$ClassName: \ Class_07.2bp-47$

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

TypeNum: <u>99</u>
Num: <u>100</u>
OutS: <u>290000</u>
InS: <u>243635</u>
Rate: <u>0.840</u>
UB: <u>29</u>
LB0: <u>29</u>
LB: <u>29</u>

LBWithCut: $\underline{\mathbf{29}}$ NodeCut: $\underline{\mathbf{0}}$

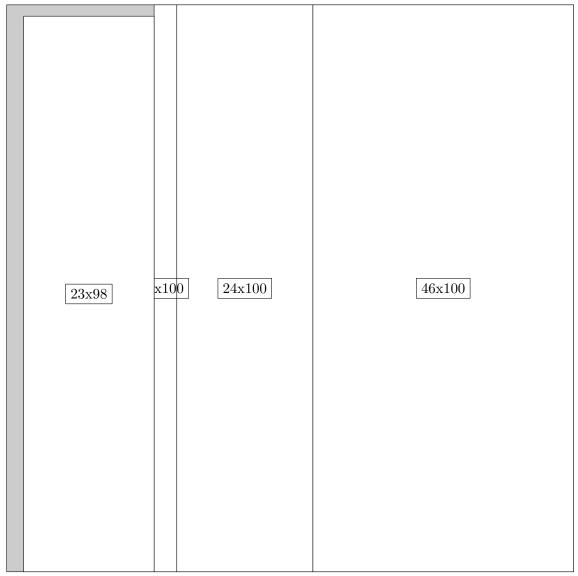
ExtendedNodeCnt: $\underline{\mathbf{1}}$

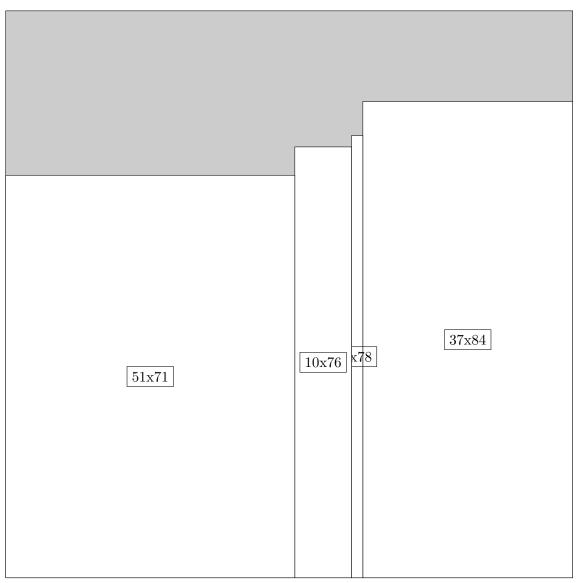
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{29}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

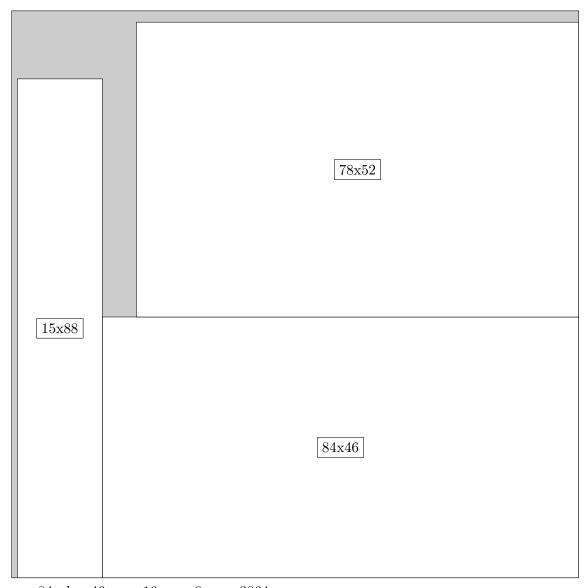
TimeOnInitSolution: $\underline{600.000 \text{ s}}$

