${\bf ClassName:}\ {\bf Class_08.2bp\text{-}36}$

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>220000</u> InS: <u>189485</u> Rate: <u>0.861</u> UB: <u>22</u> LB0: <u>22</u>

LBWithCut: $\underline{22}$ NodeCut: $\underline{0}$

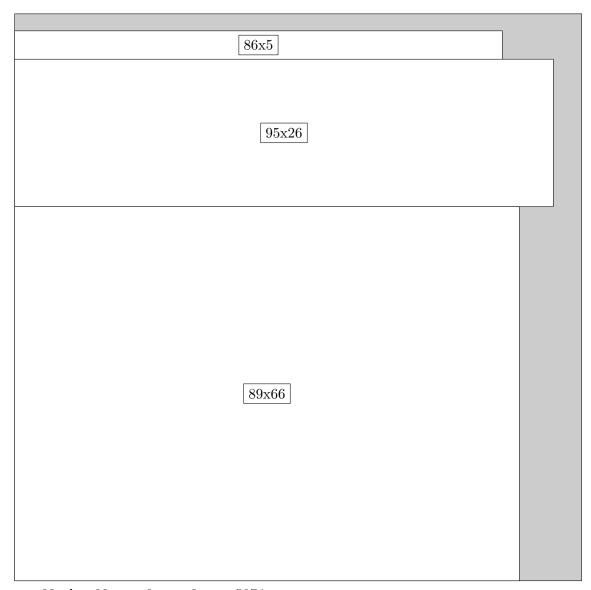
LB: **22**

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

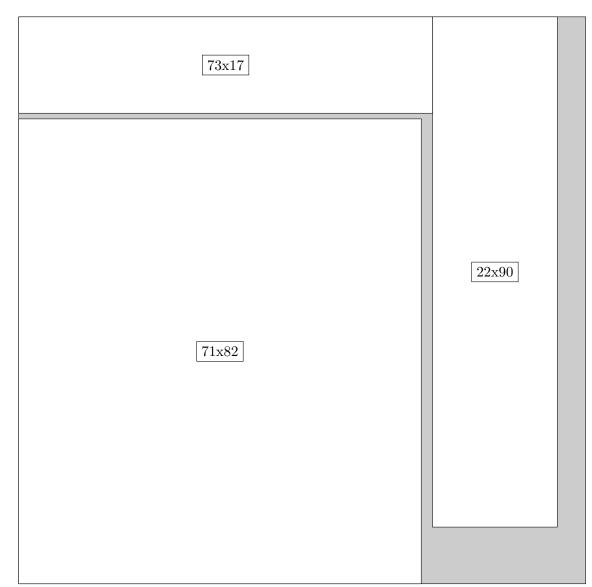
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{22}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.230 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.063 \ s} \\ {\rm TotalTime:} \ \underline{0.339 \ s} \end{array}$



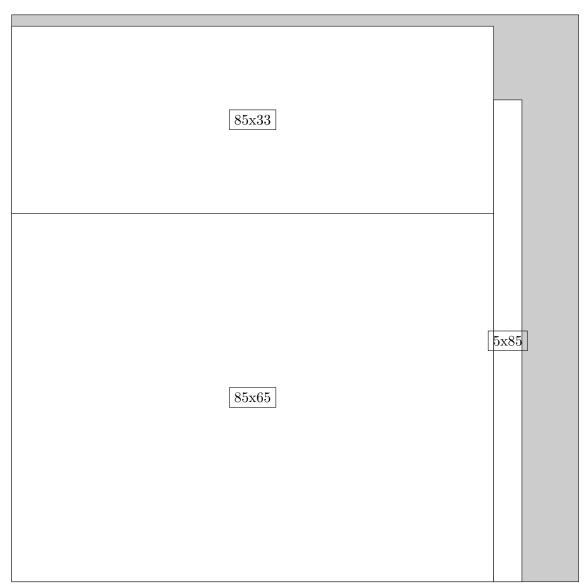
$$\begin{array}{l} w = \! 89 \ , \ h = \! 66 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5874 \\ w = \! 95 \ , \ h = \! 26 \ , \ x = \! 0 \ , \ y = \! 66 \ , \ v = \! 2470 \\ w = \! 86 \ , \ h = \! 5 \ , \ x = \! 0 \ , \ y = \! 92 \ , \ v = \! 430 \end{array}$$



