$ClassName: {\bf Class_07.2bp-41}$

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

TypeNum: <u>97</u> Num: <u>100</u> OutS: <u>270000</u> InS: <u>232187</u> Rate: <u>0.860</u> UB: <u>27</u> LB0: <u>27</u>

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

LB: **27**

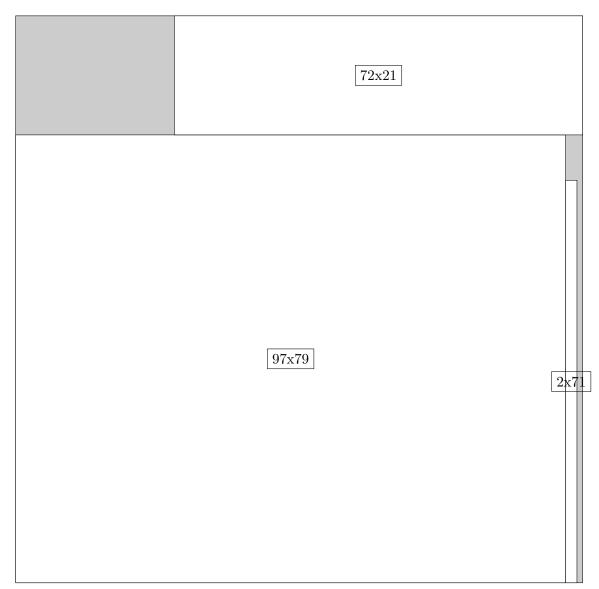
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: 1
PrimalNode: 0
ColumnCount: 27
TotalCutCount: 0
RootCutCount: 0
LPSolverCnt: 1
PricingSolverCnt: 0
Branch And Bound No

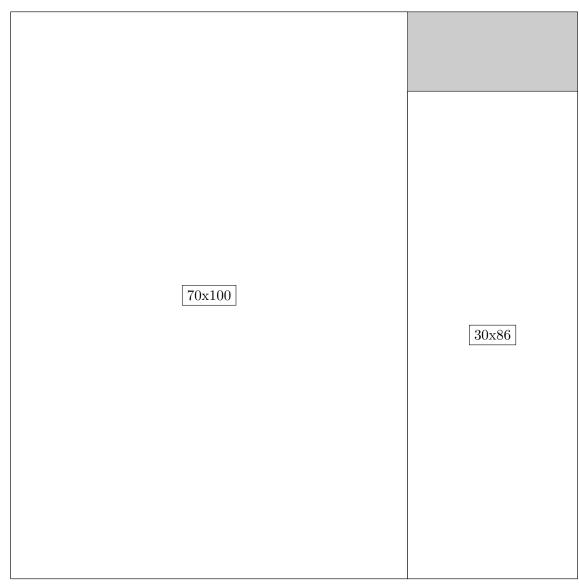
Branch And
Bound Num: $\underline{\mathbf{1}}$

