$ClassName: \ Class_07.2bp-49$

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

TypeNum: 99
Num: 100
OutS: 310000
InS: 272081
Rate: 0.878
UB: 31
LB0: 31

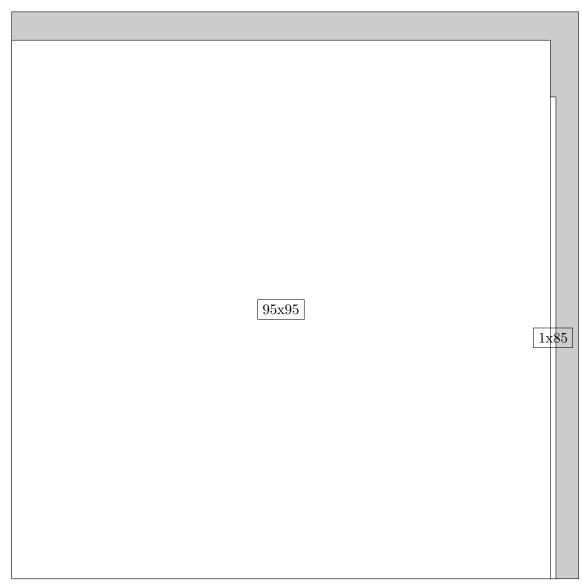
LB: $\underline{\mathbf{31}}$ LBWithCut: $\underline{\mathbf{31}}$ NodeCut: $\underline{\mathbf{0}}$

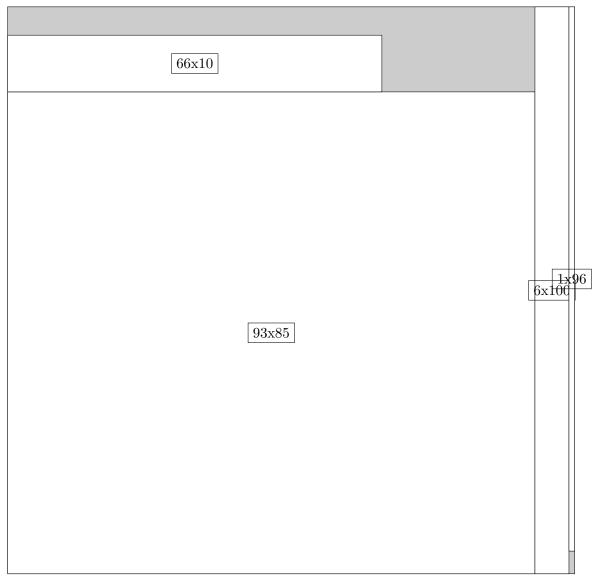
 $\operatorname{ExtendedNodeCnt}$: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{31}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

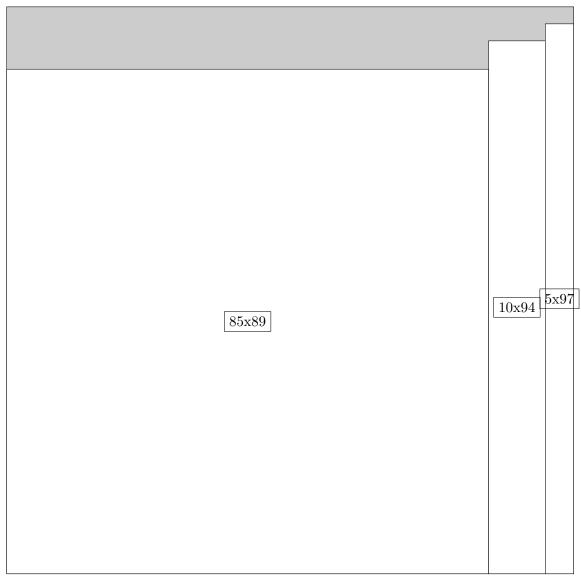
isOpt: **true**

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{\bf 5.360 \ s} \\ {\rm TimeOnPrimal:} \ \underline{\bf 0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{\bf 0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{\bf 0.062 \ s} \\ {\rm TotalTime:} \ \underline{\bf 5.485 \ s} \end{array}$