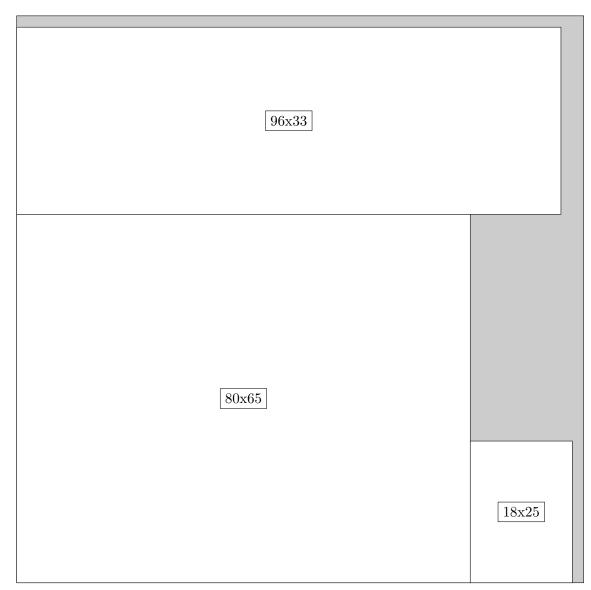
$$\le =71$$
 , h =82 , x =0 , y =0 , v =5822

$$\le =22$$
 , h =90 , x =73 , y =10 , v =1980

$$\le =73$$
 , h =17 , x =0 , y =83 , v =1241



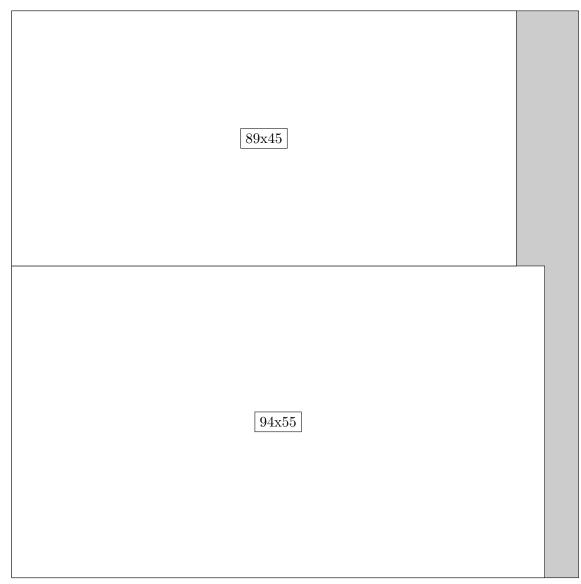
 $\begin{array}{l} w = \! 85 \ , \ h = \! 65 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5525 \\ w = \! 85 \ , \ h = \! 33 \ , \ x = \! 0 \ , \ y = \! 65 \ , \ v = \! 2805 \\ w = \! 5 \ , \ h = \! 85 \ , \ x = \! 85 \ , \ y = \! 0 \ , \ v = \! 425 \end{array}$

