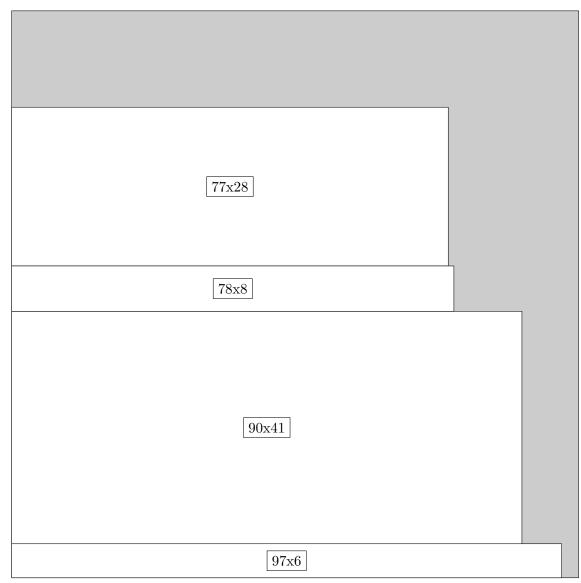


$$w = 68$$
, $h = 18$, $x = 0$, $y = 76$, $v = 1224$

$$\le =88$$
 , h =26 , x =0 , y =18 , v =2288

$$\le =97$$
 , h =18 , x =0 , y =0 , v =1746

$$\mathbf{w}$$
 =77 , h =32 , x =0 , y =44 , v =2464



$$\le =90$$
 , h =41 , x =0 , y =6 , v =3690

$$\le =77$$
 , h =28 , x =0 , y =55 , v =2156

$$\le -78$$
 , h =
8 , x =
0 , y =
47 , v =
624

$$\le =97$$
 , h =6 , x =0 , y =0 , v =
582

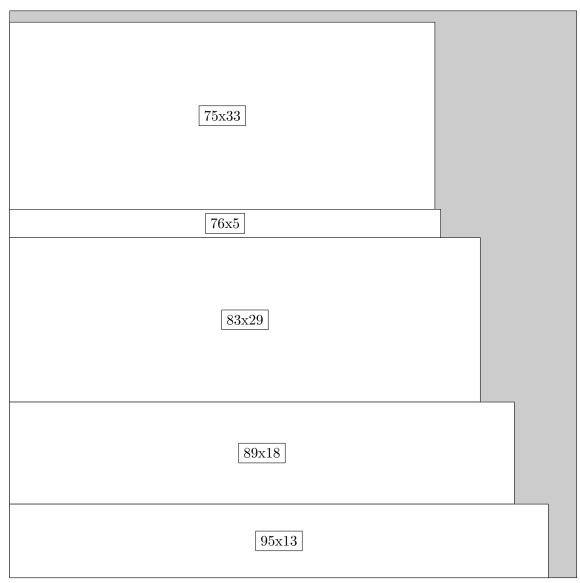


$$\le =96$$
 , h =27 , x =0 , y =0 , v =2592

$$\le =77$$
 , h =27 , x =0 , y =55 , v =2079

$$\le =82$$
 , h =18 , x =0 , y =37 , v =1476

$$\le =86$$
 , h =10 , x =0 , y =27 , v =860



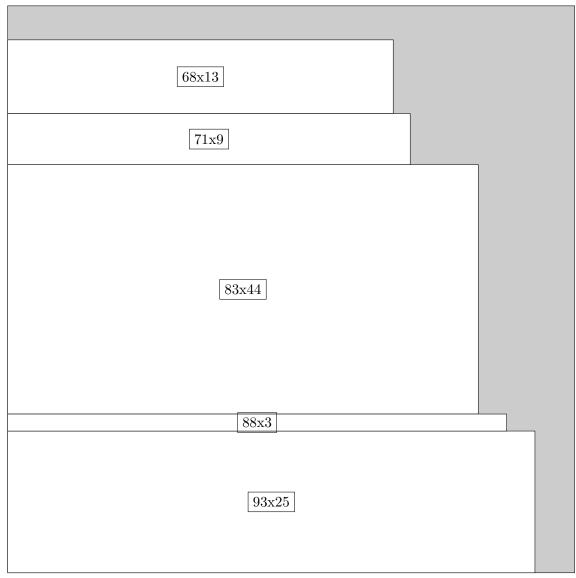
$$w = 75$$
, $h = 33$, $x = 0$, $y = 65$, $v = 2475$

$$\le =83$$
 , h =29 , x =0 , y =31 , v =2407

$$\le =89$$
 , h =18 , x =0 , y =13 , v =1602

$$\le =95$$
 , h =13 , x =0 , y =0 , v =1235

$$\mathbf{w}$$
 =76 , h =5 , x =0 , y =60 , v =380



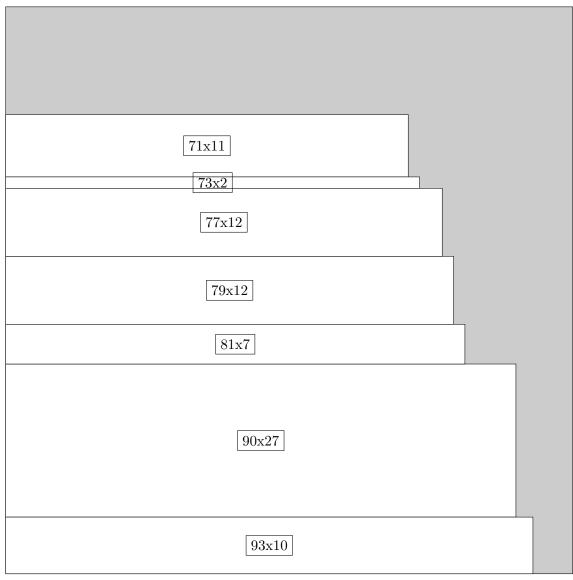
$$w = 83$$
, $h = 44$, $x = 0$, $y = 28$, $v = 3652$

$$\le =93$$
 , h =25 , x =0 , y =0 , v =2325

$$\mathbf{w}$$
 =68 , h =13 , x =0 , y =81 , v =884

$$\mathbf{w}$$
 =71 , h =9 , x =0 , y =72 , v =639

$$\le =88$$
 , h =3 , x =0 , y =25 , v =264



$$\le =90$$
 , h =27 , x =0 , y =10 , v =2430

$$w$$
 =79 , h =12 , x =0 , y =44 , v =948

$$\le =93$$
 , $h=\!10$, $x=\!0$, $y=\!0$, $v=\!930$

$$w$$
 =77 , h =12 , x =0 , y =56 , v =924

$$w$$
 =71 , h =11 , x =0 , y =70 , v =781

$$\le =81$$
 , $h=7$, $x=0$, $y=37$, $v=567$

$$\le =73$$
 , h =2 , x =0 , y =68 , v =146