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.328 s

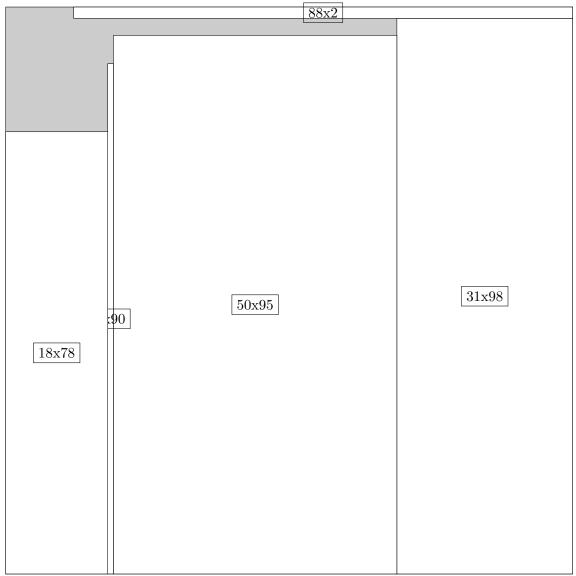




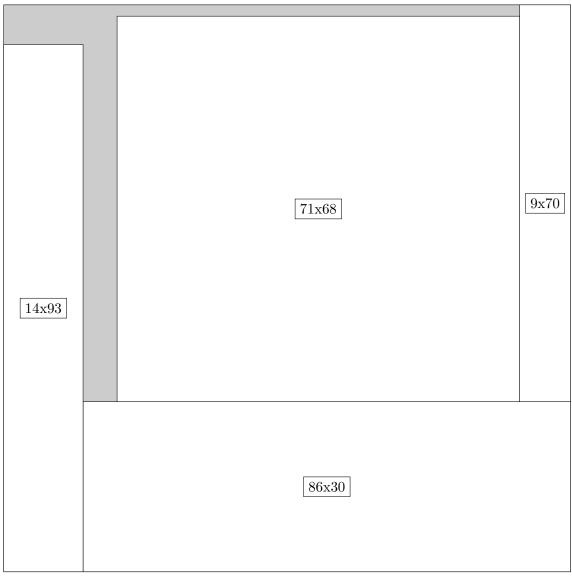
 $\begin{array}{l} w = \!\! 37 \;,\; h = \!\! 84 \;,\; x = \!\! 63 \;,\; y = \!\! 0 \;,\; v = \!\! 3108 \\ w = \!\! 2 \;,\; h = \!\! 78 \;,\; x = \!\! 61 \;,\; y = \!\! 0 \;,\; v = \!\! 156 \\ w = \!\! 10 \;,\; h = \!\! 76 \;,\; x = \!\! 51 \;,\; y = \!\! 0 \;,\; v = \!\! 760 \\ w = \!\! 51 \;,\; h = \!\! 71 \;,\; x = \!\! 0 \;,\; y = \!\! 0 \;,\; v = \!\! 3621 \end{array}$



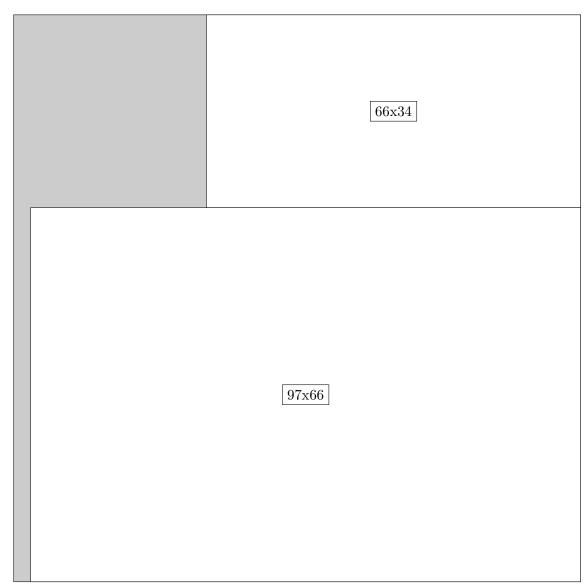
$$\begin{array}{l} w = \! 84 \ , \ h = \! 46 \ , \ x = \! 16 \ , \ y = \! 0 \ , \ v = \! 3864 \\ w = \! 78 \ , \ h = \! 52 \ , \ x = \! 22 \ , \ y = \! 46 \ , \ v = \! 4056 \\ w = \! 15 \ , \ h = \! 88 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 1320 \end{array}$$



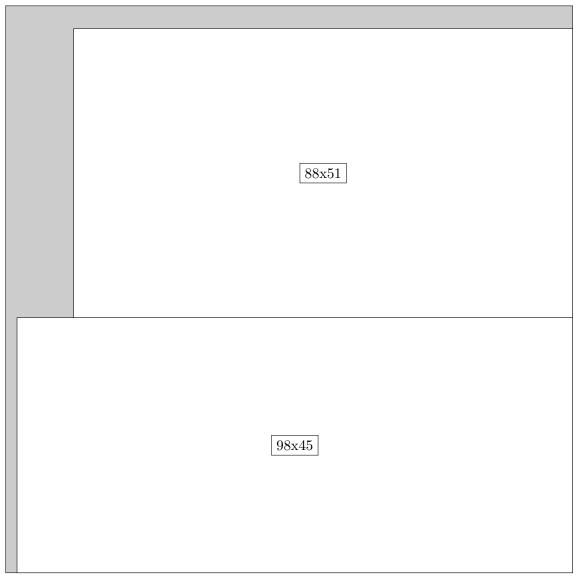
 $\begin{array}{l} w = & 31 \ , \ h = & 98 \ , \ x = & 69 \ , \ y = & 0 \ , \ v = & 3038 \\ w = & 50 \ , \ h = & 95 \ , \ x = & 19 \ , \ y = & 0 \ , \ v = & 4750 \\ w = & 1 \ , \ h = & 90 \ , \ x = & 18 \ , \ y = & 0 \ , \ v = & 90 \\ w = & 18 \ , \ h = & 78 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 1404 \\ w = & 88 \ , \ h = & 2 \ , \ x = & 12 \ , \ y = & 98 \ , \ v = & 176 \end{array}$