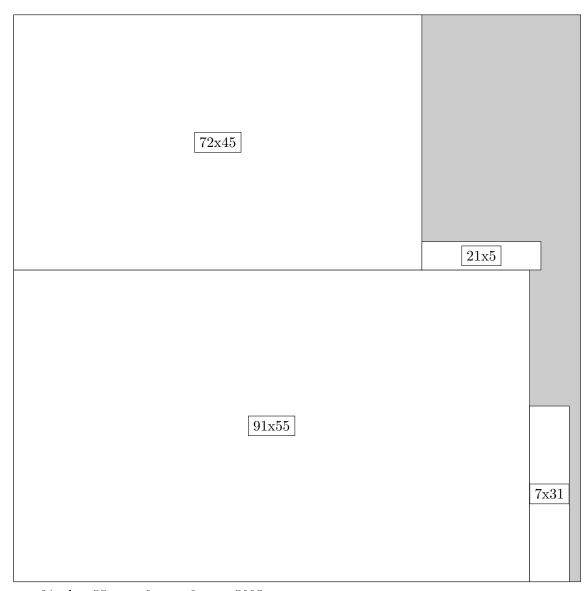


$$w$$
 =80 , h =65 , x =0 , y =0 , v =5200

$$\le =96$$
 , h =33 , x =0 , y =65 , v =3168

$$\le =18$$
 , h =25 , x =80 , y =0 , v =450

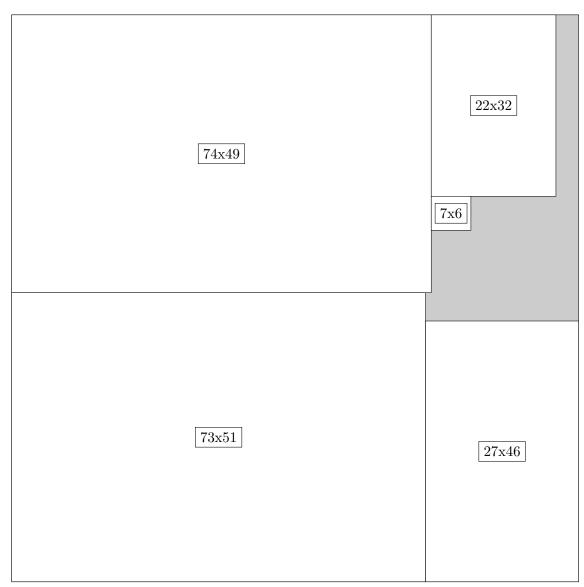




$$\begin{array}{l} w = \! 91 \ , \ h = \! 55 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5005 \\ w = \! 72 \ , \ h = \! 45 \ , \ x = \! 0 \ , \ y = \! 55 \ , \ v = \! 3240 \end{array}$$

$$w = 7$$
, $h = 31$, $x = 91$, $y = 0$, $v = 217$

$$w$$
 =21 , h =5 , x =72 , y =55 , v =105



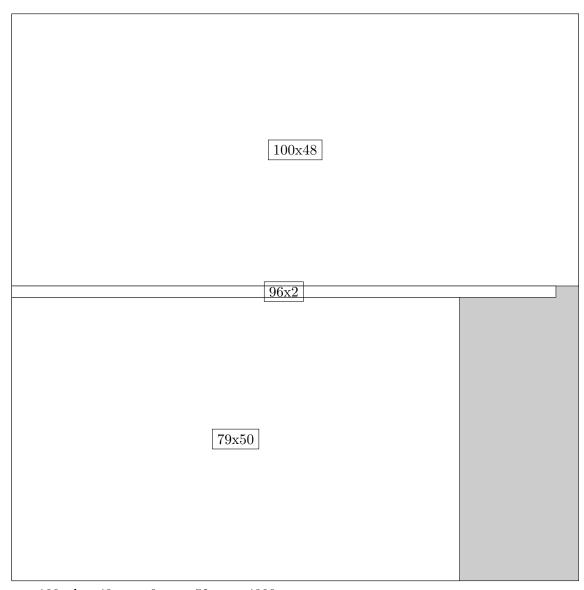
$$w = 73$$
, $h = 51$, $x = 0$, $y = 0$, $v = 3723$

$$w = 74$$
, $h = 49$, $x = 0$, $y = 51$, $v = 3626$

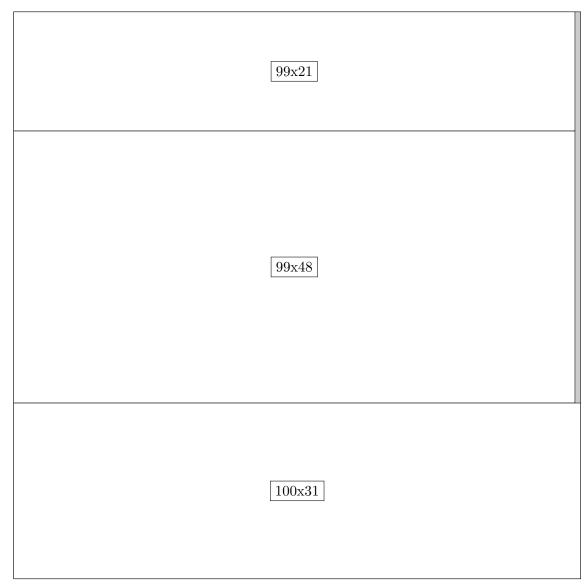
$$\le =27$$
 , h =46 , x =73 , y =0 , v =1242

