$ClassName: \ Class_05.2bp-47$

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

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>290000</u> InS: <u>262878</u> Rate: <u>0.906</u> UB: <u>29</u> LB0: <u>29</u>

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

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

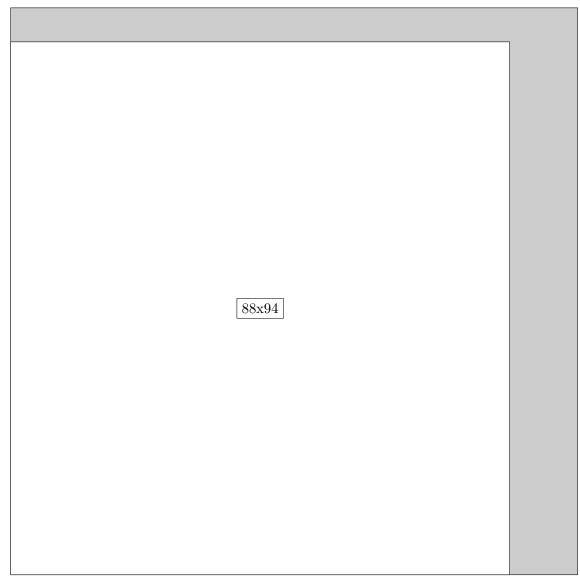
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{217}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{188}}$ PricingSolverCnt: $\underline{\mathbf{187}}$

BranchAndBoundNum: 1

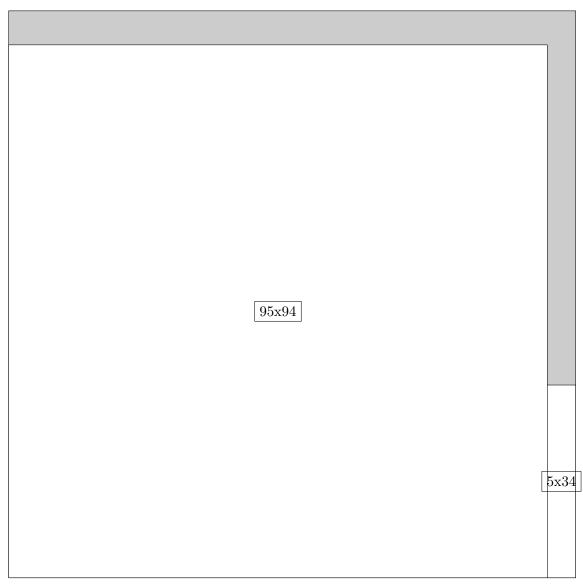
is Opt: $\underline{\mathbf{true}}$

TimeOnInitSolution: $\underline{120.180 \text{ s}}$

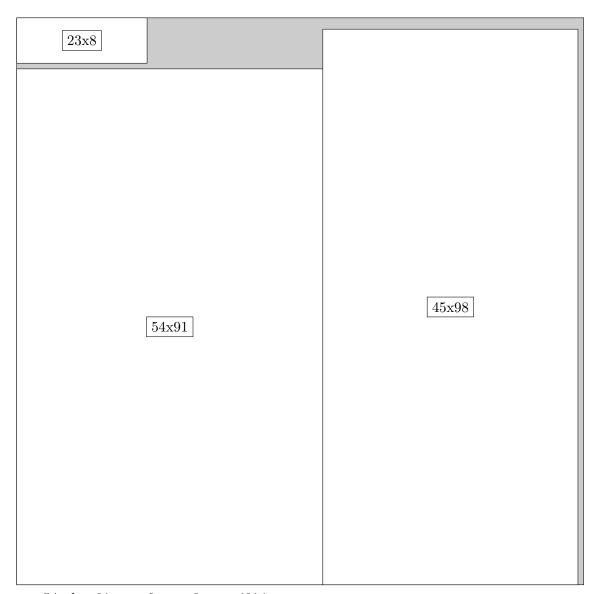
TimeOnPrimal: 0.000 sTimeOnPricing: 255.807 sTimeOnRmp: 0.128 sTotalTime: 376.274 s



 $\le =88$, h =94 , x =0 , y =0 , v =8272

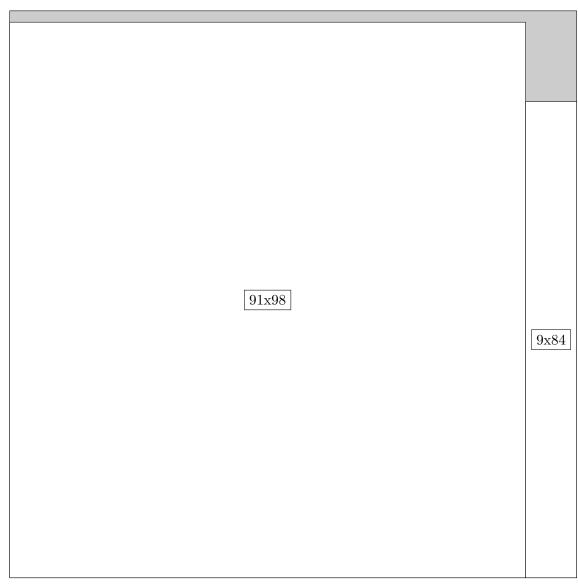


$$\begin{array}{l} w = \! 95 \ , \, h = \! 94 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 8930 \\ w = \! 5 \ , \, h = \! 34 \ , \, x = \! 95 \ , \, y = \! 0 \ , \, v = \! 170 \end{array}$$