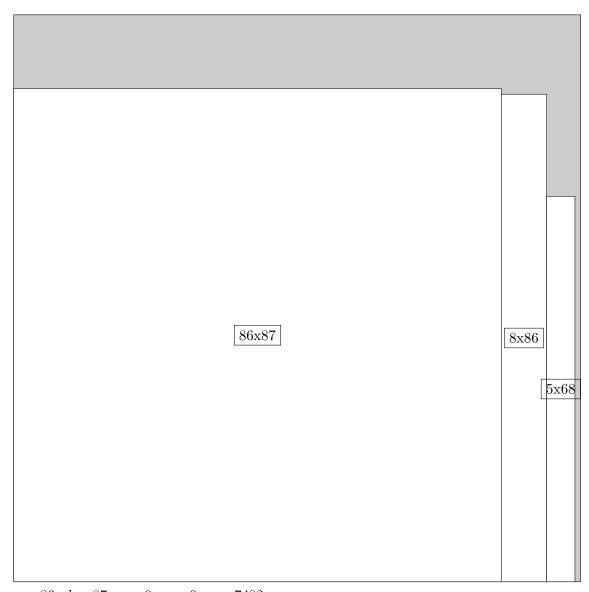




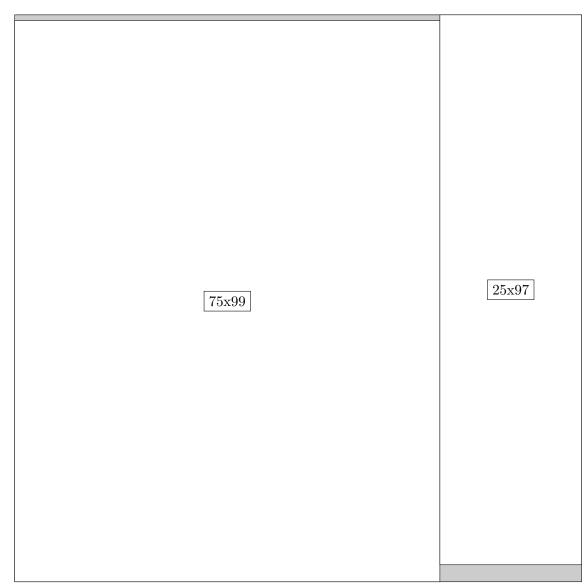
$$\begin{array}{l} w = \! 93 \ , \ h = \! 85 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7905 \\ w = \! 66 \ , \ h = \! 10 \ , \ x = \! 0 \ , \ y = \! 85 \ , \ v = \! 660 \\ w = \! 6 \ , \ h = \! 100 \ , \ x = \! 93 \ , \ y = \! 0 \ , \ v = \! 600 \\ w = \! 1 \ , \ h = \! 96 \ , \ x = \! 99 \ , \ y = \! 4 \ , \ v = \! 96 \end{array}$$

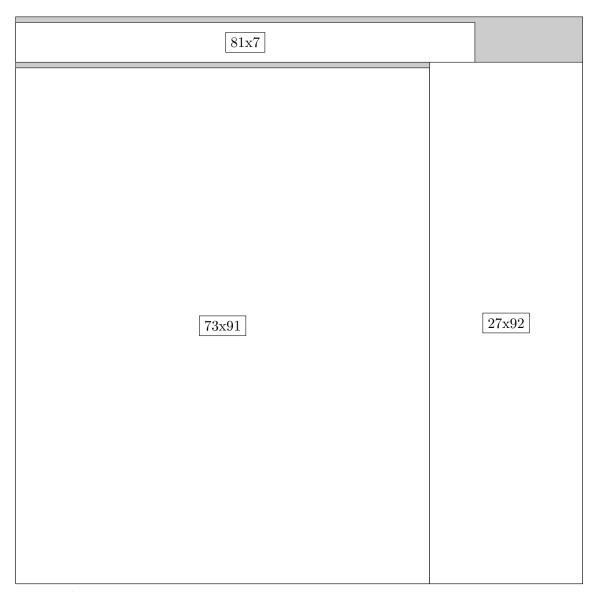


 $\begin{array}{l} w = \! 85 \; , \; h = \! 89 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7565 \\ w = \! 10 \; , \; h = \! 94 \; , \; x = \! 85 \; , \; y = \! 0 \; , \; v = \! 940 \\ w = \! 5 \; , \; h = \! 97 \; , \; x = \! 95 \; , \; y = \! 0 \; , \; v = \! 485 \end{array}$

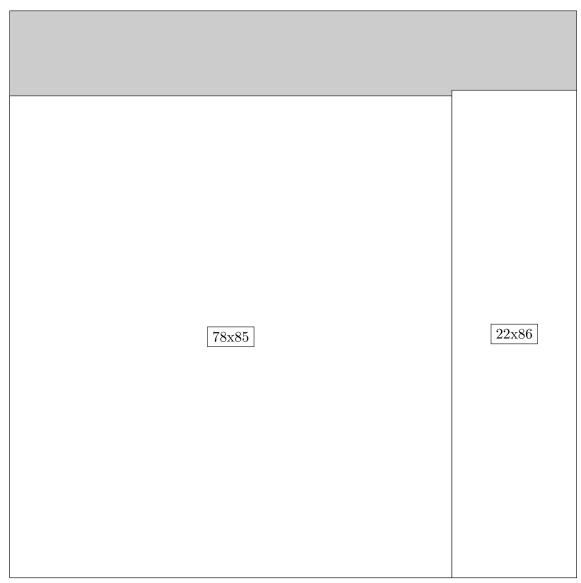


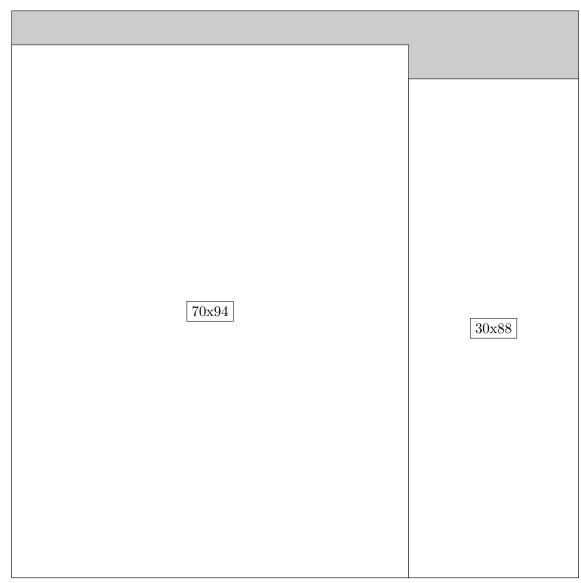
 $\begin{array}{l} w = \! 86 \; , \; h = \! 87 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7482 \\ w = \! 8 \; , \; h = \! 86 \; , \; x = \! 86 \; , \; y = \! 0 \; , \; v = \! 688 \\ w = \! 5 \; , \; h = \! 68 \; , \; x = \! 94 \; , \; y = \! 0 \; , \; v = \! 340 \end{array}$