$$\le =22$$
 , h =32 , x =74 , y =68 , v =704

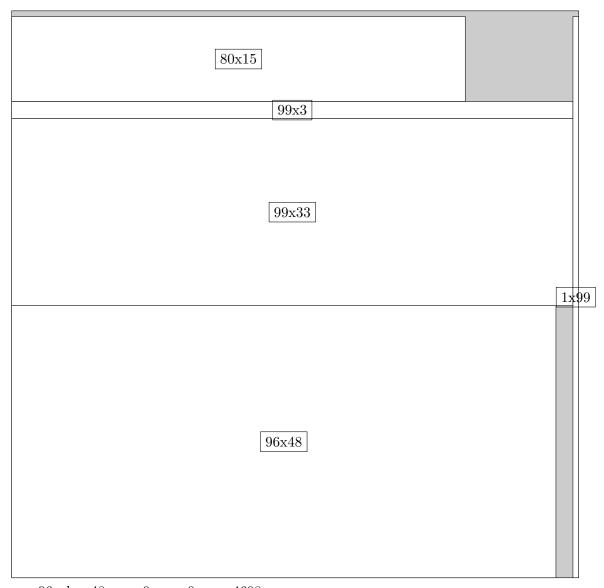
$$w = 7$$
, $h = 6$, $x = 74$, $y = 62$, $v = 42$



$$\begin{array}{l} w = \! 100 \; , \; h = \! 48 \; , \; x = \! 0 \; , \; y = \! 52 \; , \; v = \! 4800 \\ w = \! 79 \; , \; h = \! 50 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3950 \\ w = \! 96 \; , \; h = \! 2 \; , \; x = \! 0 \; , \; y = \! 50 \; , \; v = \! 192 \end{array}$$



$$\begin{array}{l} w = 99 \ , \ h = \!\! 48 \ , \ x = \!\! 0 \ , \ y = \!\! 31 \ , \ v = \!\! 4752 \\ w = \!\! 100 \ , \ h = \!\! 31 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3100 \\ w = \!\! 99 \ , \ h = \!\! 21 \ , \ x = \!\! 0 \ , \ y = \!\! 79 \ , \ v = \!\! 2079 \end{array}$$

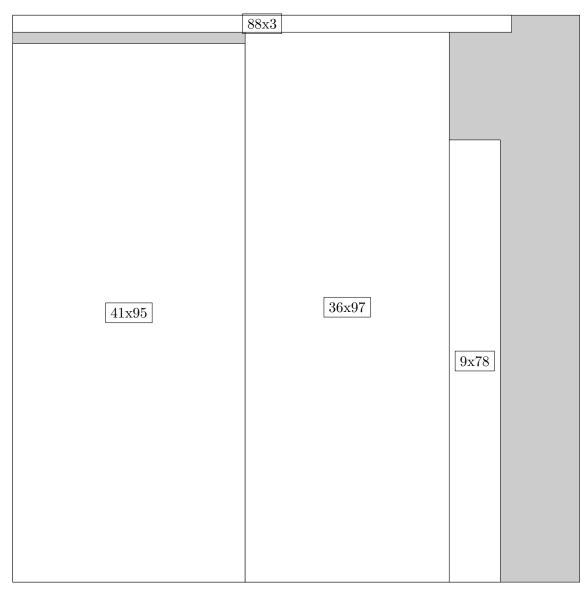


$$\begin{array}{l} w = \! 96 \ , \ h = \! 48 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4608 \\ w = \! 99 \ , \ h = \! 33 \ , \ x = \! 0 \ , \ y = \! 48 \ , \ v = \! 3267 \end{array}$$

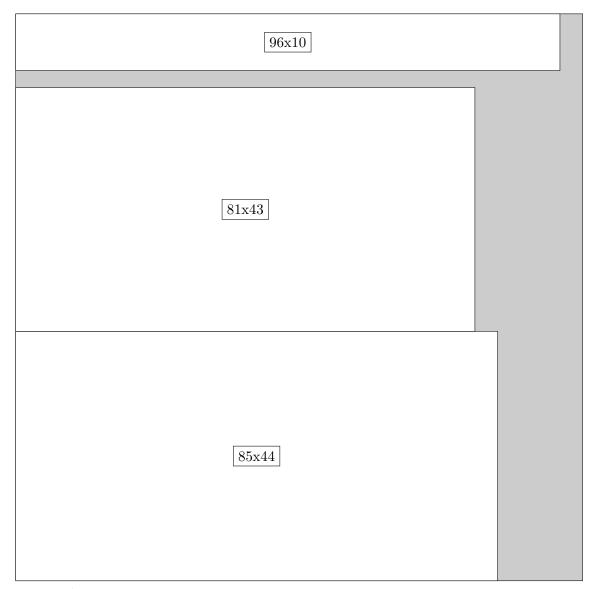
$$w = 99$$
, $h = 33$, $x = 0$, $y = 40$, $v = 3207$
 $w = 80$, $h = 15$, $x = 0$, $y = 84$, $v = 1200$