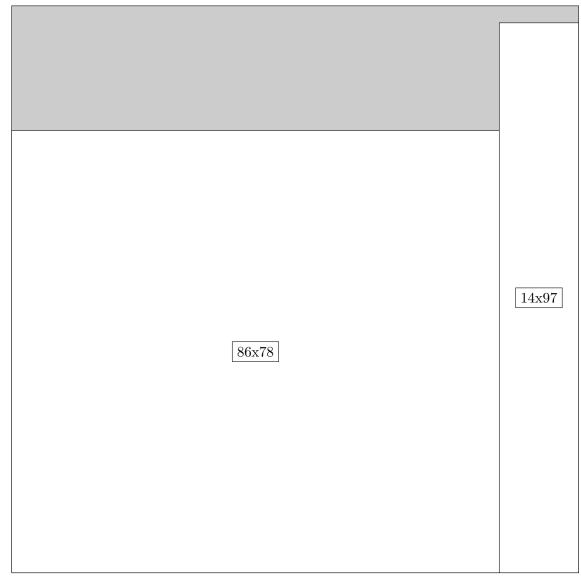
is Opt: $\underline{\mathbf{true}}$

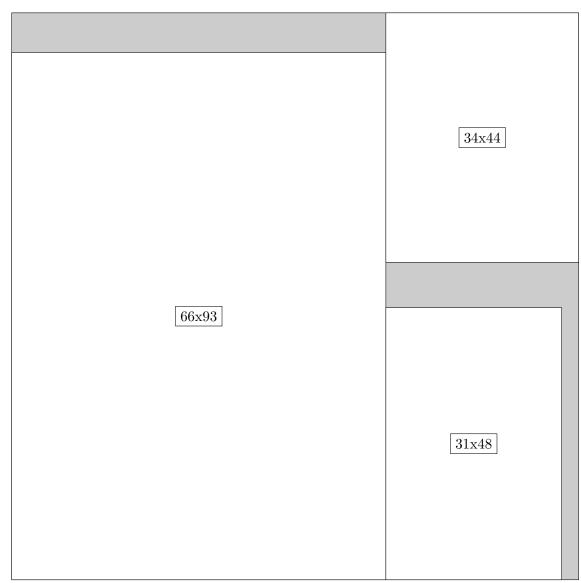
TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{0.000 \text{ s}}$ TimeOnRmp: $\underline{0.078 \text{ s}}$ TotalTime: $\underline{0.141 \text{ s}}$



$$\begin{array}{l} w = \! 97 \ , \ h = \! 79 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7663 \\ w = \! 72 \ , \ h = \! 21 \ , \ x = \! 28 \ , \ y = \! 79 \ , \ v = \! 1512 \\ w = \! 2 \ , \ h = \! 71 \ , \ x = \! 97 \ , \ y = \! 0 \ , \ v = \! 142 \end{array}$$







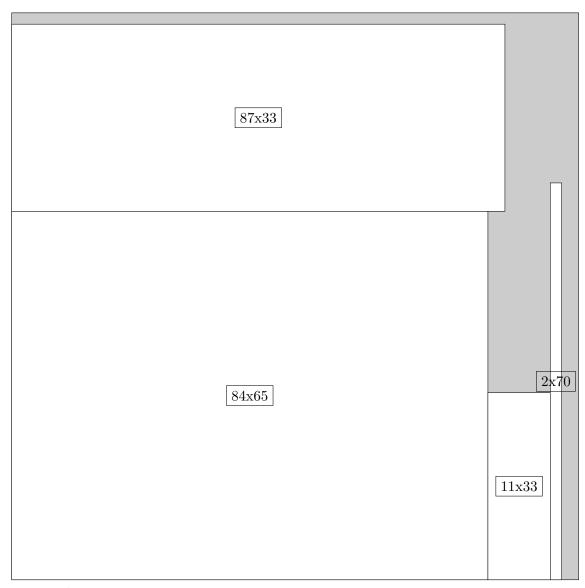
$$\le =66$$
 , h =93 , x =0 , y =0 , v =6138

$$\le =34$$
 , h =44 , x =66 , y =56 , v =1496

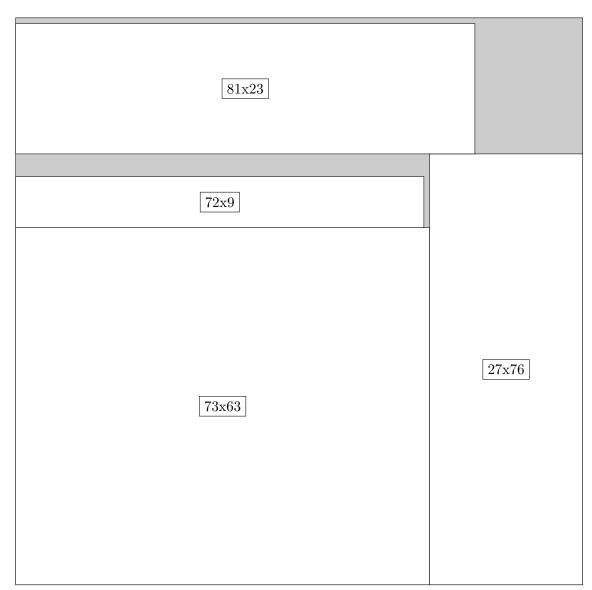
$$\le =31$$
 , $h=48$, $x=66$, $y=0$, $v=1488$



$$\begin{array}{l} w = \! 91 \; , \; h = \! 63 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 5733 \\ w = \! 48 \; , \; h = \! 37 \; , \; x = \! 0 \; , \; y = \! 63 \; , \; v = \! 1776 \\ w = \! 9 \; , \; h = \! 87 \; , \; x = \! 91 \; , \; y = \! 0 \; , \; v = \! 783 \\ w = \! 37 \; , \; h = \! 12 \; , \; x = \! 48 \; , \; y = \! 63 \; , \; v = \! 444 \end{array}$$



