$ClassName: \ Class_08.2bp\text{-}45$

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

TypeNum: <u>99</u> Num: <u>100</u> OutS: <u>270000</u> InS: <u>225982</u> Rate: <u>0.837</u> UB: <u>27</u> LB0: <u>26</u> LB: <u>27</u>

LBWithCut: **27** NodeCut: **0**

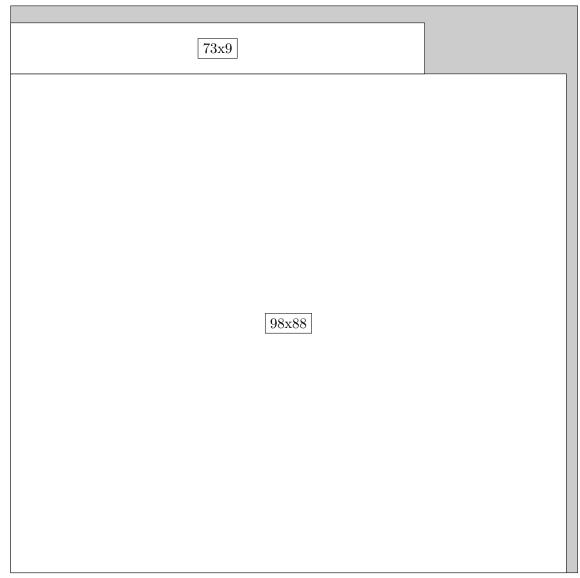
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: 1
PrimalNode: 0
ColumnCount: 267
TotalCutCount: 0
RootCutCount: 0
LPSolverCnt: 241
PricingSolverCnt: 241
BranchAndBoundNum: 1

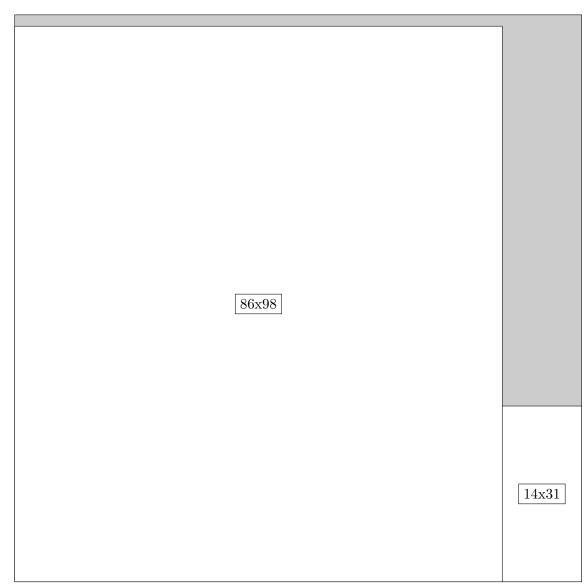
isOpt: **true**

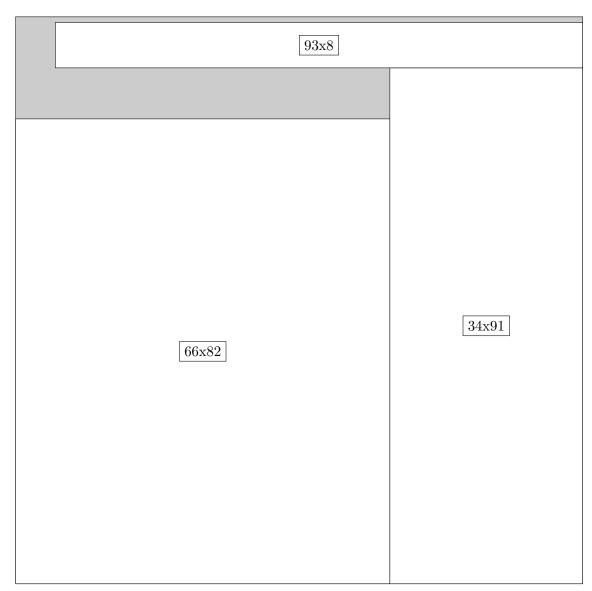
TimeOnInitSolution: $\underline{120.010 \text{ s}}$

TimeOnPrimal: 0.000 sTimeOnPricing: 23.508 sTimeOnRmp: 0.270 sTotalTime: 143.964 s



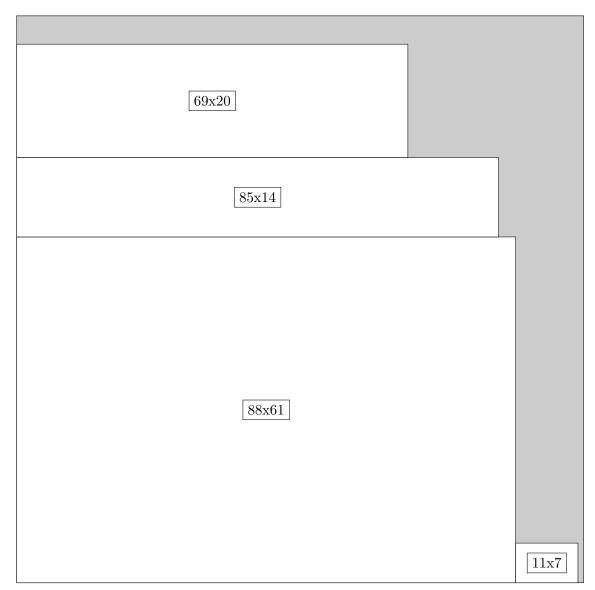
$$\begin{array}{l} w = \! 98 \ , \, h = \! 88 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 8624 \\ w = \! 73 \ , \, h = \! 9 \ , \, x = \! 0 \ , \, y = \! 88 \ , \, v = \! 657 \end{array}$$