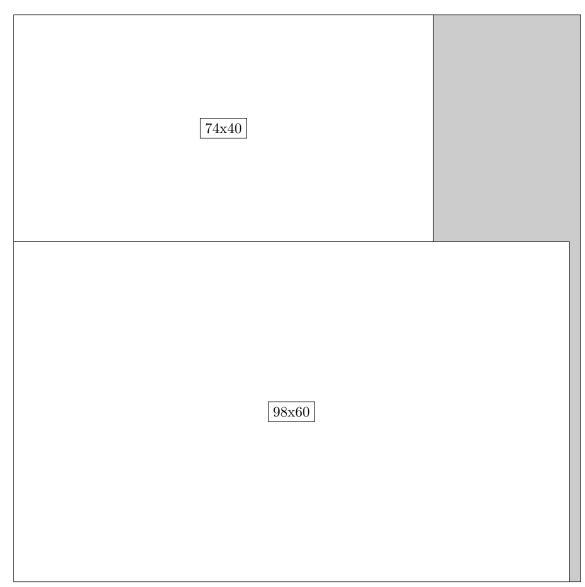




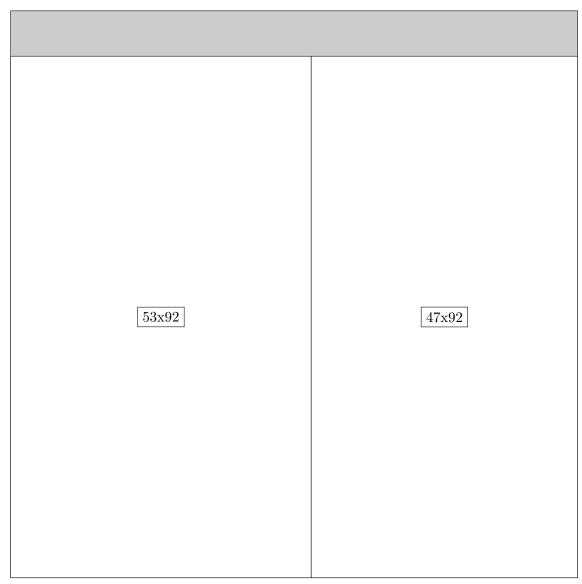
$$\begin{array}{l} w = \!\!\! 73 \ , \ h = \!\!\! 91 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 6643 \\ w = \!\!\! 27 \ , \ h = \!\!\! 92 \ , \ x = \!\!\! 73 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 2484 \\ w = \!\!\! 81 \ , \ h = \!\!\! 7 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 92 \ , \ v = \!\!\! 567 \end{array}$$



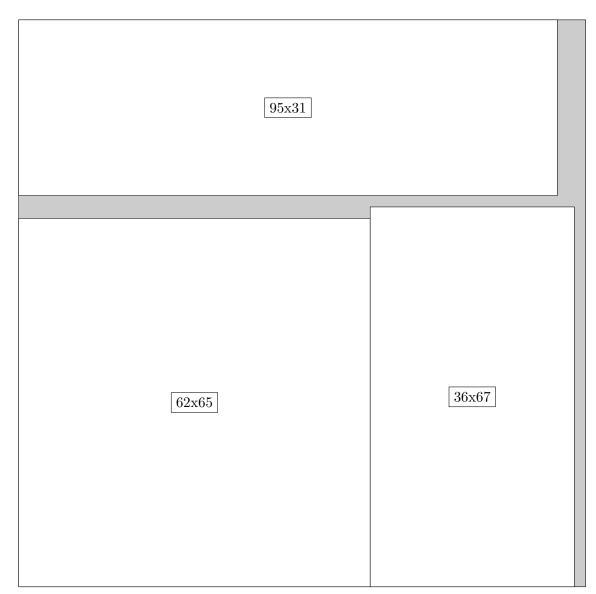




$$\begin{array}{c} w = 98 \; , \; h = 60 \; , \; x = 0 \; , \; y = 0 \; , \; v = 5880 \\ w = 74 \; , \; h = 40 \; , \; x = 0 \; , \; y = 60 \; , \; v = 2960 \end{array}$$



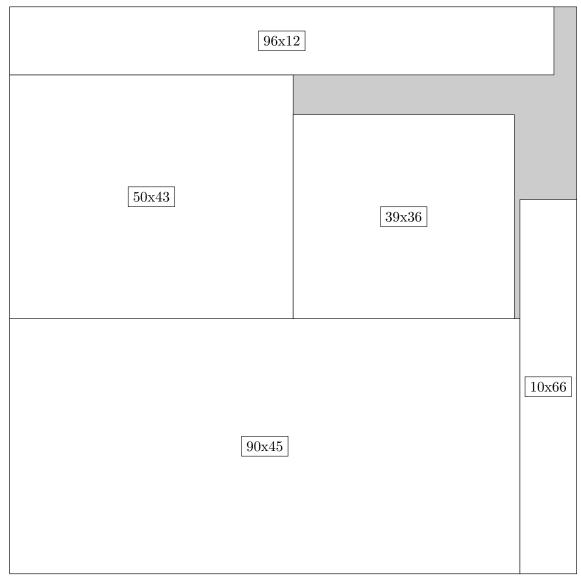
$$\begin{array}{c} w = \!\! 53 \; , \; h = \!\! 92 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4876 \\ w = \!\! 47 \; , \; h = \!\! 92 \; , \; x = \!\! 53 \; , \; y = \!\! 0 \; , \; v = \!\! 4324 \\ \end{array}$$



$$\mathbf{w}$$
 =62 , h =65 , x =0 , y =0 , v =4030

$$\le =95$$
 , h =31 , x =0 , y =69 , v =2945

$$\le =36$$
 , $h=67$, $x=62$, $y=0$, $v=2412$



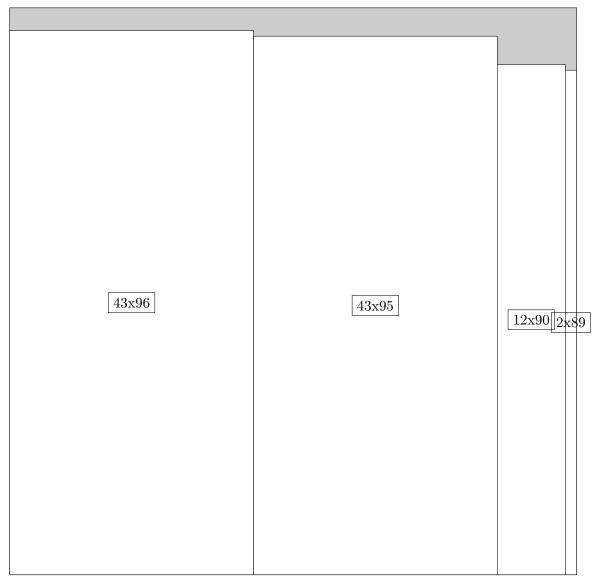
$$w=\!90$$
 , $h=\!45$, $x=\!0$, $y=\!0$, $v=\!4050$