$$w = 99$$
, $h = 3$, $x = 0$, $y = 81$, $v = 297$

$$\mathbf{w}$$
 =1 , h =99 , x =99 , y =0 , v =99



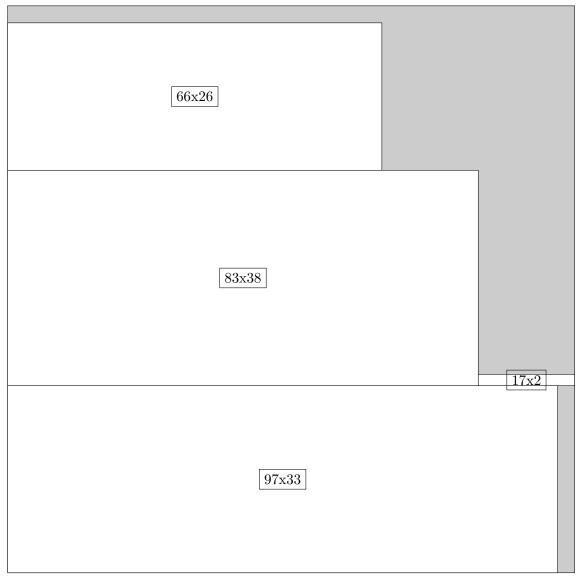
 $\begin{array}{l} w = \!\! 41 \ , \ h = \!\! 95 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3895 \\ w = \!\! 36 \ , \ h = \!\! 97 \ , \ x = \!\! 41 \ , \ y = \!\! 0 \ , \ v = \!\! 3492 \\ w = \!\! 9 \ , \ h = \!\! 78 \ , \ x = \!\! 77 \ , \ y = \!\! 0 \ , \ v = \!\! 702 \\ w = \!\! 88 \ , \ h = \!\! 3 \ , \ x = \!\! 0 \ , \ y = \!\! 97 \ , \ v = \!\! 264 \end{array}$