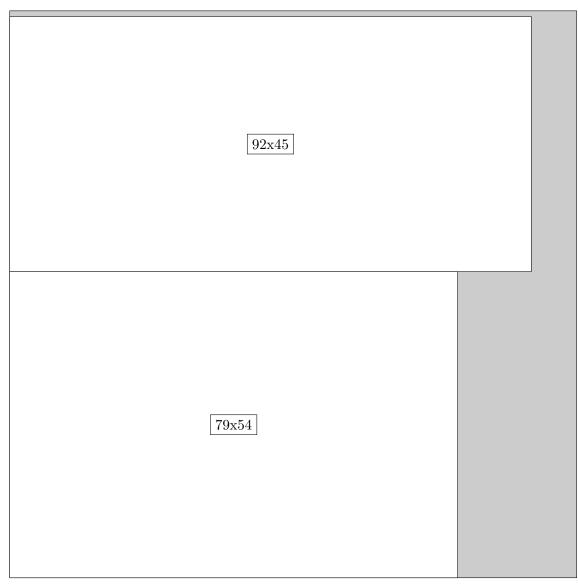


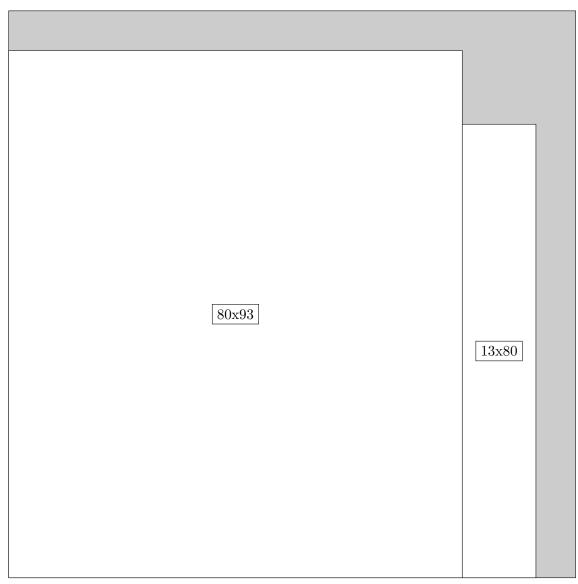
 $\begin{array}{l} w = \!\!54 \ , \ h = \!\!91 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!4914 \\ w = \!\!45 \ , \ h = \!\!98 \ , \ x = \!\!54 \ , \ y = \!\!0 \ , \ v = \!\!4410 \end{array}$

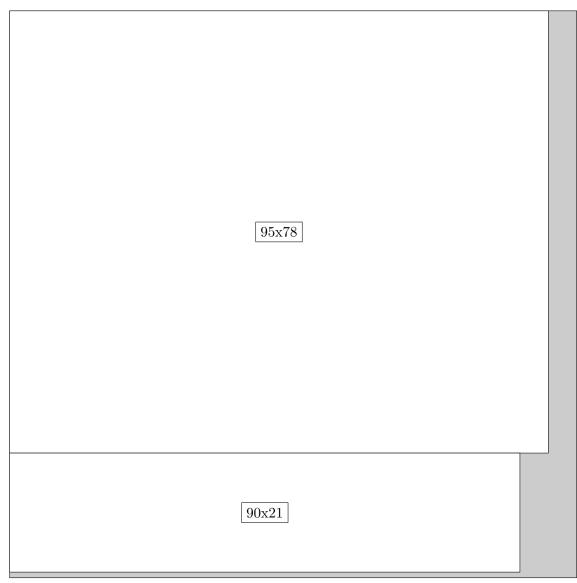
 $\le =23$, h=8 , x=0 , y=92 , v=184



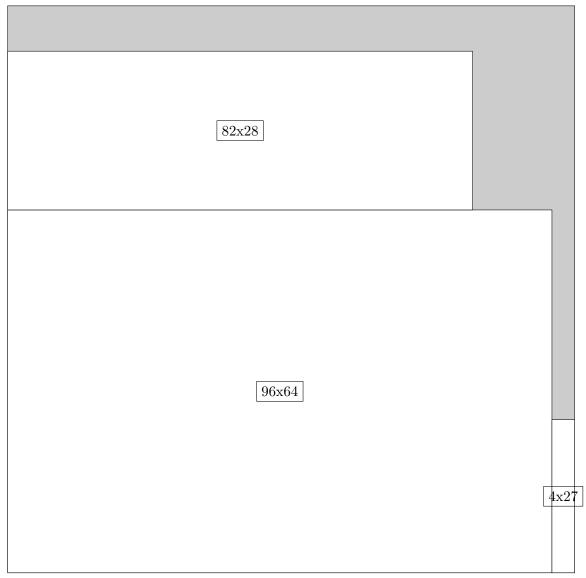
 $\begin{array}{l} w = \! 91 \ , \ h = \! 98 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 8918 \\ w = \! 9 \ , \ h = \! 84 \ , \ x = \! 91 \ , \ y = \! 0 \ , \ v = \! 756 \end{array}$