$$\le =50$$
 , h =43 , x =0 , y =45 , v =2150

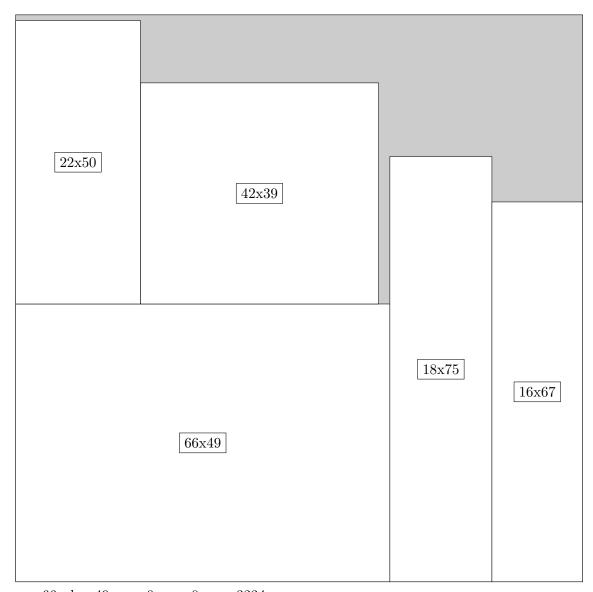
$$\le =39$$
 , h =36 , x =50 , y =45 , v =1404

$$\le =96$$
 , h =12 , x =0 , y =88 , v =1152

$$w = 10$$
, $h = 66$, $x = 90$, $y = 0$, $v = 660$



 $\begin{array}{l} w = \!\! 43 \ , \ h = \!\! 96 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4128 \\ w = \!\! 43 \ , \ h = \!\! 95 \ , \ x = \!\! 43 \ , \ y = \!\! 0 \ , \ v = \!\! 4085 \\ w = \!\! 12 \ , \ h = \!\! 90 \ , \ x = \!\! 86 \ , \ y = \!\! 0 \ , \ v = \!\! 1080 \\ w = \!\! 2 \ , \ h = \!\! 89 \ , \ x = \!\! 98 \ , \ y = \!\! 0 \ , \ v = \!\! 178 \end{array}$



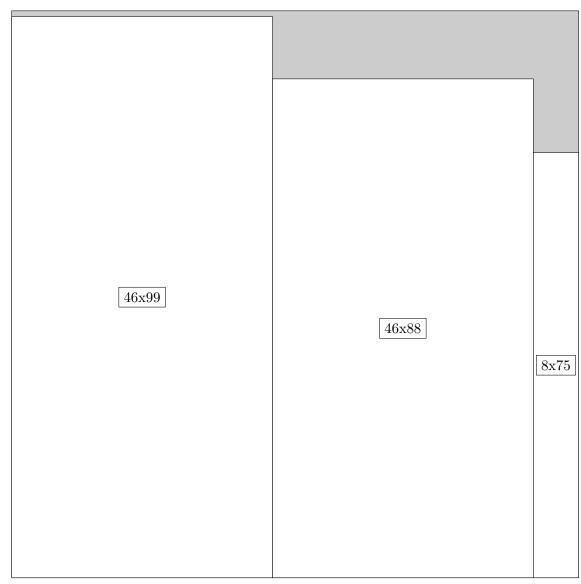
$$\le =66$$
 , h =49 , x =0 , y =0 , v =3234

$$\le =42$$
 , h =39 , x =22 , y =49 , v =1638

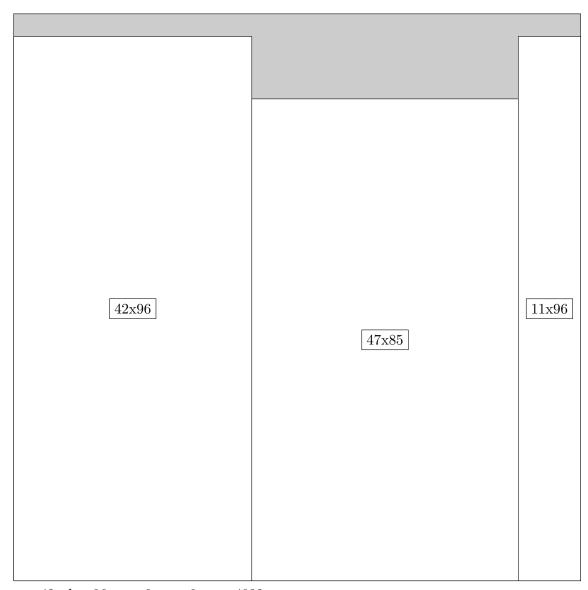
$$\le =18$$
 , h =75 , x =66 , y =0 , v =1350