 $\begin{array}{l} w = \! 84 \; , \; h = \! 65 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 5460 \\ w = \! 87 \; , \; h = \! 33 \; , \; x = \! 0 \; , \; y = \! 65 \; , \; v = \! 2871 \\ w = \! 11 \; , \; h = \! 33 \; , \; x = \! 84 \; , \; y = \! 0 \; , \; v = \! 363 \\ w = \! 2 \; , \; h = \! 70 \; , \; x = \! 95 \; , \; y = \! 0 \; , \; v = \! 140 \end{array}$

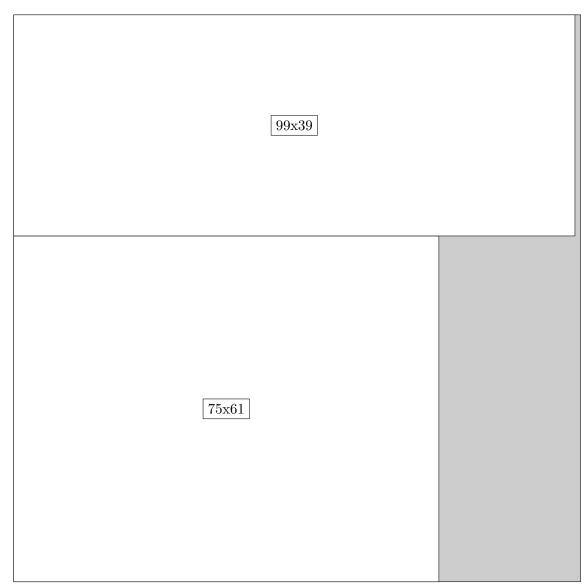


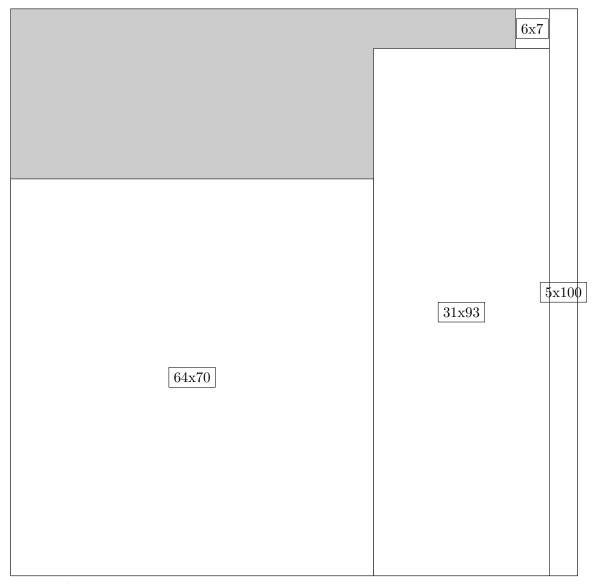
$$\le -73$$
 , h =63 , x =0 , y =0 , v =4599