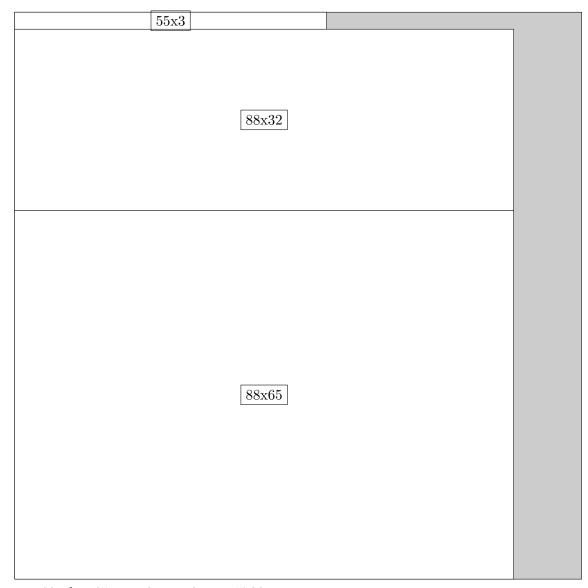




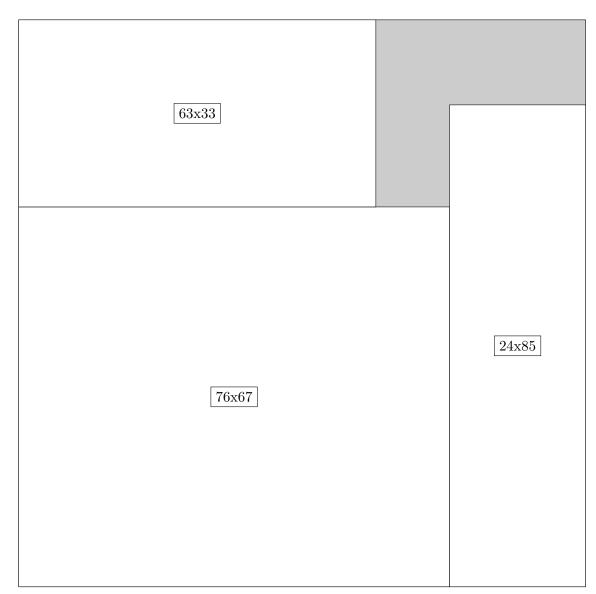
$$\begin{array}{l} w = \! 95 \ , \ h = \! 78 \ , \ x = \! 0 \ , \ y = \! 22 \ , \ v = \! 7410 \\ w = \! 90 \ , \ h = \! 21 \ , \ x = \! 0 \ , \ y = \! 1 \ , \ v = \! 1890 \end{array}$$



 $\begin{array}{l} w = \! 96 \ , \ h = \! 64 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6144 \\ w = \! 82 \ , \ h = \! 28 \ , \ x = \! 0 \ , \ y = \! 64 \ , \ v = \! 2296 \\ w = \! 4 \ , \ h = \! 27 \ , \ x = \! 96 \ , \ y = \! 0 \ , \ v = \! 108 \end{array}$



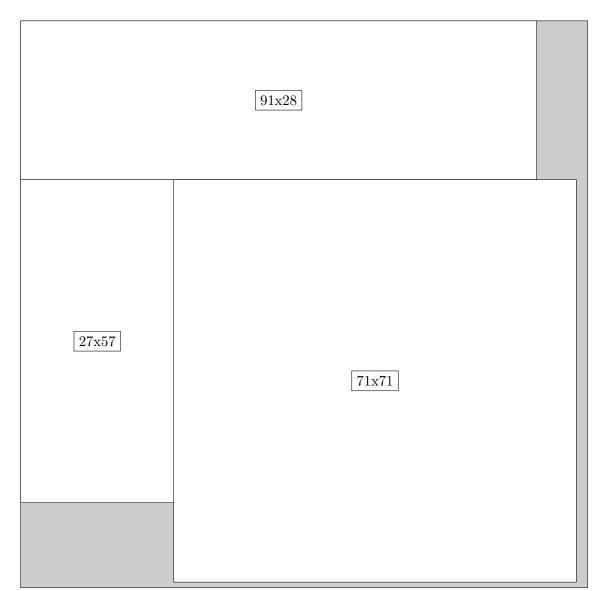
$$\begin{array}{l} w = \! 88 \ , \ h = \! 65 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5720 \\ w = \! 88 \ , \ h = \! 32 \ , \ x = \! 0 \ , \ y = \! 65 \ , \ v = \! 2816 \\ w = \! 55 \ , \ h = \! 3 \ , \ x = \! 0 \ , \ y = \! 97 \ , \ v = \! 165 \end{array}$$



$$\mathbf{w}$$
 =76 , \mathbf{h} =67 , \mathbf{x} =0 , \mathbf{y} =0 , \mathbf{v} =5092

$$\le =63$$
 , h =33 , x =0 , y =67 , v =2079

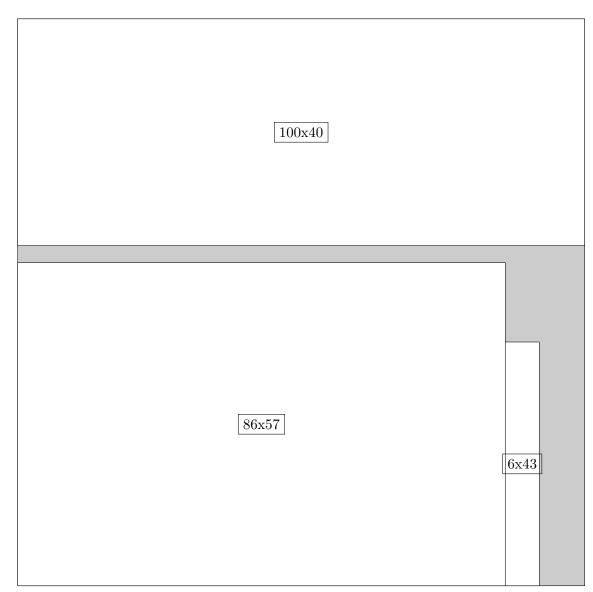
$$\le =24$$
 , h =85 , x =76 , y =0 , v =2040