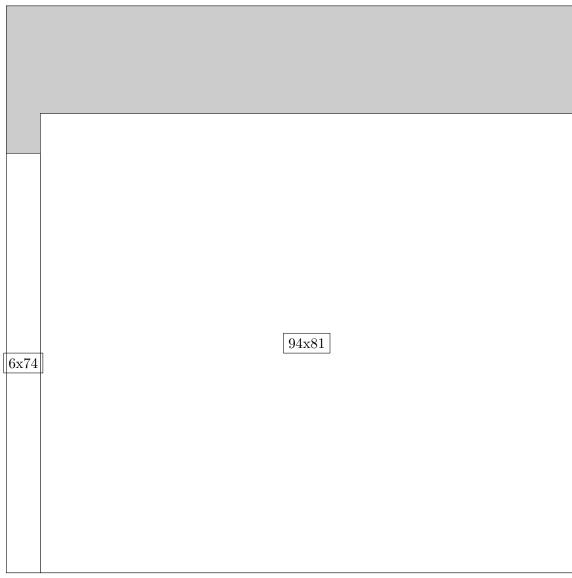


 $\begin{array}{l} w = \! 86 \ , \, h = \! 30 \ , \, x = \! 14 \ , \, y = \! 0 \ , \, v = \! 2580 \\ w = \! 9 \ , \, h = \! 70 \ , \, x = \! 91 \ , \, y = \! 30 \ , \, v = \! 630 \\ w = \! 71 \ , \, h = \! 68 \ , \, x = \! 20 \ , \, y = \! 30 \ , \, v = \! 4828 \\ w = \! 14 \ , \, h = \! 93 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 1302 \end{array}$

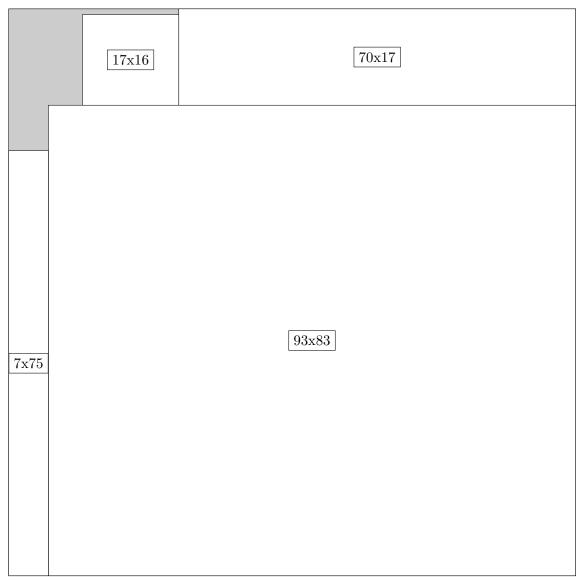


$$\begin{array}{l} w = \! 97 \; , \; h = \! 66 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 6402 \\ w = \! 66 \; , \; h = \! 34 \; , \; x = \! 34 \; , \; y = \! 66 \; , \; v = \! 2244 \end{array}$$

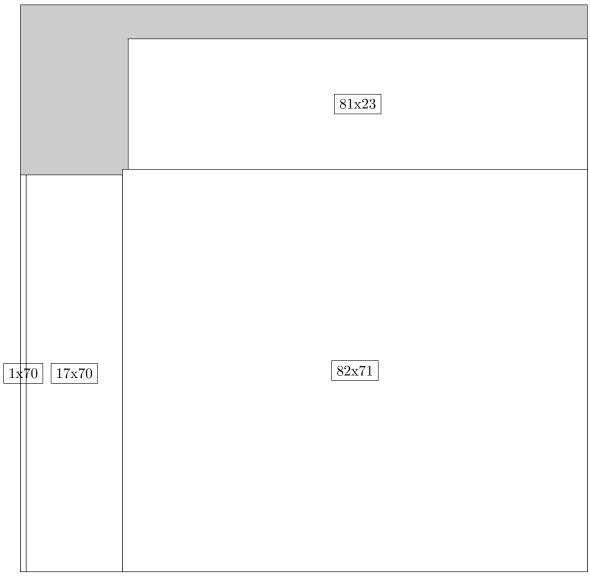




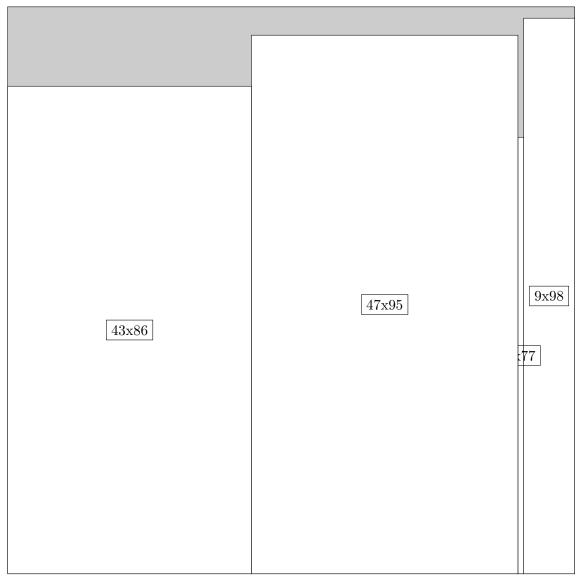
 $\begin{array}{l} w = \! 94 \ , \ h = \! 81 \ , \ x = \! 6 \ , \ y = \! 0 \ , \ v = \! 7614 \\ w = \! 6 \ , \ h = \! 74 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 444 \end{array}$