 $\begin{array}{l} w = \!\!66 \ , \ h = \!\!82 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!5412 \\ w = \!\!34 \ , \ h = \!\!91 \ , \ x = \!\!66 \ , \ y = \!\!0 \ , \ v = \!\!3094 \end{array}$

 $\le =93$, h =8 , x =7 , y =91 , v =744

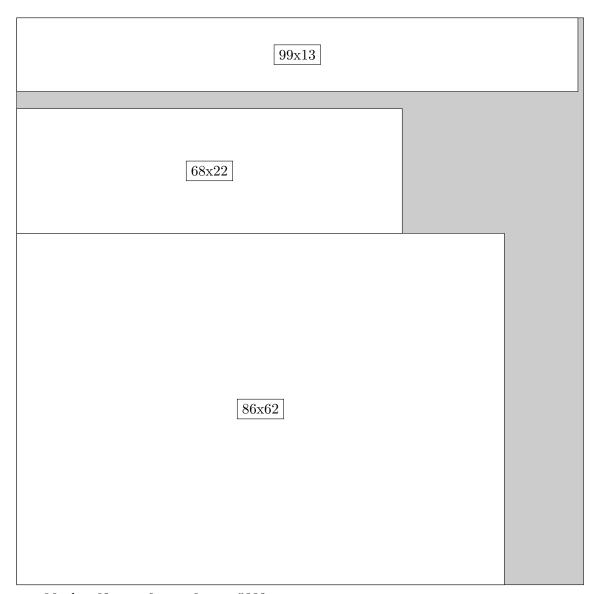


$$w$$
 =88 , h =61 , x =0 , y =0 , v =5368

$$\le =69$$
 , h =20 , x =0 , y =75 , v =1380

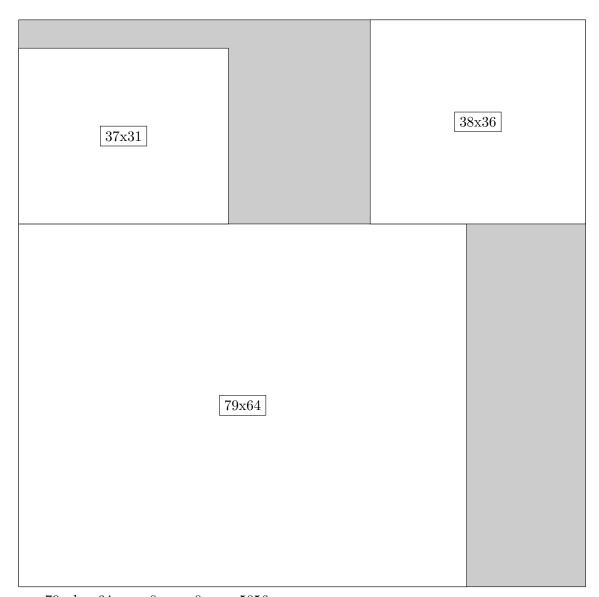
$$\le =85$$
 , h =14 , x =0 , y =61 , v =1190

$$\mathbf{w}$$
 =11 , h =7 , x =88 , y =0 , v =77



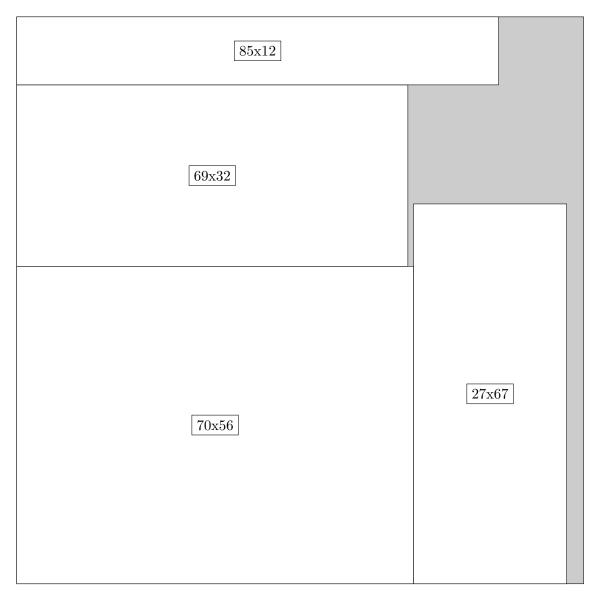
$$\begin{array}{l} w = \!\!86 \ , \ h = \!\!62 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!5332 \\ w = \!\!68 \ , \ h = \!\!22 \ , \ x = \!\!0 \ , \ y = \!\!62 \ , \ v = \!\!1496 \end{array}$$