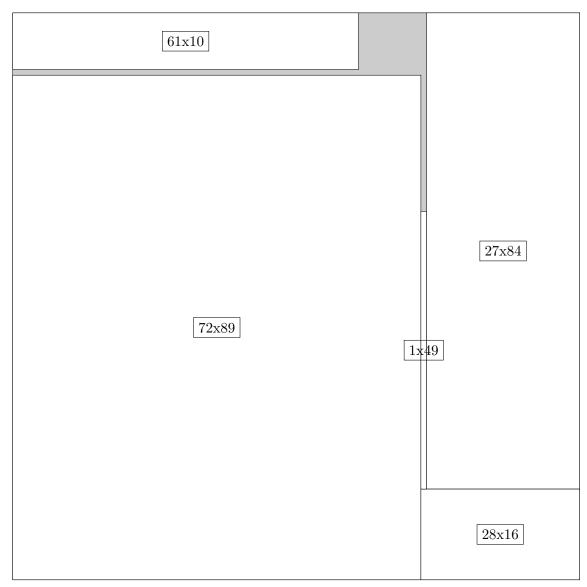
$$\le =27$$
 , h =57 , x =0 , y =15 , v =1539

$$\le =91$$
 , h =28 , x =0 , y =72 , v =2548

$$w$$
 =71 , h =71 , x =27 , y =1 , v =5041



$$\begin{array}{l} w = \! 86 \; , \; h = \! 57 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4902 \\ w = \! 100 \; , \; h = \! 40 \; , \; x = \! 0 \; , \; y = \! 60 \; , \; v = \! 4000 \\ w = \! 6 \; , \; h = \! 43 \; , \; x = \! 86 \; , \; y = \! 0 \; , \; v = \! 258 \end{array}$$



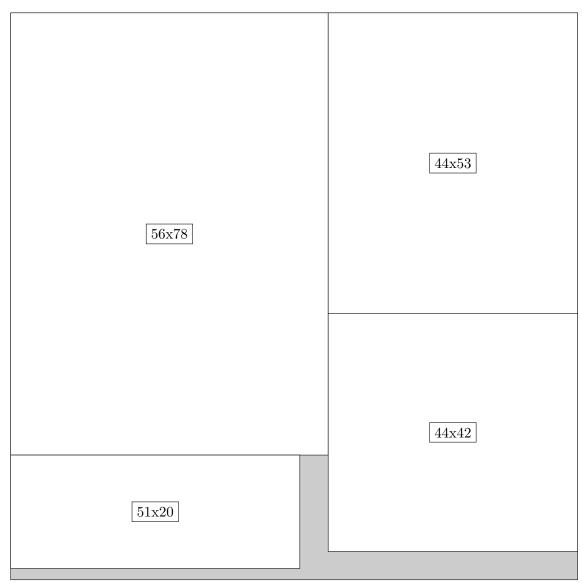
$$\mathbf{w}$$
 =72 , h =89 , x =0 , y =0 , v =6408

$$\le =27$$
 , h =84 , x =73 , y =16 , v =2268

$$\le =28$$
 , h =16 , x =72 , y =0 , v =448

$$\mathbf{w} = \!\! 1$$
 , $\mathbf{h} = \!\! 49$, $\mathbf{x} = \!\! 72$, $\mathbf{y} = \!\! 16$, $\mathbf{v} = \!\! 49$

$$\mathbf{w}$$
 =61 , h =10 , x =0 , y =90 , v =610

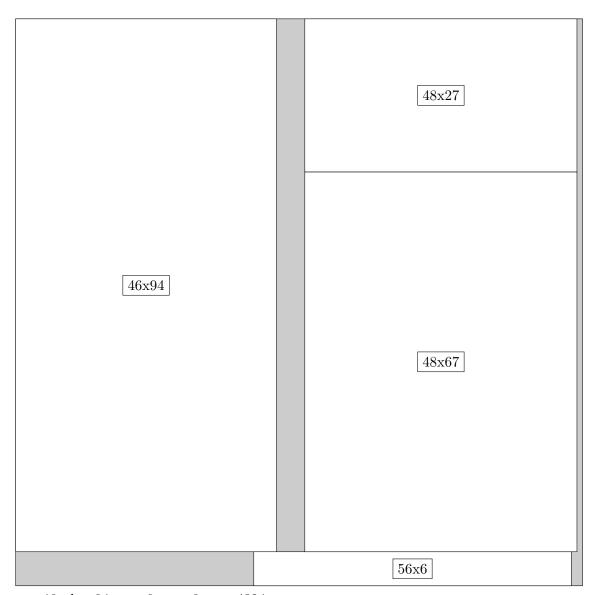


$$\le =56$$
 , $h=78$, $x=0$, $y=22$, $v=4368$

$$\le =51$$
 , h =20 , x =0 , y =2 , v =1020

$$\le =44$$
 , h =53 , x =56 , y =47 , v =2332

$$\mathbf{w}=\!\!44$$
 , $\mathbf{h}=\!\!42$, $\mathbf{x}=\!\!56$, $\mathbf{y}=\!\!5$, $\mathbf{v}=\!\!1848$