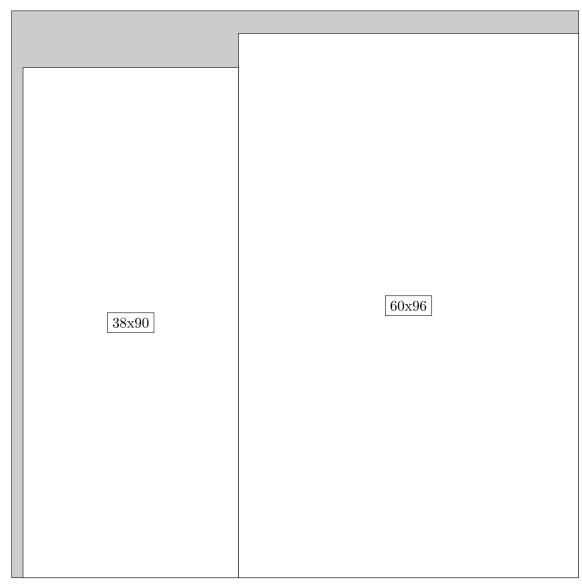
$$\begin{array}{l} w = \! 93 \ , \ h = \! 83 \ , \ x = \! 7 \ , \ y = \! 0 \ , \ v = \! 7719 \\ w = \! 70 \ , \ h = \! 17 \ , \ x = \! 30 \ , \ y = \! 83 \ , \ v = \! 1190 \\ w = \! 17 \ , \ h = \! 16 \ , \ x = \! 13 \ , \ y = \! 83 \ , \ v = \! 272 \\ w = \! 7 \ , \ h = \! 75 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 525 \end{array}$$

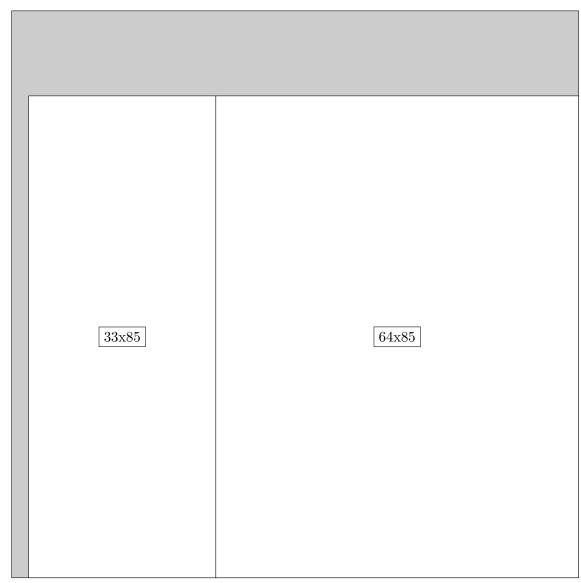


$$\begin{array}{l} w = \! 82 \; , \; h = \! 71 \; , \; x = \! 18 \; , \; y = \! 0 \; , \; v = \! 5822 \\ w = \! 17 \; , \; h = \! 70 \; , \; x = \! 1 \; , \; y = \! 0 \; , \; v = \! 1190 \\ w = \! 1 \; , \; h = \! 70 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 70 \\ w = \! 81 \; , \; h = \! 23 \; , \; x = \! 19 \; , \; y = \! 71 \; , \; v = \! 1863 \end{array}$$

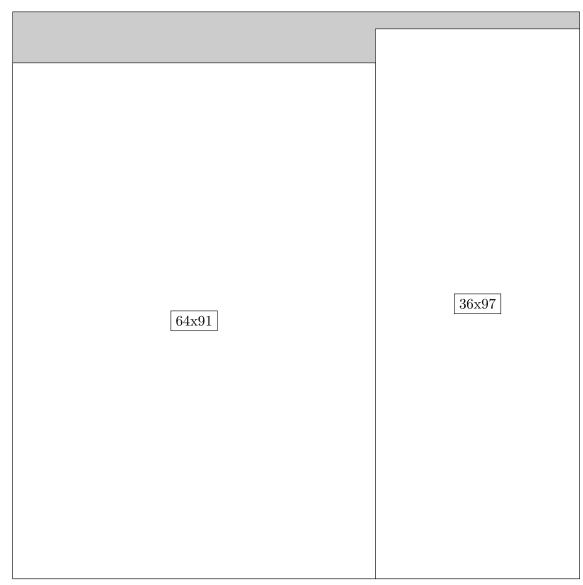


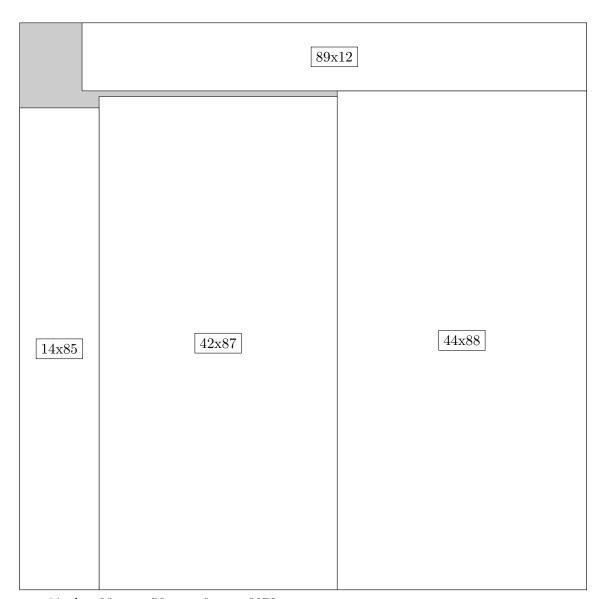
 $\begin{array}{l} w=9\ ,\ h=98\ ,\ x=91\ ,\ y=0\ ,\ v=882\\ w=1\ ,\ h=77\ ,\ x=90\ ,\ y=0\ ,\ v=77\\ w=47\ ,\ h=95\ ,\ x=43\ ,\ y=0\ ,\ v=4465\\ w=43\ ,\ h=86\ ,\ x=0\ ,\ y=0\ ,\ v=3698 \end{array}$





$$\begin{array}{l} w = \!64 \ , \ h = \!85 \ , \ x = \!36 \ , \ y = \!0 \ , \ v = \!5440 \\ w = \!33 \ , \ h = \!85 \ , \ x = \!3 \ , \ y = \!0 \ , \ v = \!2805 \end{array}$$