$$\le =22$$
 , h =50 , x =0 , y =49 , v =1100

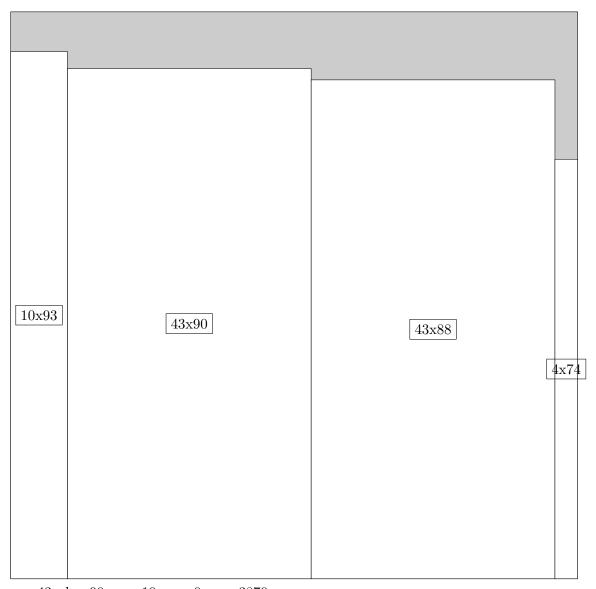
$$w = 16$$
, $h = 67$, $x = 84$, $y = 0$, $v = 1072$



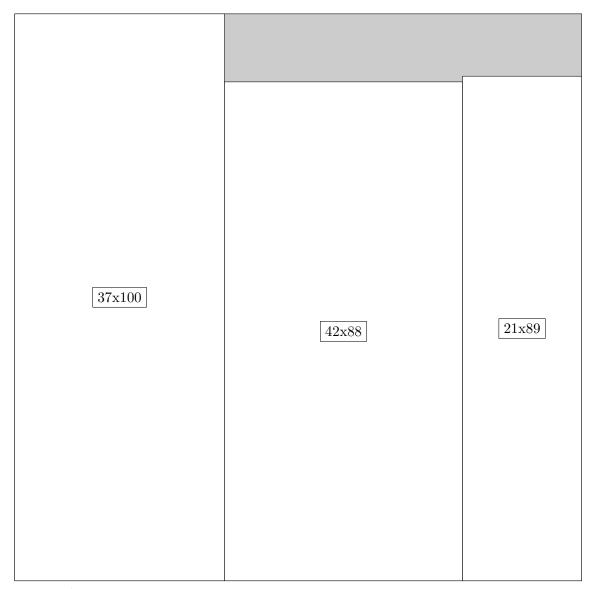
$$\begin{array}{l} w = 8 \ , \ h = 75 \ , \ x = 92 \ , \ y = 0 \ , \ v = 600 \\ w = 46 \ , \ h = 99 \ , \ x = 0 \ , \ y = 0 \ , \ v = 4554 \\ w = 46 \ , \ h = 88 \ , \ x = 46 \ , \ y = 0 \ , \ v = 4048 \end{array}$$



$$\begin{array}{l} w = \!\! 42 \ , \ h = \!\! 96 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4032 \\ w = \!\! 47 \ , \ h = \!\! 85 \ , \ x = \!\! 42 \ , \ y = \!\! 0 \ , \ v = \!\! 3995 \\ w = \!\! 11 \ , \ h = \!\! 96 \ , \ x = \!\! 89 \ , \ y = \!\! 0 \ , \ v = \!\! 1056 \end{array}$$



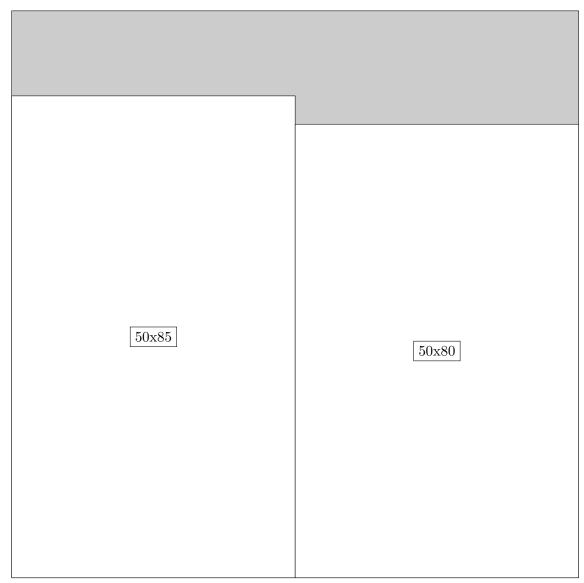
 $\begin{array}{l} w = \! 43 \ , \ h = \! 90 \ , \ x = \! 10 \ , \ y = \! 0 \ , \ v = \! 3870 \\ w = \! 43 \ , \ h = \! 88 \ , \ x = \! 53 \ , \ y = \! 0 \ , \ v = \! 3784 \\ w = \! 10 \ , \ h = \! 93 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 930 \\ w = \! 4 \ , \ h = \! 74 \ , \ x = \! 96 \ , \ y = \! 0 \ , \ v = \! 296 \end{array}$



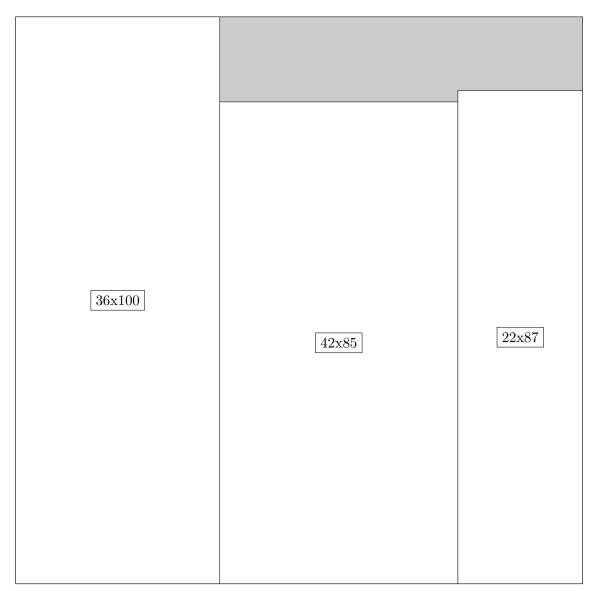
$$\le =37$$
 , h =100 , x =0 , y =0 , v =3700