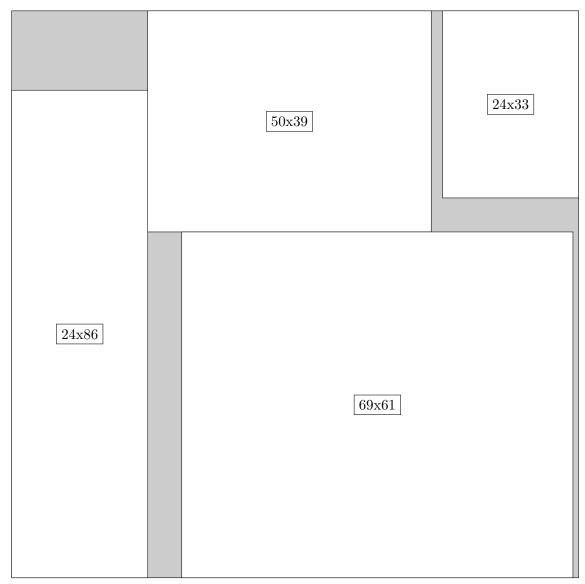


$$\le =46$$
 , h =94 , x =0 , y =6 , v =4324

$$\le =56$$
 , h =6 , x =42 , y =0 , v =336

$$\le =48$$
 , $h=67$, $x=51$, $y=6$, $v=3216$

$$\le =48$$
 , h =27 , x =51 , y =73 , v =1296

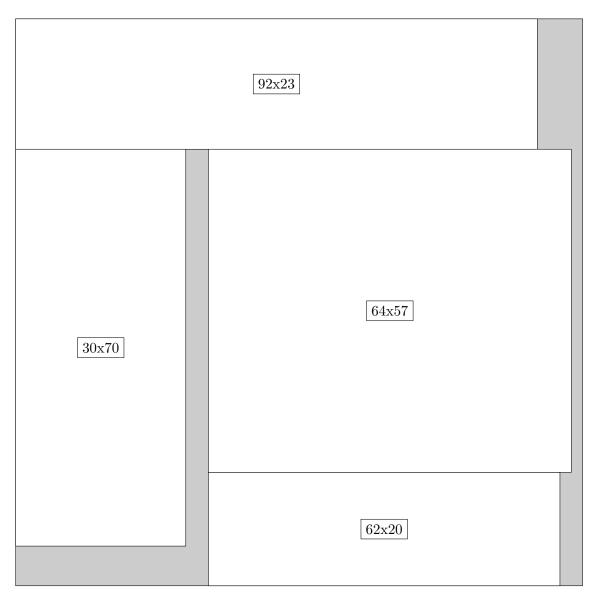


$$\le =24$$
 , h =86 , x =0 , y =0 , v =2064

$$\le =50$$
 , h =39 , x =24 , y =61 , v =1950

$$\le =69$$
 , h =61 , x =30 , y =0 , v =4209

$$\le =24$$
 , h =33 , x =76 , y =67 , v =792

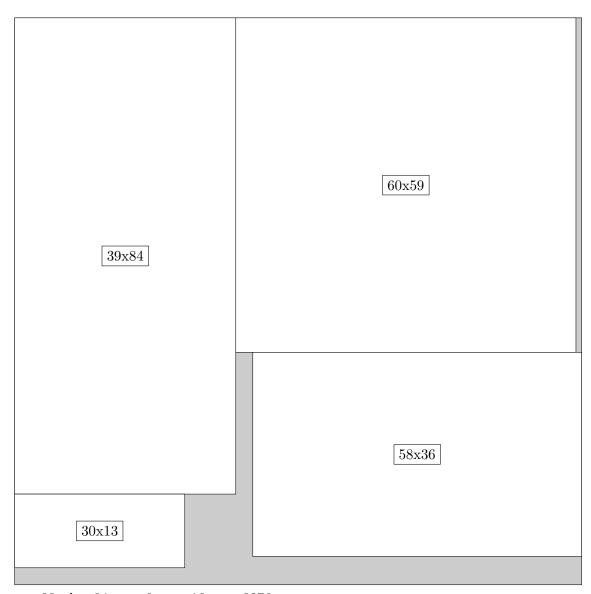


$$\le =92$$
 , h =23 , x =0 , y =77 , v =2116

$$\le =30$$
 , h =70 , x =0 , y =7 , v =2100

$$\le =64$$
 , h =57 , x =34 , y =20 , v =3648

$$\le =62$$
 , h =20 , x =34 , y =0 , v =1240

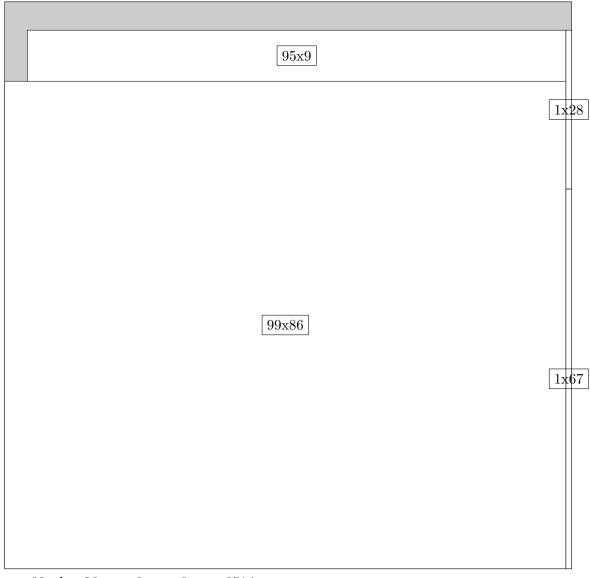


$$\le =39$$
 , h =84 , x =0 , y =16 , v =3276

$$\le =30$$
 , $h=13$, $x=0$, $y=3$, $v=390$

$$\le =60$$
 , h =59 , x =39 , y =41 , v =3540

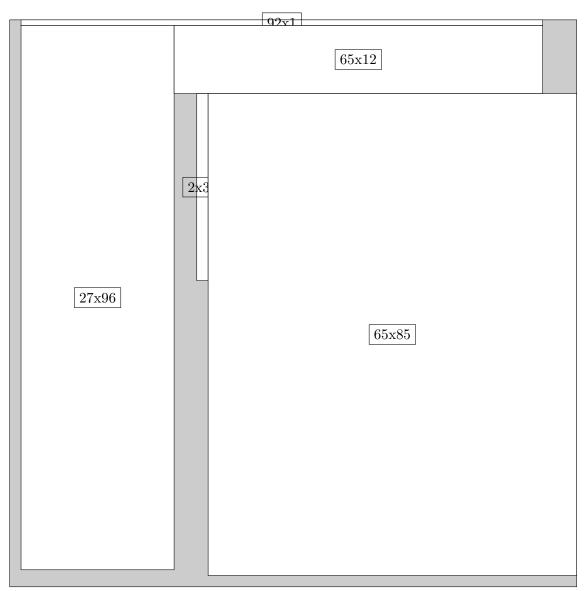