$$\le =99$$
 , h =13 , x =0 , y =87 , v =1287



$$\begin{array}{l} w = 79 \ , \ h = \!\! 64 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 5056 \\ w = \!\! 38 \ , \ h = \!\! 36 \ , \ x = \!\! 62 \ , \ y = \!\! 64 \ , \ v = \!\! 1368 \end{array}$$

$$\le =37$$
 , h =31 , x =0 , y =64 , v =1147

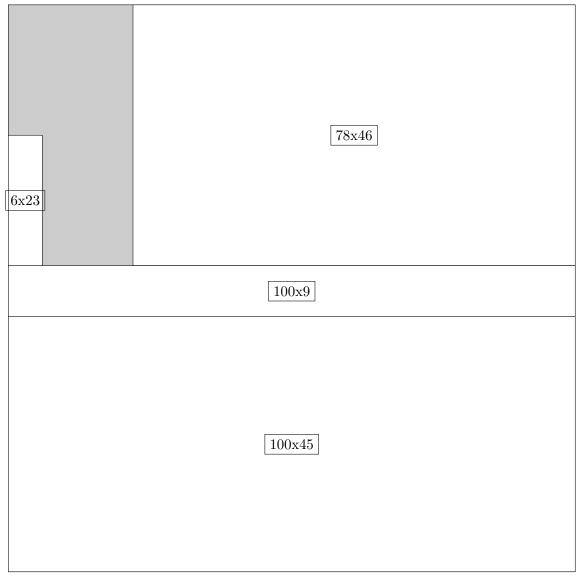


$$\mathbf{w}$$
 =70 , h =56 , x =0 , y =0 , v =3920

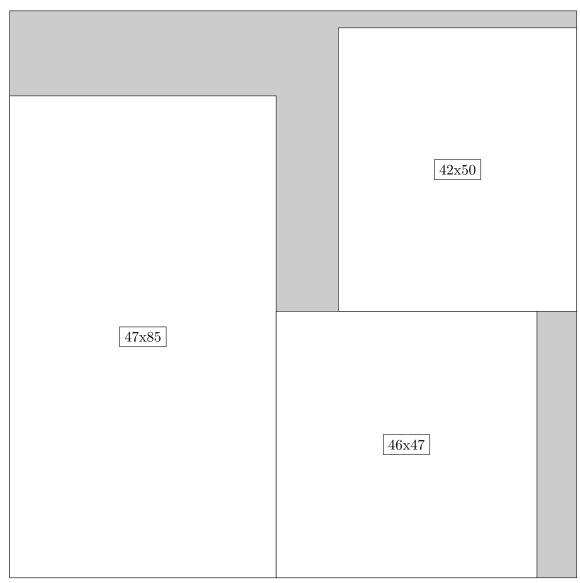
$$\le =69$$
 , h =32 , x =0 , y =
56 , v =2208

$$\le =27$$
 , h =67 , x =70 , y =0 , v =1809

$$\le =85$$
 , h =12 , x =0 , y =88 , v =1020



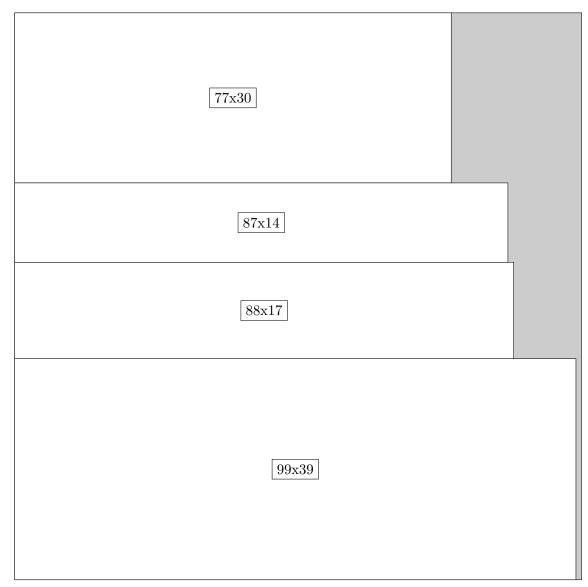
 $\begin{array}{l} w = & 100 \ , \ h = & 45 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 4500 \\ w = & 78 \ , \ h = & 46 \ , \ x = & 22 \ , \ y = & 54 \ , \ v = & 3588 \\ w = & 100 \ , \ h = & 9 \ , \ x = & 0 \ , \ y = & 45 \ , \ v = & 900 \\ w = & 6 \ , \ h = & 23 \ , \ x = & 0 \ , \ y = & 54 \ , \ v = & 138 \end{array}$