$$\le =42$$
 , h =88 , x =37 , y =0 , v =3696

$$\le =21$$
 , h =89 , x =79 , y =0 , v =1869



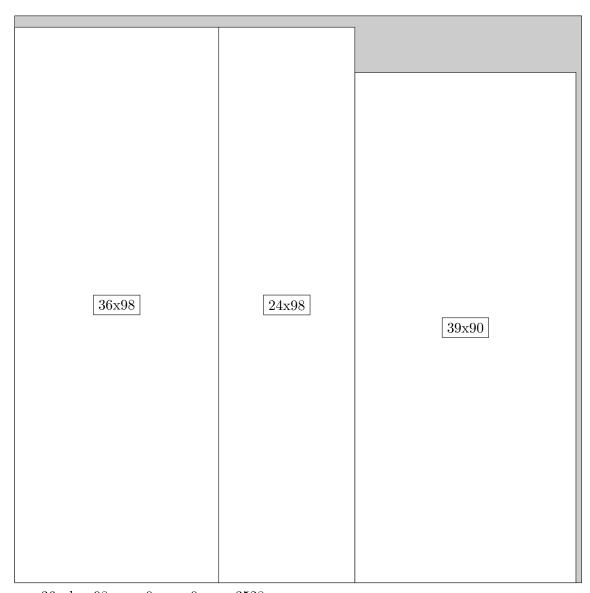
$$\begin{array}{c} w = \!\! 50 \; , \; h = \!\! 85 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 4250 \\ w = \!\! 50 \; , \; h = \!\! 80 \; , \; x = \!\! 50 \; , \; y = \!\! 0 \; , \; v = \!\! 4000 \\ \end{array}$$



 \mathbf{w} =36 , \mathbf{h} =100 , \mathbf{x} =0 , \mathbf{y} =0 , \mathbf{v} =3600

 $\le =42$, h=85 , x=36 , y=0 , v=3570

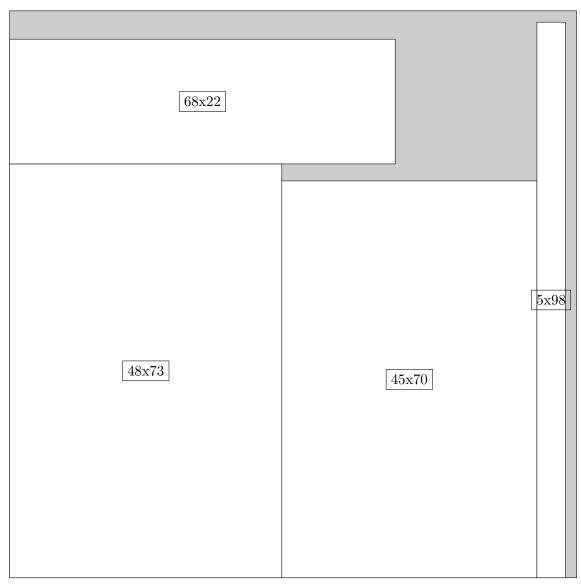
 $\le =22$, h =87 , x =78 , y =0 , v =1914



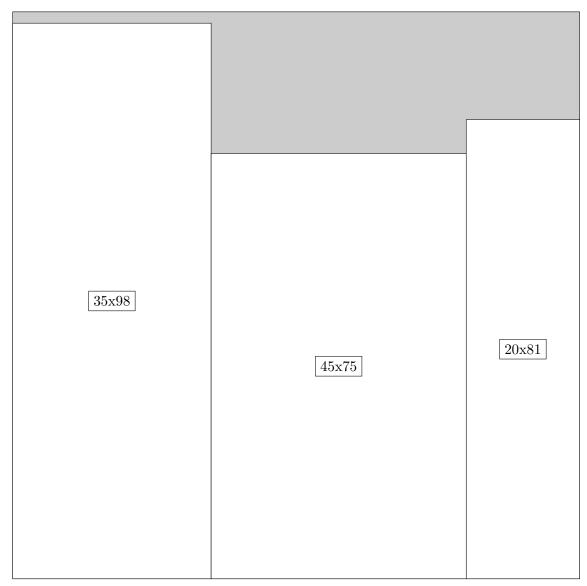
w = 36, h = 98, x = 0, y = 0, v = 3528

w = 39, h = 90, x = 60, y = 0, v = 3510

 $\le =24$, h =98 , x =36 , y =0 , v =2352

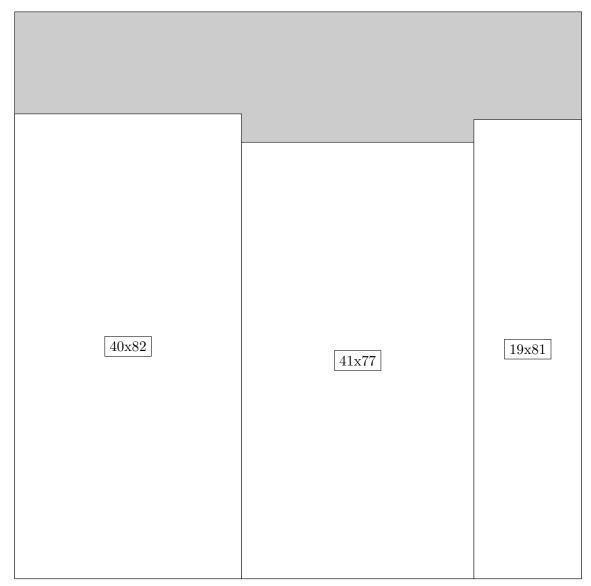


 $\begin{array}{l} w = \!\! 48 \ , \ h = \!\! 73 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3504 \\ w = \!\! 45 \ , \ h = \!\! 70 \ , \ x = \!\! 48 \ , \ y = \!\! 0 \ , \ v = \!\! 3150 \\ w = \!\! 68 \ , \ h = \!\! 22 \ , \ x = \!\! 0 \ , \ y = \!\! 73 \ , \ v = \!\! 1496 \\ w = \!\! 5 \ , \ h = \!\! 98 \ , \ x = \!\! 93 \ , \ y = \!\! 0 \ , \ v = \!\! 490 \end{array}$



$$\begin{array}{l} w = \! 35 \ , \ h = \! 98 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3430 \\ w = \! 45 \ , \ h = \! 75 \ , \ x = \! 35 \ , \ y = \! 0 \ , \ v = \! 3375 \end{array}$$