$$w=\!58$$
 , $h=\!36$, $x=\!42$, $y=\!5$, $v=\!2088$



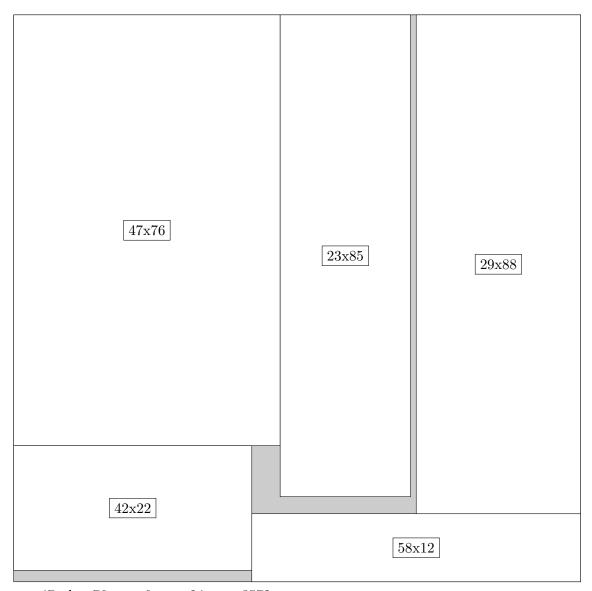
$$\begin{array}{l} w = \! 99 \ , \ h = \! 86 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 8514 \\ w = \! 95 \ , \ h = \! 9 \ , \ x = \! 4 \ , \ y = \! 86 \ , \ v = \! 855 \end{array}$$

$$\le =1$$
 , h =67 , x =99 , y =0 , v =67

$$\mathbf{w} = \! 1$$
 , $\mathbf{h} = \! 28$, $\mathbf{x} = \! 99$, $\mathbf{y} = \! 67$, $\mathbf{v} = \! 28$



$$\begin{array}{l} w=27 \;,\; h=96 \;,\; x=2 \;,\; y=3 \;,\; v=2592 \\ w=92 \;,\; h=1 \;,\; x=2 \;,\; y=99 \;,\; v=92 \\ w=65 \;,\; h=12 \;,\; x=29 \;,\; y=87 \;,\; v=780 \\ w=2 \;,\; h=33 \;,\; x=33 \;,\; y=54 \;,\; v=66 \\ w=65 \;,\; h=85 \;,\; x=35 \;,\; y=2 \;,\; v=5525 \end{array}$$



$$\le =47$$
 , h =
76 , x =0 , y =
24 , v =
3572

$$\mathbf{w}=\!\!42$$
 , $\mathbf{h}=\!\!22$, $\mathbf{x}=\!\!0$, $\mathbf{y}=\!\!2$, $\mathbf{v}=\!\!924$