$$\le =47$$
 , h =85 , x =0 , y =0 , v =3995

$$\le =46$$
 , h =47 , x =47 , y =0 , v =2162

$$\le =42$$
 , h =50 , x =58 , y =47 , v =2100

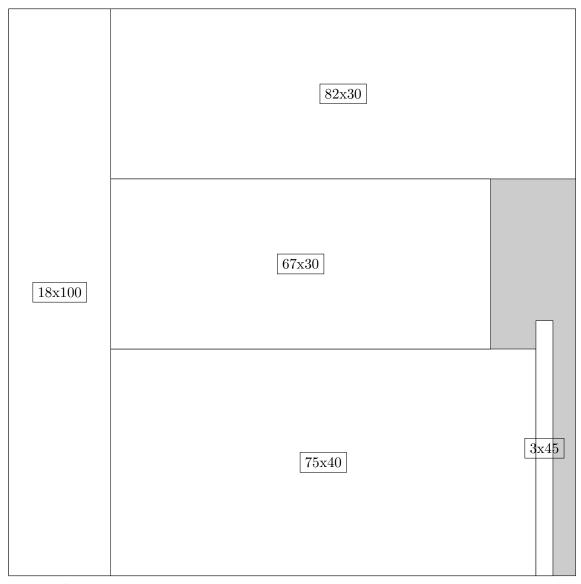


$$w = 99$$
, $h = 39$, $x = 0$, $y = 0$, $v = 3861$

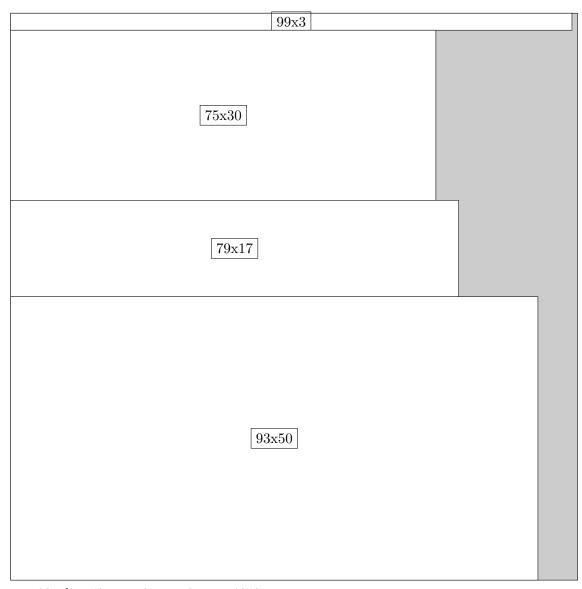
$$\le =77$$
 , h =30 , x =0 , y =70 , v =2310

$$\le =88$$
 , h =17 , x =0 , y =39 , v =1496

$$\le =87$$
 , h =14 , x =0 , y =56 , v =1218

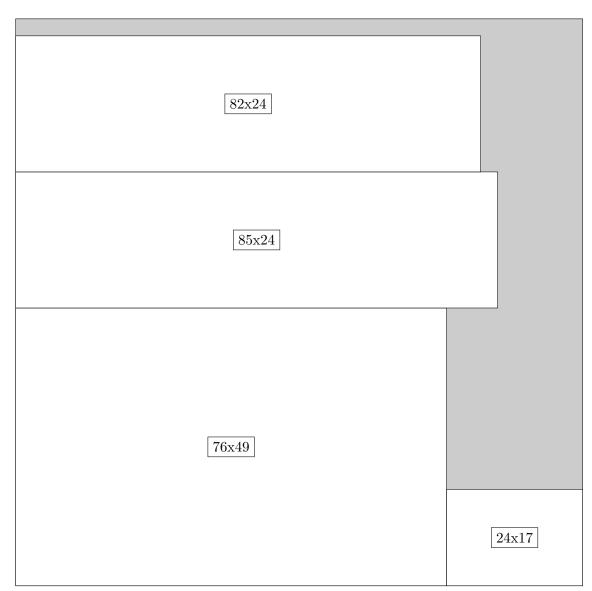


$$\begin{array}{l} w = \! 75 \ , \ h = \! 40 \ , \ x = \! 18 \ , \ y = \! 0 \ , \ v = \! 3000 \\ w = \! 82 \ , \ h = \! 30 \ , \ x = \! 18 \ , \ y = \! 70 \ , \ v = \! 2460 \\ w = \! 67 \ , \ h = \! 30 \ , \ x = \! 18 \ , \ y = \! 40 \ , \ v = \! 2010 \\ w = \! 18 \ , \ h = \! 100 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1800 \\ w = \! 3 \ , \ h = \! 45 \ , \ x = \! 93 \ , \ y = \! 0 \ , \ v = \! 135 \end{array}$$



$$\begin{array}{l} w = \! 93 \ , \ h = \! 50 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4650 \\ w = \! 99 \ , \ h = \! 3 \ , \ x = \! 0 \ , \ y = \! 97 \ , \ v = \! 297 \end{array}$$