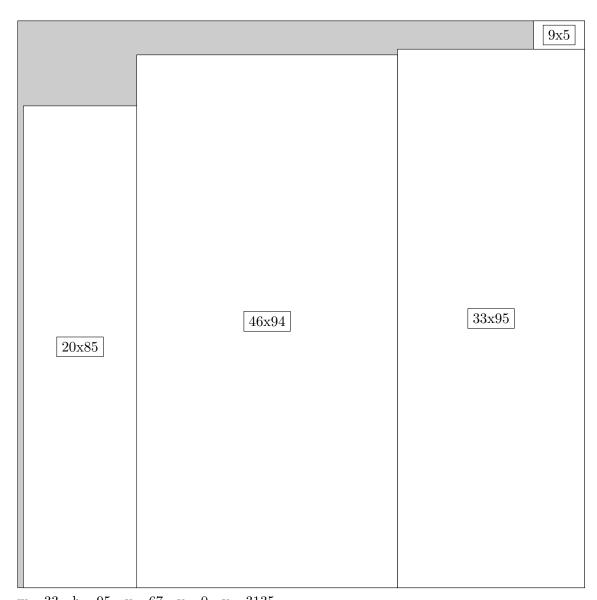


$$\le =44$$
 , $h=88$, $x=\!56$, $y=\!0$, $v=\!3872$

$$\le =42$$
 , h =87 , x =14 , y =0 , v =3654

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

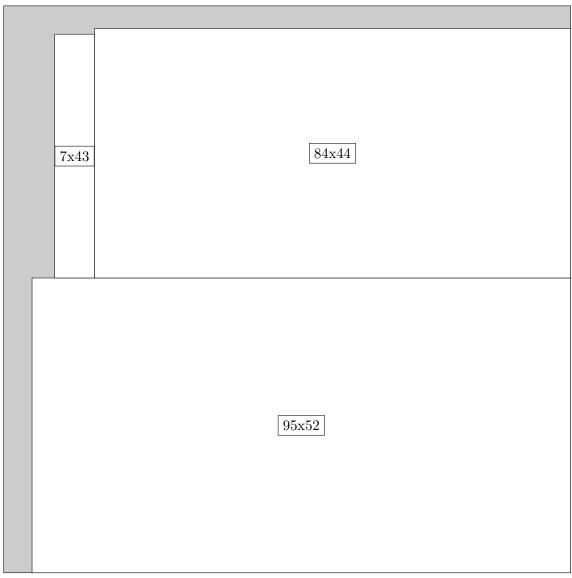
$$\le =89$$
 , h =12 , x =11 , y =88 , v =1068



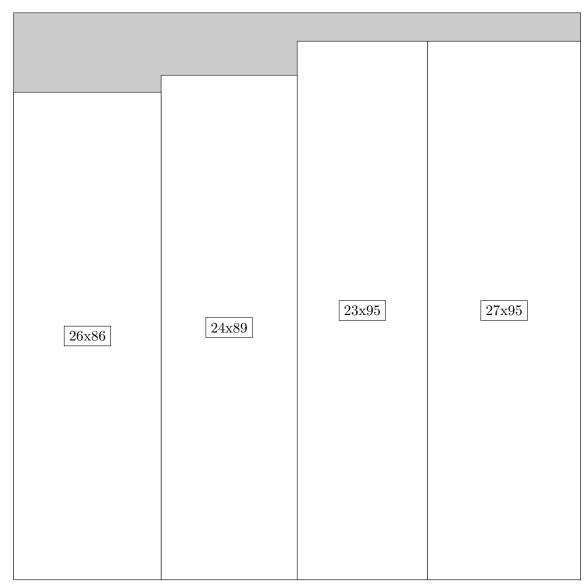
 $\begin{array}{c} w = \!\! 33 \; , \; h = \!\! 95 \; , \; x = \!\! 67 \; , \; y = \!\! 0 \; , \; v = \!\! 3135 \\ w = \!\! 9 \; , \; h = \!\! 5 \; , \; x = \!\! 91 \; , \; y = \!\! 95 \; , \; v = \!\! 45 \\ \end{array}$

 $\le =46$, h =94 , x =21 , y =0 , v =4324

 $\le =20$, h =85 , x =1 , y =0 , v =1700



$$\begin{array}{l} w = \! 95 \ , \ h = \! 52 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 4940 \\ w = \! 84 \ , \ h = \! 44 \ , \ x = \! 16 \ , \ y = \! 52 \ , \ v = \! 3696 \\ w = \! 7 \ , \ h = \! 43 \ , \ x = \! 9 \ , \ y = \! 52 \ , \ v = \! 301 \end{array}$$