$$\le =85$$
 , h =44 , x =0 , y =0 , v =3740

$$\le =81$$
 , h =43 , x =0 , y =44 , v =3483

$$\le =96$$
 , h =10 , x =0 , y =90 , v =960

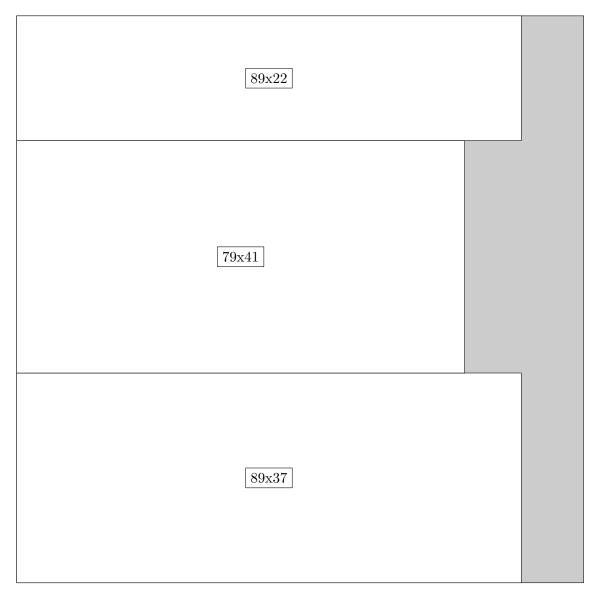


$$\le =97$$
 , h =33 , x =0 , y =0 , v =3201

$$\le =83$$
 , h =38 , x =0 , y =33 , v =3154

$$\le =66$$
 , h =26 , x =0 , y =71 , v =1716

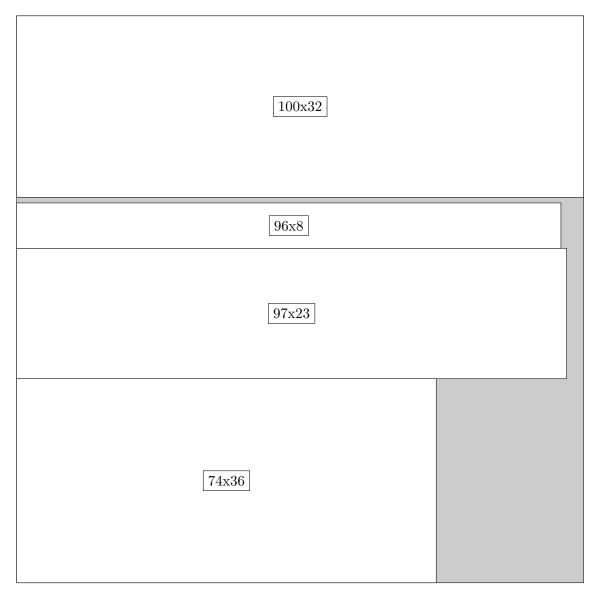
$$\le =17$$
 , h =2 , x =83 , y =33 , v =34



$$\mathbf{w}$$
 =89 , h =37 , x =0 , y =0 , v =3293

$$\le =79$$
 , h =41 , x =0 , y =37 , v =3239

$$\le =89$$
 , h =22 , x =0 , y =78 , v =1958

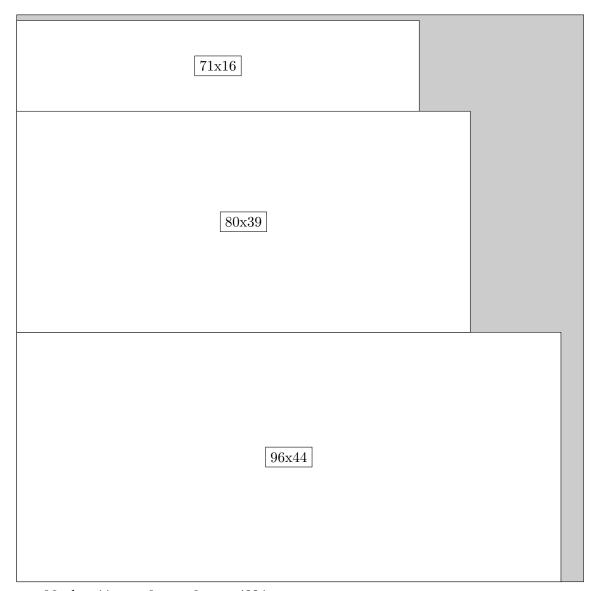


$$w = 100$$
, $h = 32$, $x = 0$, $y = 68$, $v = 3200$

$$\le =74$$
 , h =36 , x =0 , y =0 , v =2664

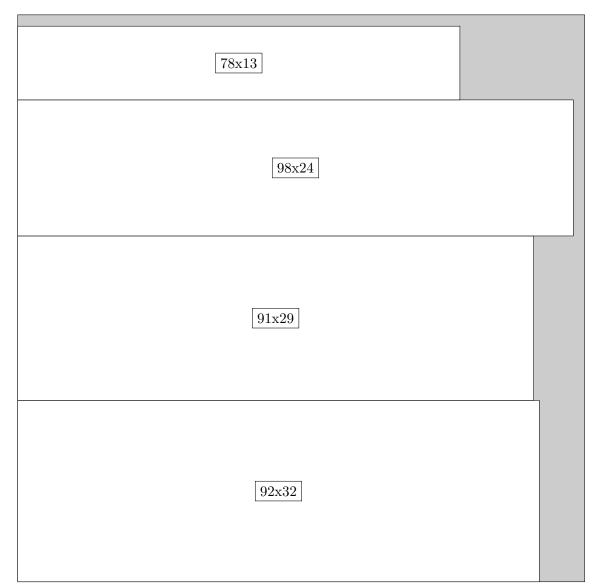
$$\le =97$$
 , h =23 , x =0 , y =36 , v =2231