$$\le =75$$
 , h =30 , x =0 , y =67 , v =2250

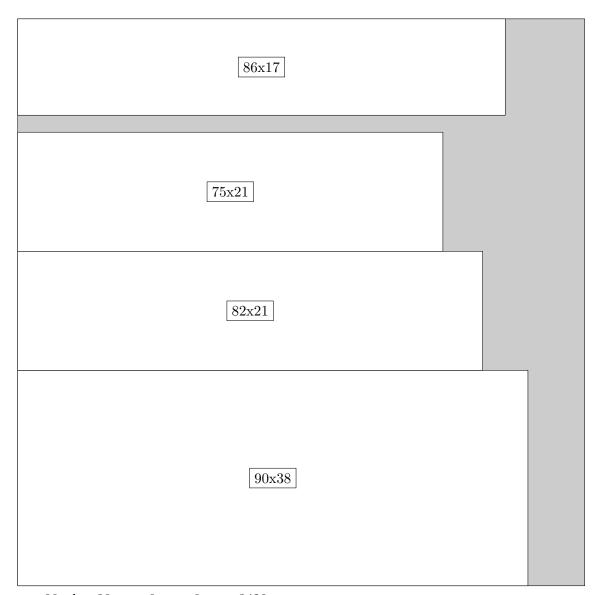


$$\mathbf{w}$$
 =76 , h =49 , x =0 , y =0 , v =3724

$$\le =85$$
 , h =24 , x =0 , y =49 , v =2040

$$\le =82$$
 , h =24 , x =0 , y =73 , v =1968

$$\mathbf{w}$$
 =24 , h =17 , x =76 , y =0 , v =408

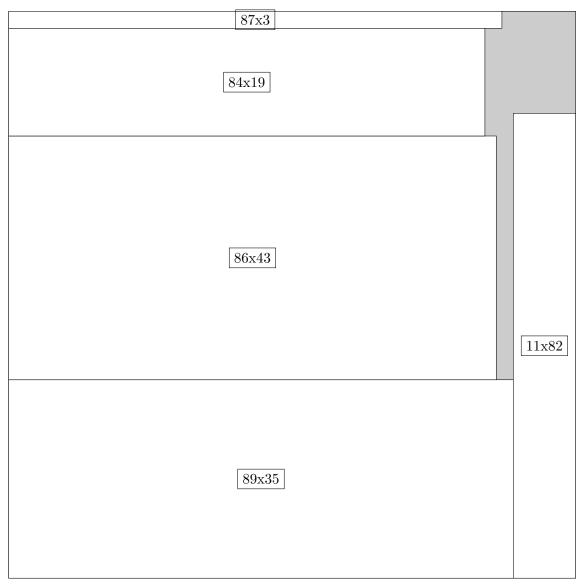


$$\le =90$$
 , h =38 , x =0 , y =0 , v =3420

$$\le =86$$
 , h =17 , x =0 , y =83 , v =1462

$$\le =82$$
 , h =21 , x =0 , y =38 , v =1722

$$\le -75$$
 , h =21 , x =0 , y =59 , v =1575



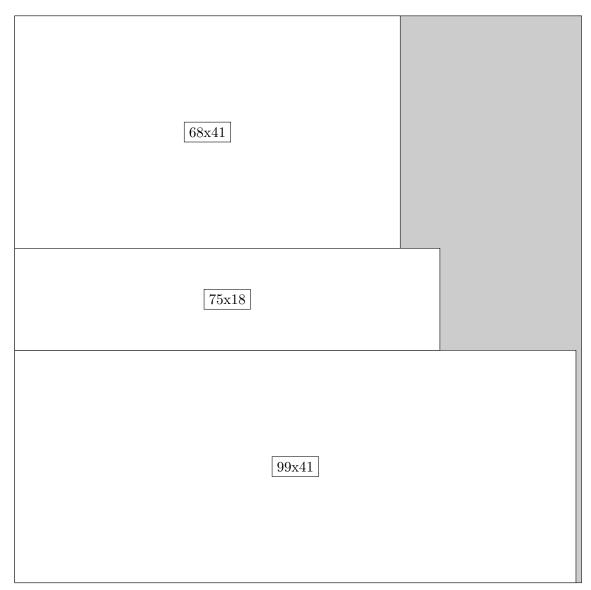
$$\le =89$$
 , h =35 , x =0 , y =0 , v =3115

$$\le =86$$
 , h =43 , x =0 , y =35 , v =3698

$$\le =84$$
 , h =19 , x =0 , y =78 , v =1596

$$\le =11$$
 , h =82 , x =89 , y =0 , v =902

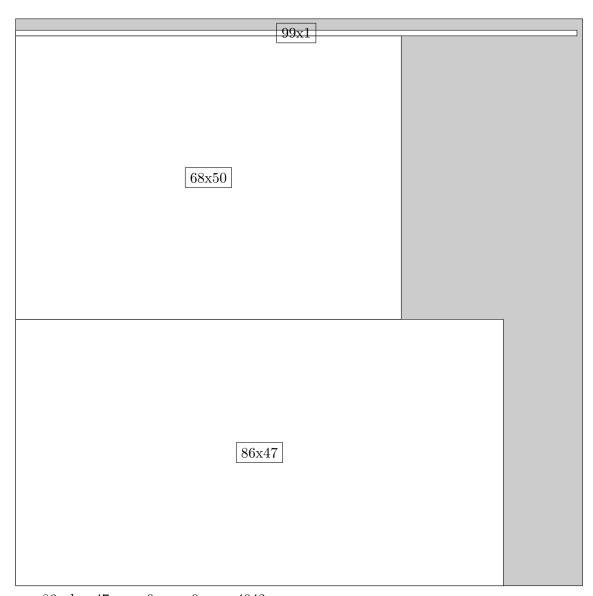
$$\le =87$$
 , h $=3$, x $=0$, y $=97$, v $=261$