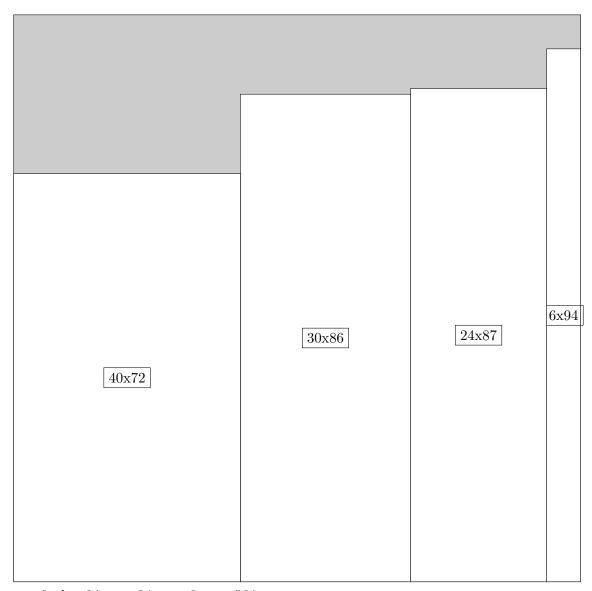


w =27 , h =95 , x =73 , y =0 , v =2565

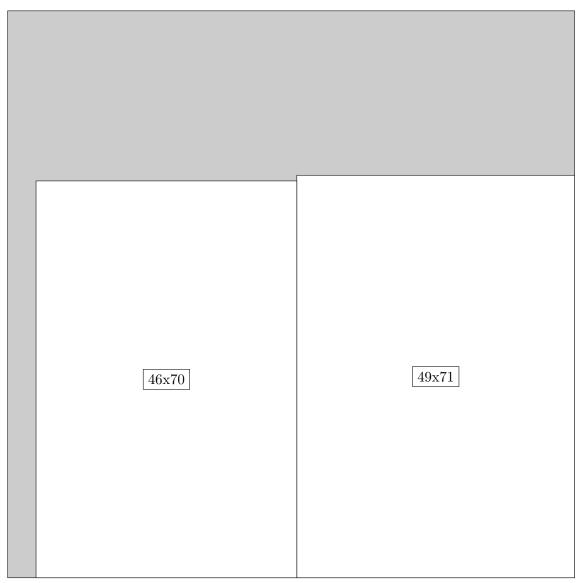
w = 23, h = 95, x = 50, y = 0, v = 2185

 $\le =24$, h =89 , x =26 , y =0 , v =2136

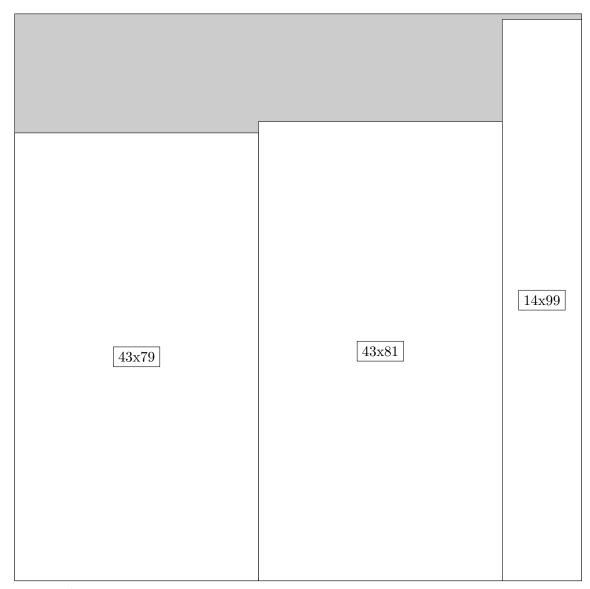
 $\le =26$, h=86 , x=0 , y=0 , v=2236



$$\begin{array}{l} w=6 \ , \ h=94 \ , \ x=94 \ , \ y=0 \ , \ v=564 \\ w=24 \ , \ h=87 \ , \ x=70 \ , \ y=0 \ , \ v=2088 \\ w=30 \ , \ h=86 \ , \ x=40 \ , \ y=0 \ , \ v=2580 \\ w=40 \ , \ h=72 \ , \ x=0 \ , \ y=0 \ , \ v=2880 \end{array}$$



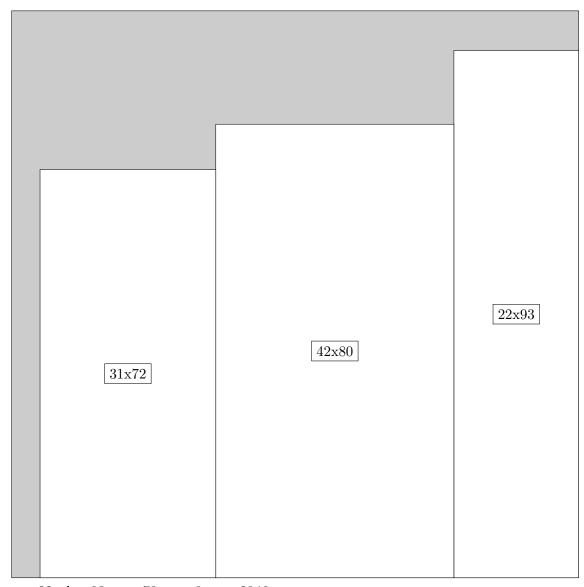
$$\begin{array}{l} w = \! 49 \ , \ h = \! 71 \ , \ x = \! 51 \ , \ y = \! 0 \ , \ v = \! 3479 \\ w = \! 46 \ , \ h = \! 70 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 3220 \end{array}$$