$$\le =96$$
 , h =8 , x =0 , y =59 , v =768



$$\begin{array}{l} w = \! 96 \ , \ h = \! 44 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4224 \\ w = \! 80 \ , \ h = \! 39 \ , \ x = \! 0 \ , \ y = \! 44 \ , \ v = \! 3120 \end{array}$$

$$\le =71$$
 , h =16 , x =0 , y =83 , v =1136

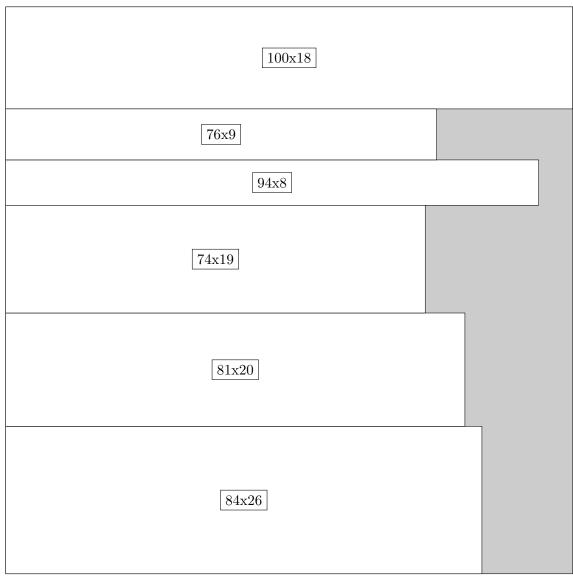


$$\le =92$$
 , h =32 , x =0 , y =0 , v =2944

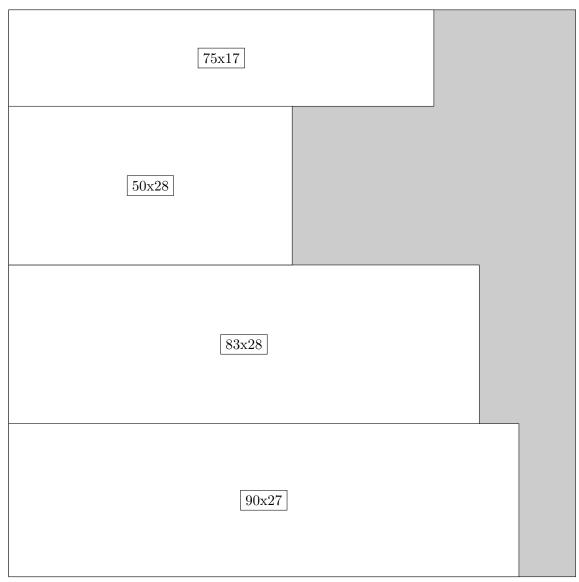
$$\le =91$$
 , h =29 , x =0 , y =32 , v =2639

$$\le =98$$
 , h =24 , x =0 , y =61 , v =2352

$$\mathbf{w}$$
 =78 , h =13 , x =0 , y =85 , v =1014



$$\begin{array}{l} w = \! 84 \;,\; h = \! 26 \;,\; x = \! 0 \;,\; y = \! 0 \;,\; v = \! 2184 \\ w = \! 100 \;,\; h = \! 18 \;,\; x = \! 0 \;,\; y = \! 82 \;,\; v = \! 1800 \\ w = \! 81 \;,\; h = \! 20 \;,\; x = \! 0 \;,\; y = \! 26 \;,\; v = \! 1620 \\ w = \! 74 \;,\; h = \! 19 \;,\; x = \! 0 \;,\; y = \! 46 \;,\; v = \! 1406 \\ w = \! 94 \;,\; h = \! 8 \;,\; x = \! 0 \;,\; y = \! 65 \;,\; v = \! 752 \\ w = \! 76 \;,\; h = \! 9 \;,\; x = \! 0 \;,\; y = \! 73 \;,\; v = \! 684 \end{array}$$