$$w = 99$$
, $h = 41$, $x = 0$, $y = 0$, $v = 4059$

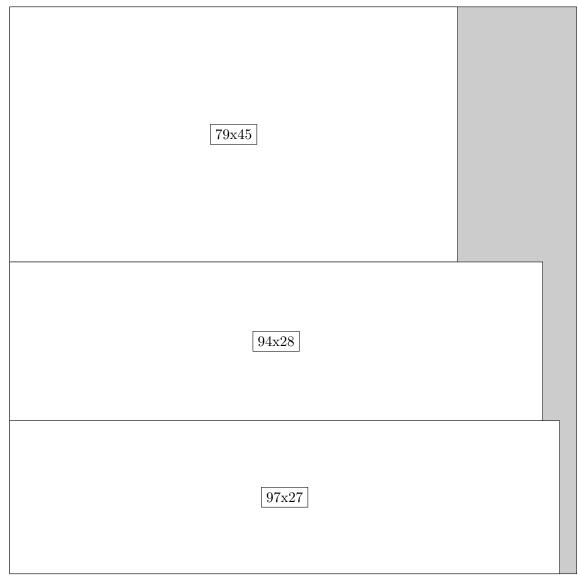
$$\le =68$$
 , h =41 , x =0 , y =59 , v =2788

$$\le =75$$
 , h =18 , x =0 , y =41 , v =1350



$$\begin{array}{l} w = \!\!86 \ , \ h = \!\!47 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!4042 \\ w = \!\!68 \ , \ h = \!\!50 \ , \ x = \!\!0 \ , \ y = \!\!47 \ , \ v = \!\!3400 \end{array}$$

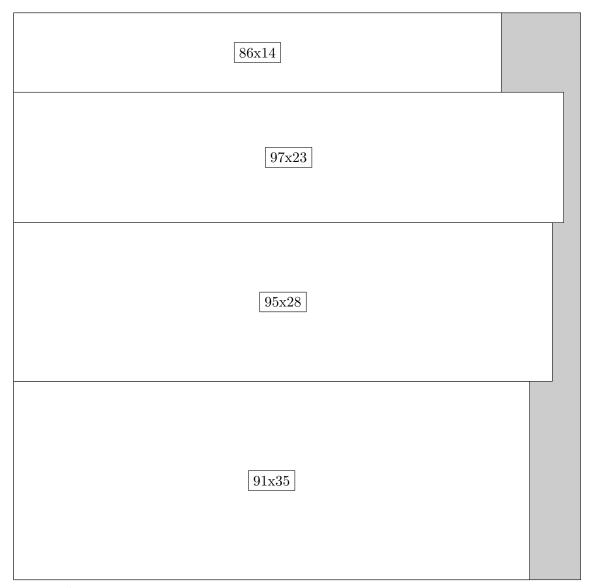
$$\le =99$$
 , h =1 , x =0 , y =97 , v =99