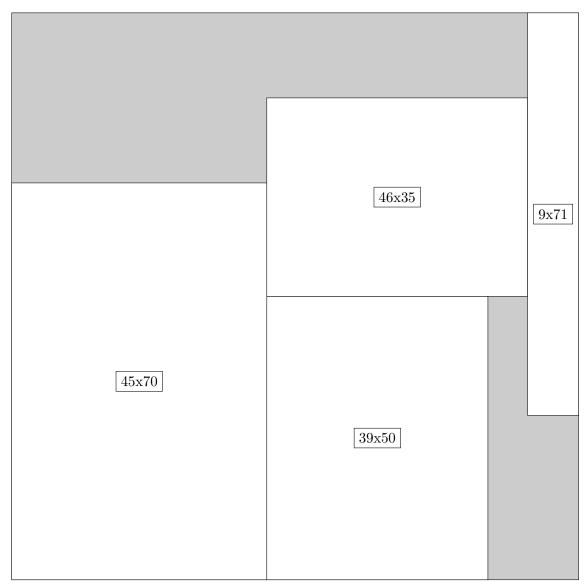
$$w = 20$$
 , $h = 81$, $x = 80$, $y = 0$, $v = 1620$



$$\mathbf{w}$$
 =40 , h =82 , x =0 , y =0 , v =3280

$$\le =41$$
 , $h=77$, $x=40$, $y=0$, $v=3157$

$$\le =19$$
 , h =81 , x =81 , y =0 , v =1539

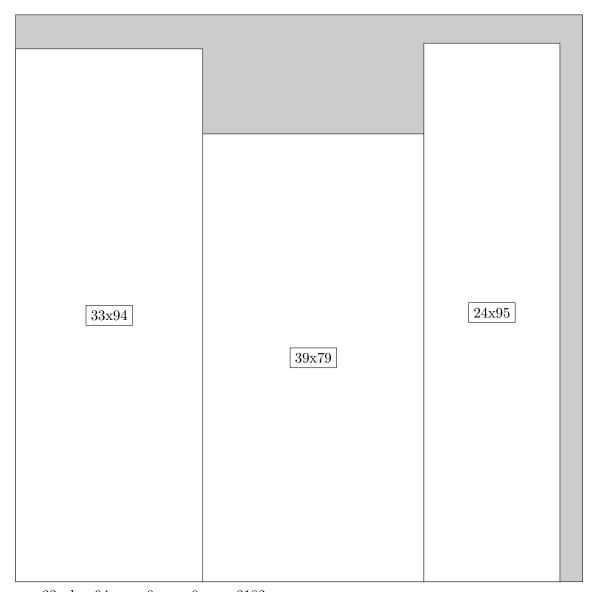


$$\le 45$$
 , h =70 , x =0 , y =0 , v =3150

$$\le =39$$
 , h =50 , x =45 , y =0 , v =1950

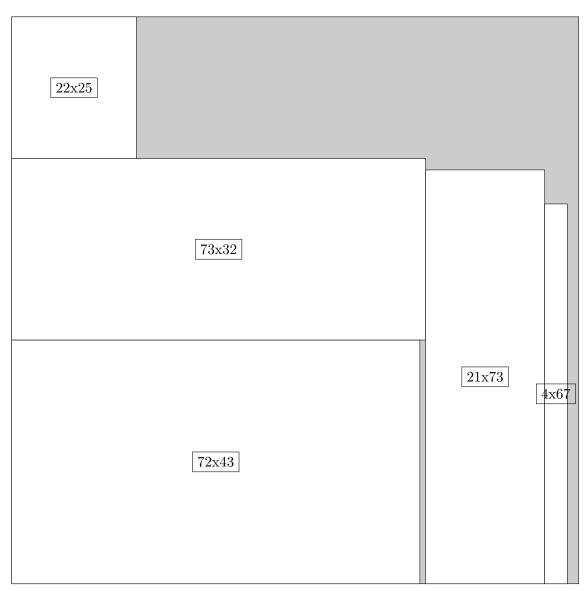
$$\le =46$$
 , h =35 , x =45 , y =50 , v =1610

$$w$$
 =9 , h =71 , x =91 , y =29 , v =639



$$\begin{array}{l} w = \! 33 \ , \ h = \! 94 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3102 \\ w = \! 39 \ , \ h = \! 79 \ , \ x = \! 33 \ , \ y = \! 0 \ , \ v = \! 3081 \end{array}$$