$$\le -58$$
 , h =12 , x =42 , y =0 , v =696

$$\le =23$$
 , h =85 , x =47 , y =15 , v =1955

$$\le =29$$
 , h =88 , x =71 , y =12 , v =2552

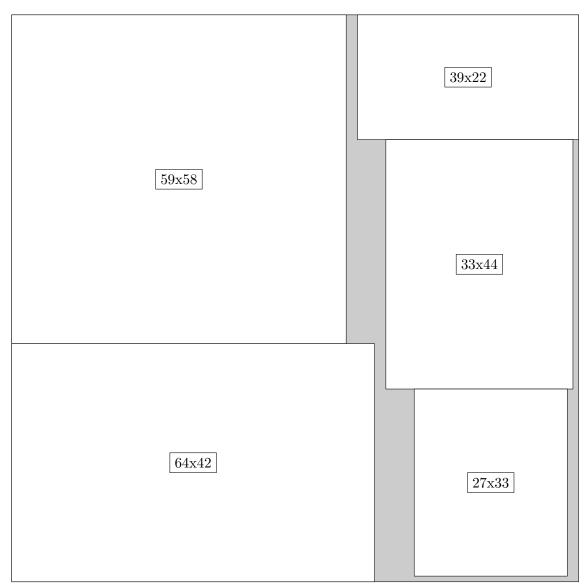


$$\le 4$$
 , ≤ 42 , $\le =0$, $\le =6$, $\le =168$

$$\le =59$$
 , h =52 , x =2 , y =48 , v =3068

$$\mathbf{w}$$
 =78 , h =44 , x =6 , y =1 , v =3432

$$\le =39$$
 , h =55 , x =61 , y =45 , v =2145



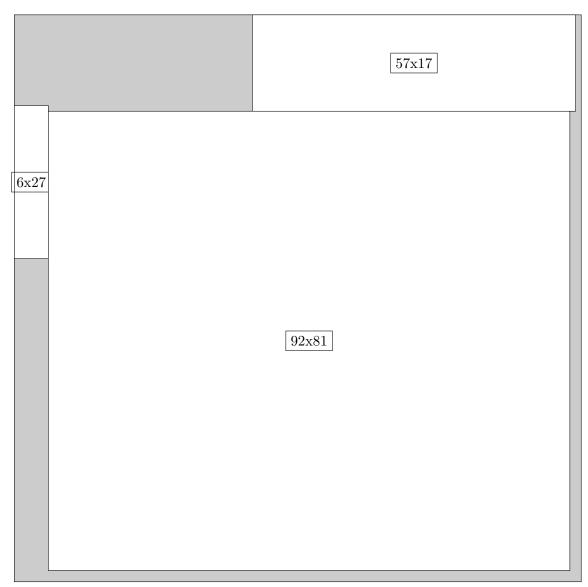
$$w = 59$$
, $h = 58$, $x = 0$, $y = 42$, $v = 3422$

$$\le =64$$
 , $h=42$, $x=0$, $y=0$, $v=2688$

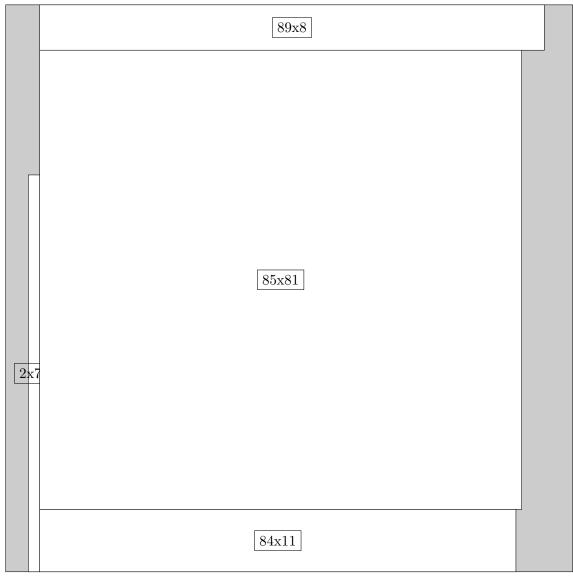
$$\le =39$$
 , h =22 , x =61 , y =78 , v =858

$$\le =33$$
 , h =44 , x =66 , y =34 , v =1452

$$\le =27$$
 , h =33 , x =71 , y =1 , v =891



$$\begin{array}{l} w=6 \ , \ h=27 \ , \ x=0 \ , \ y=57 \ , \ v=162 \\ w=92 \ , \ h=81 \ , \ x=6 \ , \ y=2 \ , \ v=7452 \\ w=57 \ , \ h=17 \ , \ x=42 \ , \ y=83 \ , \ v=969 \end{array}$$