$$\le =14$$
 , h =99 , x =86 , y =0 , v =1386

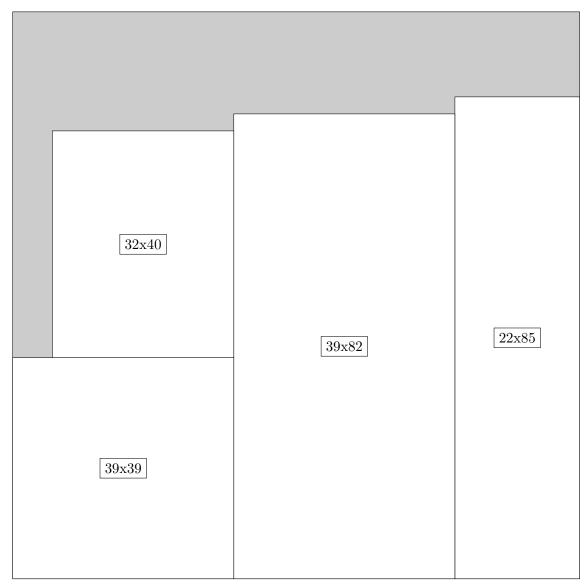
$$\le =43$$
 , h =81 , x =43 , y =0 , v =3483

$$\le =43$$
 , h =79 , x =0 , y =0 , v =3397



$$w$$
 =22 , h =93 , x =78 , y =0 , v =2046 w =42 , h =80 , x =36 , y =0 , v =3360

$$w = 31$$
, $h = 72$, $x = 5$, $y = 0$, $v = 2232$

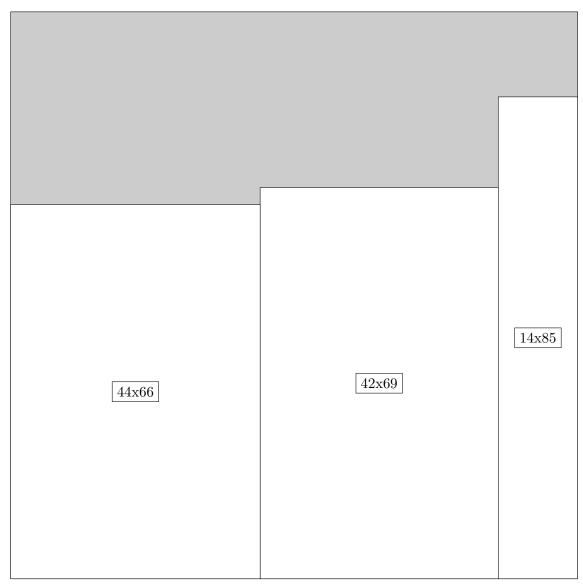


$$\le =22$$
 , h =85 , x =78 , y =0 , v =1870

$$\le =39$$
 , h =82 , x =39 , y =0 , v =3198

$$\le =39$$
 , h =39 , x =0 , y =0 , v =1521

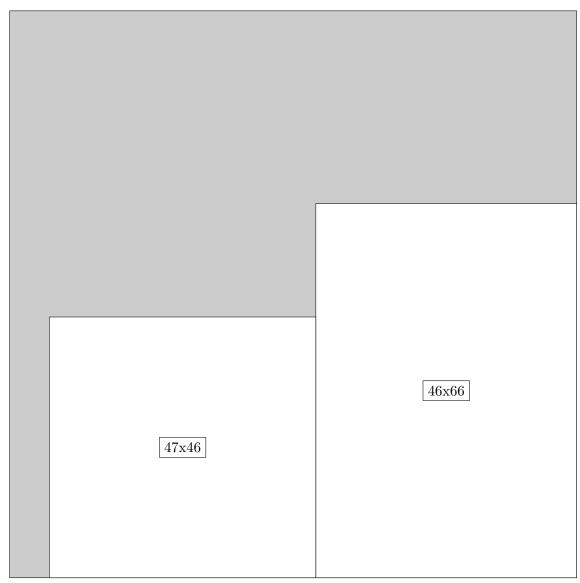
$$\le =32$$
 , h =40 , x =7 , y =39 , v =1280