$$\le =24$$
 , h =95 , x =72 , y =0 , v =2280



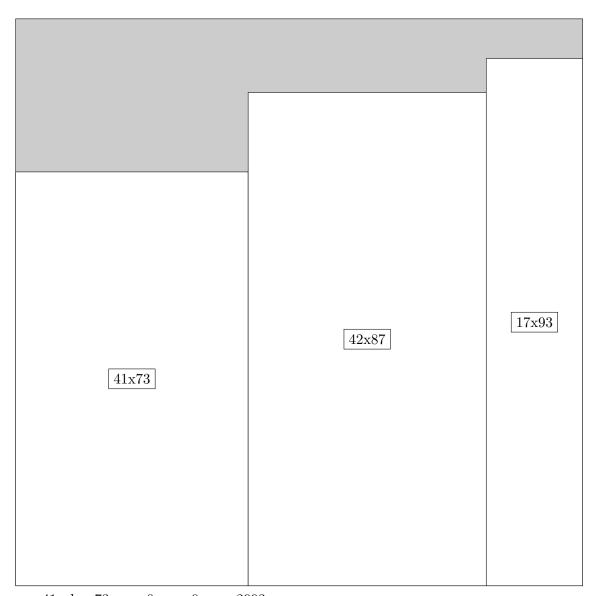
$$\mathbf{w}$$
 =72 , h =43 , x =0 , y =0 , v =3096

$$\le =73$$
 , h =32 , x =0 , y =43 , v =2336

$$\le =21$$
 , h =73 , x =73 , y =0 , v =1533

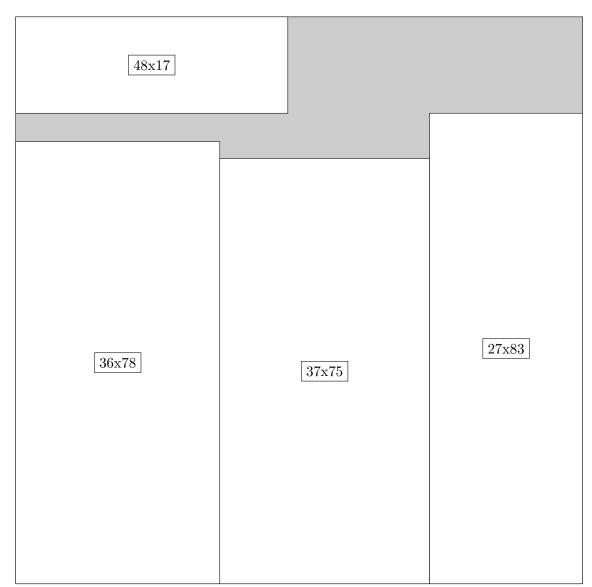
$$\le =22$$
 , h =25 , x =0 , y =75 , v =550

$$\mathbf{w}$$
 =4 , h =67 , x =94 , y =0 , v =268



$$\le =42$$
 , h =87 , x =41 , y =0 , v =3654

$$w=\!17$$
 , $h=\!93$, $x=\!83$, $y=\!0$, $v=\!1581$

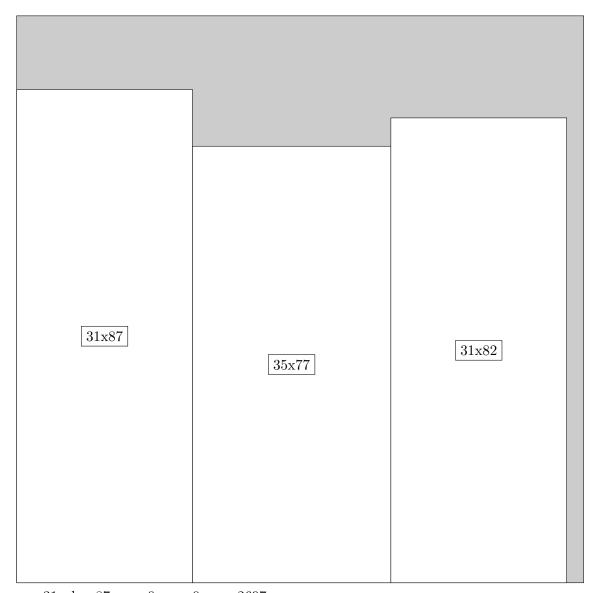


$$\le 36$$
 , h =
78 , x =
0 , y =
0 , v =
2808

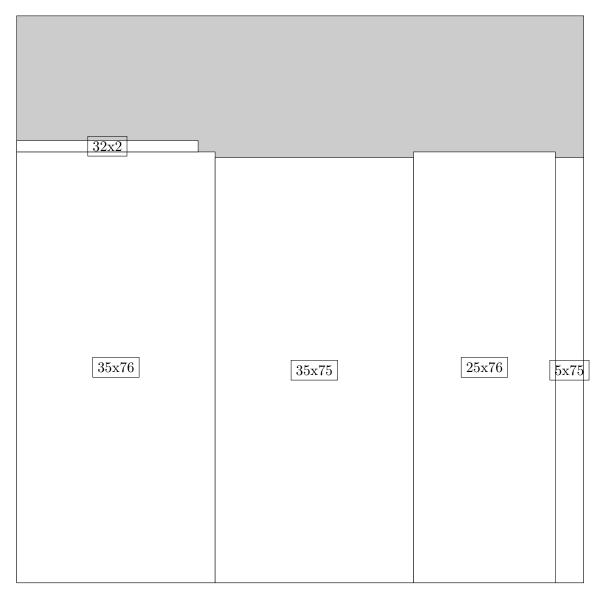
$$\le =37$$
 , h =75 , x =36 , y =0 , v =2775

$$\le =27$$
 , h =83 , x =73 , y =0 , v =2241

$$\le =48$$
 , $h=\!17$, $x=\!0$, $y=\!83$, $v=\!816$



$$\begin{array}{l} w = \! 31 \ , \ h = \! 87 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2697 \\ w = \! 35 \ , \ h = \! 77 \ , \ x = \! 31 \ , \ y = \! 0 \ , \ v = \! 2695 \end{array}$$



$$w = 35$$
, $h = 76$, $x = 0$, $y = 0$, $v = 2660$

$$\le =35$$
 , h =75 , x =35 , y =0 , v =2625

$$\le =25$$
 , h =76 , x =70 , y =0 , v =1900

$$w$$
 =5 , h =75 , x =95 , y =0 , v =375

$$\le =32$$
 , h =2 , x =0 , y =76 , v =64