$$w = 79$$
, $h = 45$, $x = 0$, $y = 55$, $v = 3555$

$$\le =94$$
 , h =28 , x =0 , y =27 , v =2632

$$\le =97$$
 , h =27 , x =0 , y =0 , v =2619

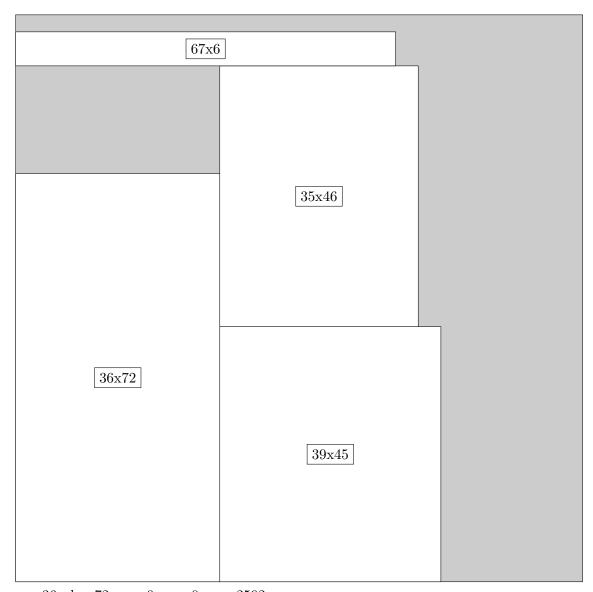


$$\le =91$$
 , h =35 , x =0 , y =0 , v =3185

$$\le =95$$
 , h =28 , x =0 , y =35 , v =2660

$$\le =97$$
 , h =23 , x =0 , y =63 , v =2231

$$\le =86$$
 , $h=14$, $x=0$, $y=86$, $v=1204$

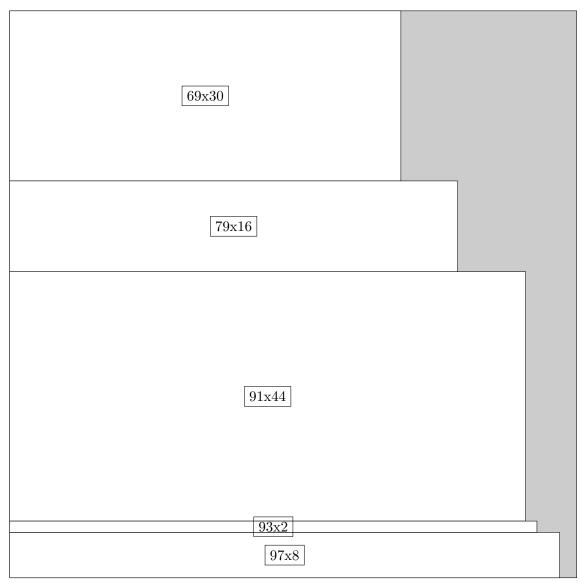


$$\le =36$$
 , h =72 , x =0 , y =0 , v =2592

$$\le =39$$
 , h =45 , x =36 , y =0 , v =1755

$$\le =35$$
 , h =46 , x =36 , y =45 , v =1610

$$\mathbf{w}$$
 =67 , h =6 , x =0 , y =91 , v =402



$$w = 91$$
, $h = 44$, $x = 0$, $y = 10$, $v = 4004$

$$\le =69$$
 , h =30 , x =0 , y =70 , v =2070

$$\mathbf{w}$$
 =79 , h =16 , x =0 , y =54 , v =1264

$$\le =97$$
 , h =8 , x =0 , y =0 , v =776

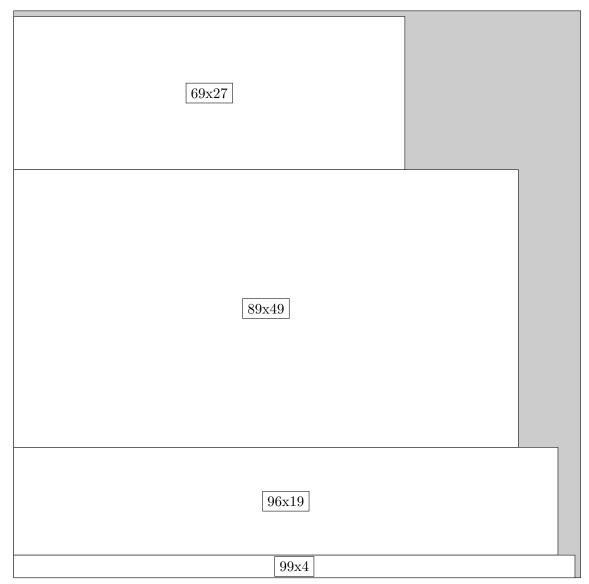
$$\le =93$$
 , h =2 , x =0 , y =8 , v =186