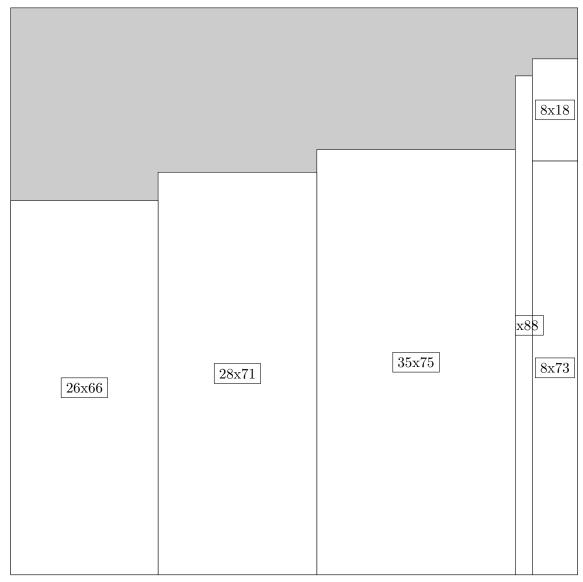


$$w = 14$$
 , $h = 85$, $x = 86$, $y = 0$, $v = 1190$

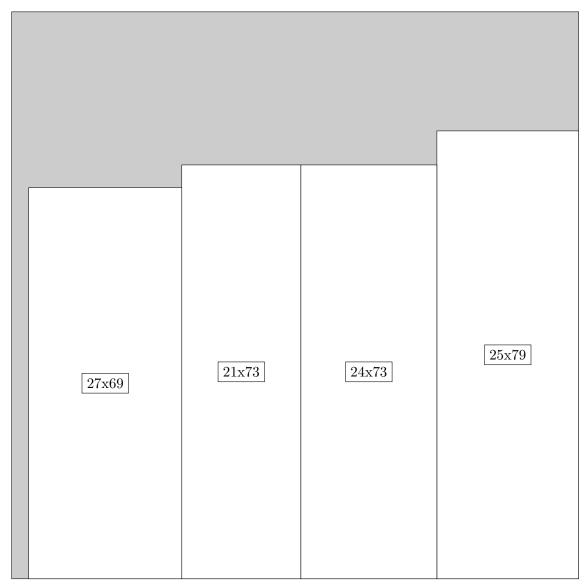
$$\le =42$$
 , $h=69$, $x=44$, $y=0$, $v=2898$

$$\le =44$$
 , h =66 , x =0 , y =0 , v =2904





$$\begin{array}{l} w=8 \ , \ h=73 \ , \ x=92 \ , \ y=0 \ , \ v=584 \\ w=8 \ , \ h=18 \ , \ x=92 \ , \ y=73 \ , \ v=144 \\ w=3 \ , \ h=88 \ , \ x=89 \ , \ y=0 \ , \ v=264 \\ w=35 \ , \ h=75 \ , \ x=54 \ , \ y=0 \ , \ v=2625 \\ w=28 \ , \ h=71 \ , \ x=26 \ , \ y=0 \ , \ v=1988 \\ w=26 \ , \ h=66 \ , \ x=0 \ , \ y=0 \ , \ v=1716 \end{array}$$

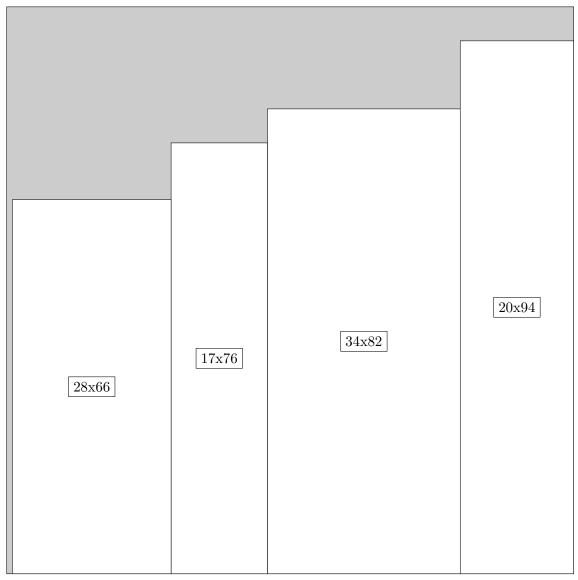


$$\mathbf{w}$$
 =25 , h =79 , x =75 , y =0 , v =1975

$$w = 24$$
, $h = 73$, $x = 51$, $y = 0$, $v = 1752$

$$\le =21$$
 , h =73 , x =30 , y =0 , v =1533

$$\mathbf{w}$$
 =27 , h =69 , x =3 , y =0 , v =1863

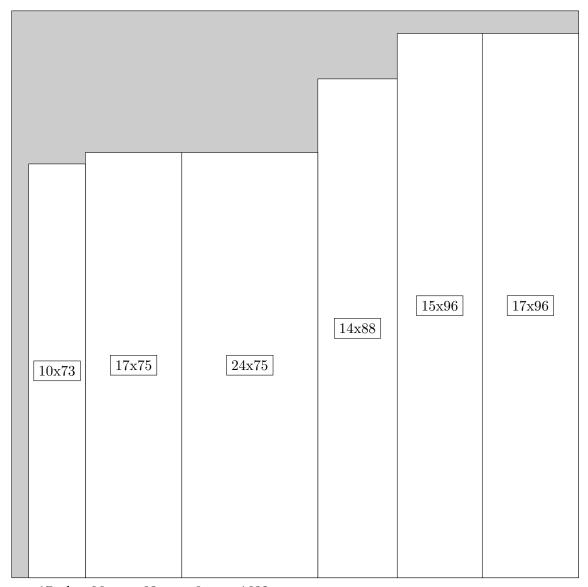


w = 20, h = 94, x = 80, y = 0, v = 1880

 $\le =34$, h =82 , x =46 , y =0 , v =2788

 $\le =17$, h = 76 , x = 29 , y = 0 , v = 1292

 $\le =28$, h =66 , x =1 , y =0 , v =1848



$$\begin{array}{l} w = \! 17 \; , \; h = \! 96 \; , \; x = \! 83 \; , \; y = \! 0 \; , \; v = \! 1632 \\ w = \! 15 \; , \; h = \! 96 \; , \; x = \! 68 \; , \; y = \! 0 \; , \; v = \! 1440 \\ w = \! 14 \; , \; h = \! 88 \; , \; x = \! 54 \; , \; y = \! 0 \; , \; v = \! 1232 \\ w = \! 24 \; , \; h = \! 75 \; , \; x = \! 30 \; , \; y = \! 0 \; , \; v = \! 1800 \\ w = \! 17 \; , \; h = \! 75 \; , \; x = \! 13 \; , \; y = \! 0 \; , \; v = \! 1275 \\ w = \! 10 \; , \; h = \! 73 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 730 \\ \end{array}$$