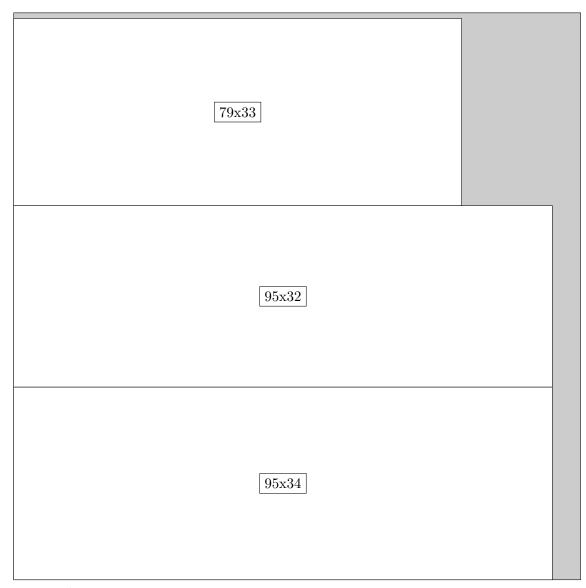


$$\le =90$$
 , h =27 , x =0 , y =0 , v =2430

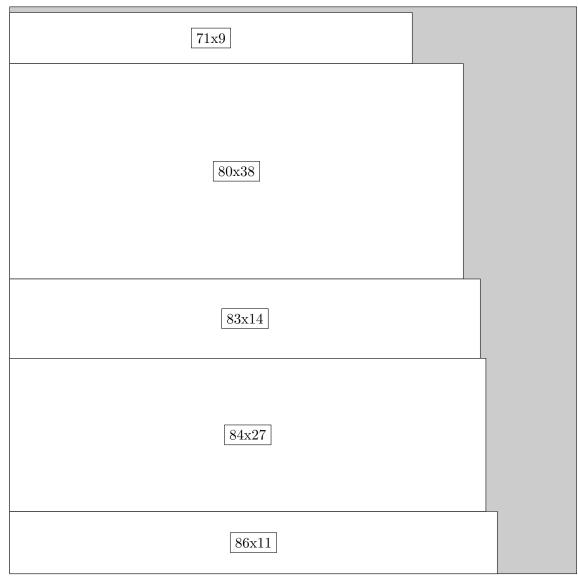
$$\le =83$$
 , h =28 , x =0 , y =27 , v =2324

$$\le =50$$
 , h =28 , x =0 , y =55 , v =1400

$$\le =75$$
 , h =17 , x =0 , y =83 , v =1275



$$\begin{array}{l} w = \! 95 \ , \ h = \! 34 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3230 \\ w = \! 95 \ , \ h = \! 32 \ , \ x = \! 0 \ , \ y = \! 34 \ , \ v = \! 3040 \\ w = \! 79 \ , \ h = \! 33 \ , \ x = \! 0 \ , \ y = \! 66 \ , \ v = \! 2607 \end{array}$$



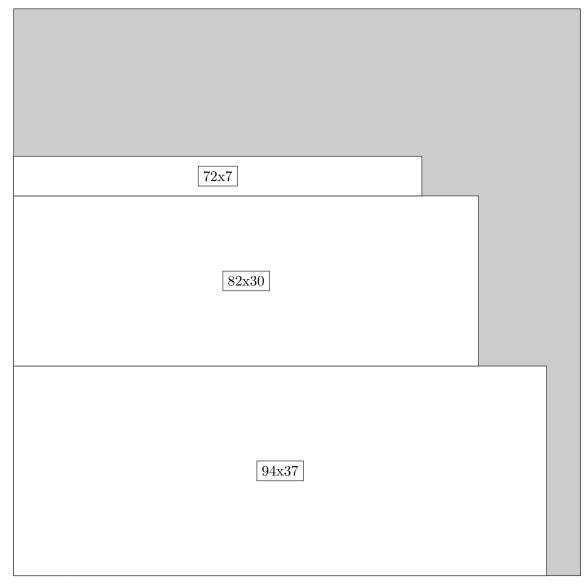
$$w$$
 =80 , h =38 , x =0 , y =52 , v =3040

$$\le =83$$
 , h =14 , x =0 , y =38 , v =1162

$$\le =86$$
 , h =11 , x =0 , y =0 , v =946

$$\le =71$$
 , h =9 , x =0 , y =90 , v =639

$$\le =84$$
 , h =27 , x =0 , y =11 , v =2268



$$\begin{array}{l} w = \! 94 \ , \ h = \! 37 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3478 \\ w = \! 82 \ , \ h = \! 30 \ , \ x = \! 0 \ , \ y = \! 37 \ , \ v = \! 2460 \end{array}$$

$$w = 72$$
, $h = 7$, $x = 0$, $y = 67$, $v = 504$