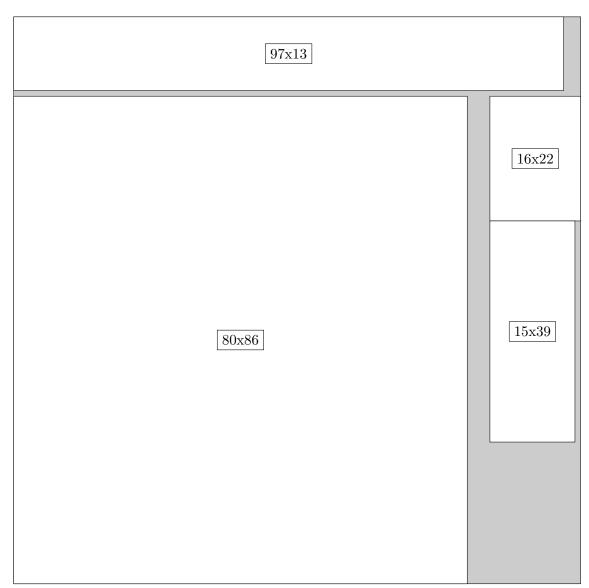


$$\mathbf{w}$$
 =2 , h =70 , x =4 , y =0 , v =140

$$\le =85$$
 , h =81 , x =6 , y =11 , v =6885

$$\le =84$$
 , h =11 , x =6 , y =0 , v =924

$$\le =89$$
 , h =8 , x =6 , y =92 , v =712

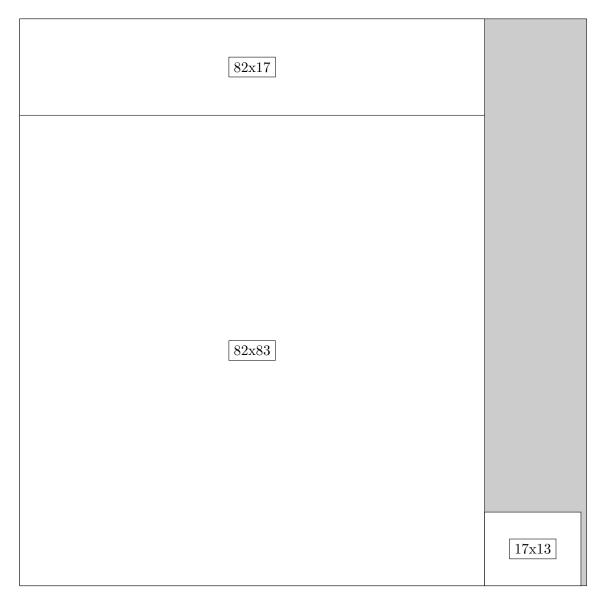


$$\le =80$$
 , h =86 , x =0 , y =0 , v =6880

$$w = 97$$
, $h = 13$, $x = 0$, $y = 87$, $v = 1261$

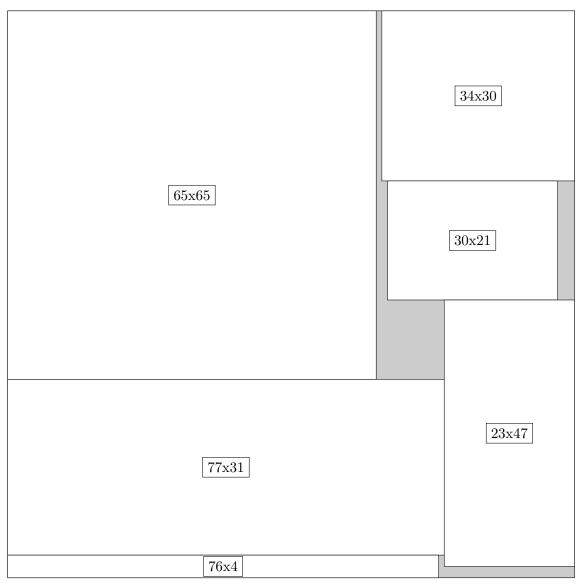
$$\le =16$$
 , h =22 , x =84 , y =64 , v =352

$$w$$
 =15 , h =39 , x =84 , y =25 , v =585



$$\begin{array}{l} w = \!\!82 \ , \ h = \!\!83 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!6806 \\ w = \!\!82 \ , \ h = \!\!17 \ , \ x = \!\!0 \ , \ y = \!\!83 \ , \ v = \!\!1394 \end{array}$$

$$\le =17$$
 , h =13 , x =82 , y =0 , v =221



$$w = 65$$
, $h = 65$, $x = 0$, $y = 35$, $v = 4225$

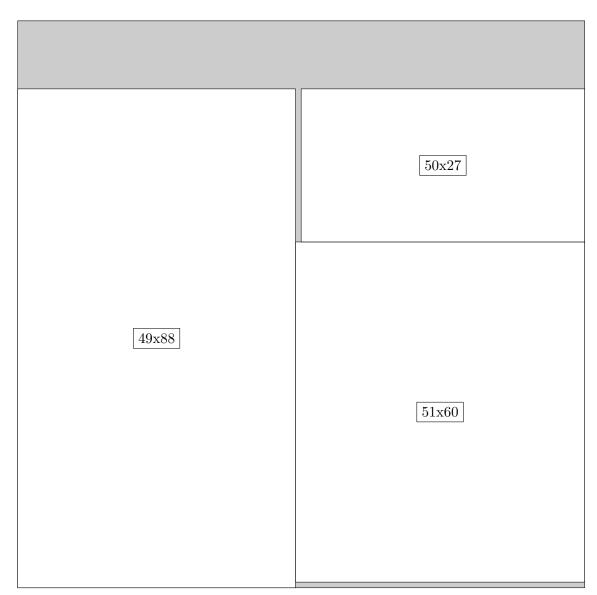
$$\le =77$$
 , h =31 , x =0 , y =4 , v =2387

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

$$\le =34$$
 , h =30 , x =66 , y =70 , v =1020

$$\le =30$$
 , h =21 , x =67 , y =49 , v =630

$$\le =23$$
 , $h=47$, $x=77$, $y=2$, $v=1081$



$$w$$
 =51 , h =60 , x =49 , y =1 , v =3060

$$\le =50$$
 , h =27 , x =50 , y =61 , v =1350

$$\le =49$$
 , h =88 , x =0 , y =0 , v =4312