$$w = 88$$
, $h = 49$, $x = 0$, $y = 0$, $v = 4312$

$$\le =76$$
 , h =28 , x =0 , y =49 , v =2128

$$\le =79$$
 , h =21 , x =0 , y =77 , v =1659

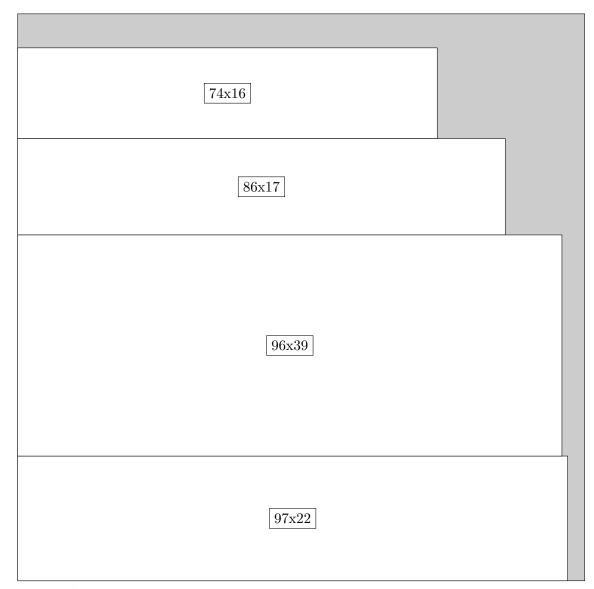


$$\le =89$$
 , h =49 , x =0 , y =23 , v =4361

$$\le =69$$
 , h =27 , x =0 , y =72 , v =1863

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

$$\le =99$$
 , h =4 , x =0 , y =0 , v =396

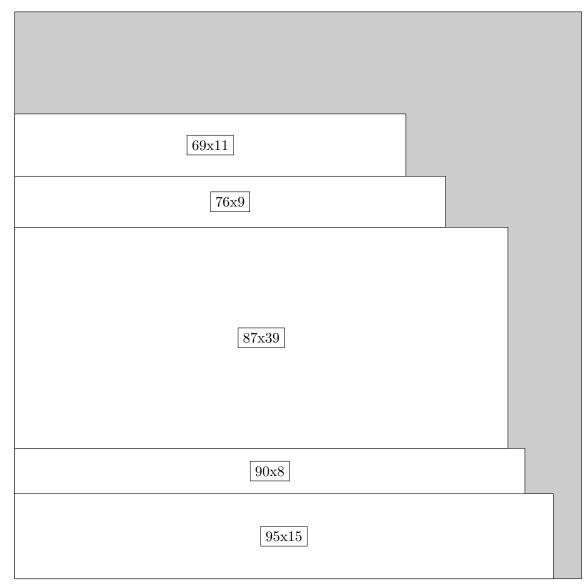


$$\mathbf{w}$$
 =74 , h =16 , x =0 , y =78 , v =1184

$$\le =97$$
 , h =22 , x =0 , y =0 , v =2134

$$\le =86$$
 , h =17 , x =0 , y =61 , v =1462

$$\le =96$$
 , h =39 , x =0 , y =22 , v =3744



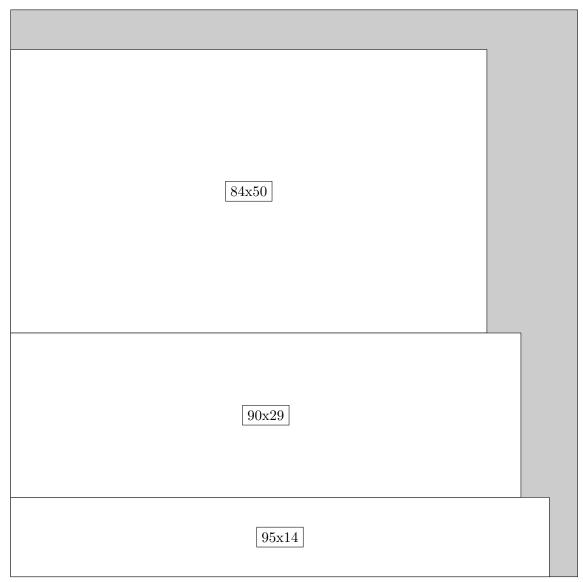
$$w = 87$$
, $h = 39$, $x = 0$, $y = 23$, $v = 3393$

$$\le =95$$
 , h =15 , x =0 , y =0 , v =1425

$$\le =69$$
 , $h=11$, $x=0$, $y=71$, $v=759$

$$\le =90$$
 , h =8 , x =0 , y =15 , v =720

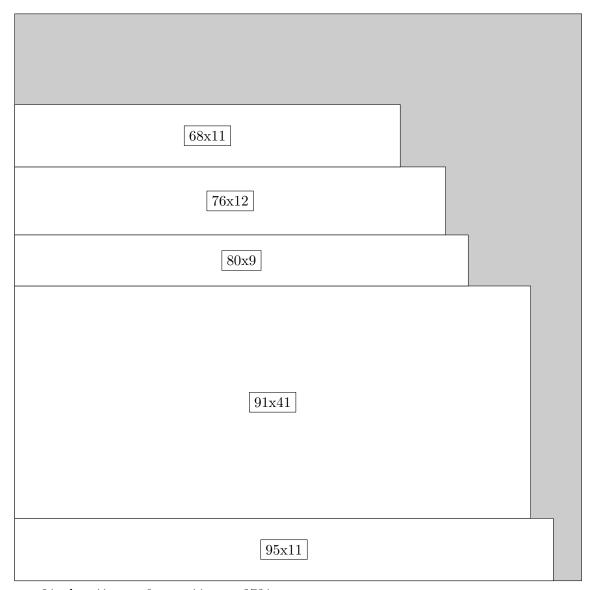
$$w = 76$$
, $h = 9$, $x = 0$, $y = 62$, $v = 684$



$$\le =84$$
 , $h=\!50$, $x=\!0$, $y=\!43$, $v=\!4200$

$$\le =90$$
 , h =29 , x =0 , y =14 , v =2610

$$\le =95$$
 , h =14 , x =0 , y =0 , v =1330



$$w$$
 =91 , h =41 , x =0 , y =11 , v =3731

$$\le =95$$
 , h =11 , x =0 , y =0 , v =1045

$$\mathbf{w}$$
 =76 , h =12 , x =0 , y =61 , v =912

$$\mathbf{w}$$
 =68 , h =11 , x =0 , y =73 , v =748

$$w = 80$$
, $h = 9$, $x = 0$, $y = 52$, $v = 720$