$$\le =27$$
 , h =76 , x =73 , y =0 , v =2052

$$\le =81$$
 , h =23 , x =0 , y =76 , v =1863

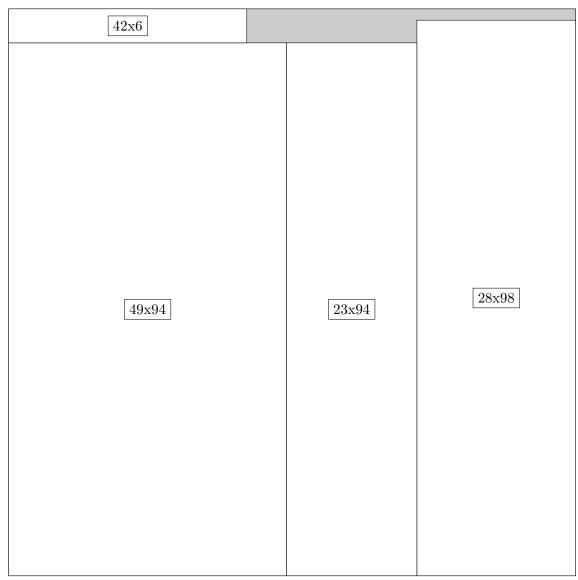
$$\mathbf{w}$$
 =72 , h =9 , x =0 , y =63 , v =648





 $\begin{array}{l} w = \!64 \; , \; h = \!70 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!4480 \\ w = \!31 \; , \; h = \!93 \; , \; x = \!64 \; , \; y = \!0 \; , \; v = \!2883 \\ w = \!5 \; , \; h = \!100 \; , \; x = \!95 \; , \; y = \!0 \; , \; v = \!500 \end{array}$

 \mathbf{w} =6 , h =7 , x =89 , y =93 , v =42

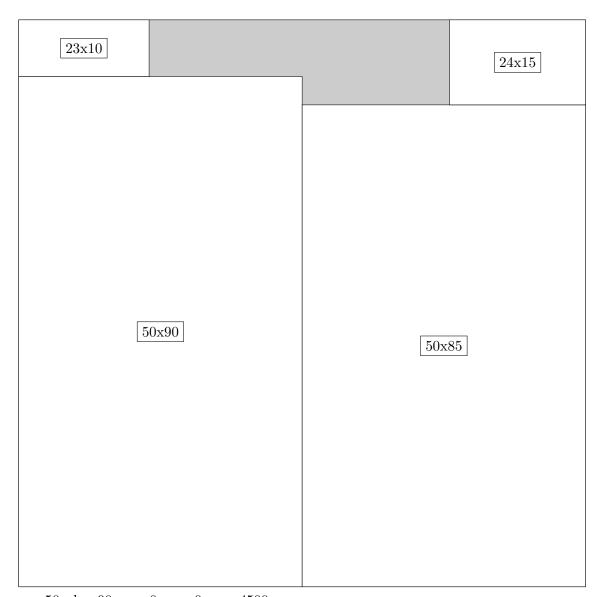


$$\mathbf{w}$$
 =49 , h =94 , x =0 , y =0 , v =4606

$$\le =28$$
 , h =98 , x =72 , y =0 , v =2744

$$\le =23$$
 , h =94 , x =49 , y =0 , v =2162

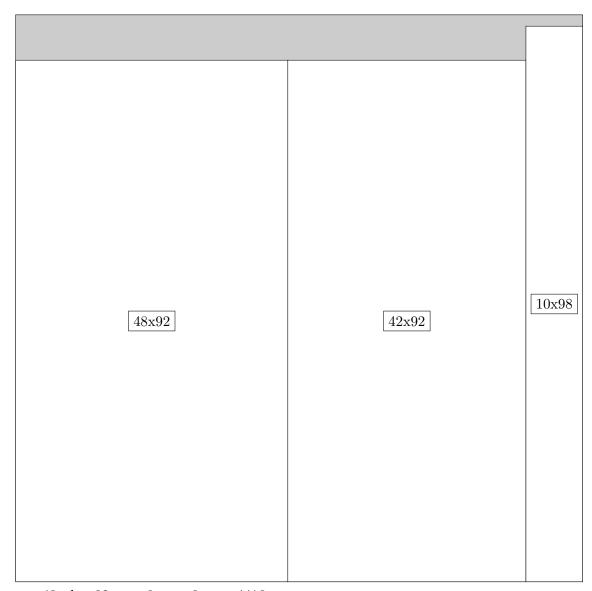
$$\mathbf{w}=\!\!42$$
 , $\mathbf{h}=\!\!6$, $\mathbf{x}=\!\!0$, $\mathbf{y}=\!\!94$, $\mathbf{v}=\!\!252$



$$\begin{array}{l} w = \! 50 \ , \ h = \! 90 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4500 \\ w = \! 50 \ , \ h = \! 85 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 4250 \end{array}$$

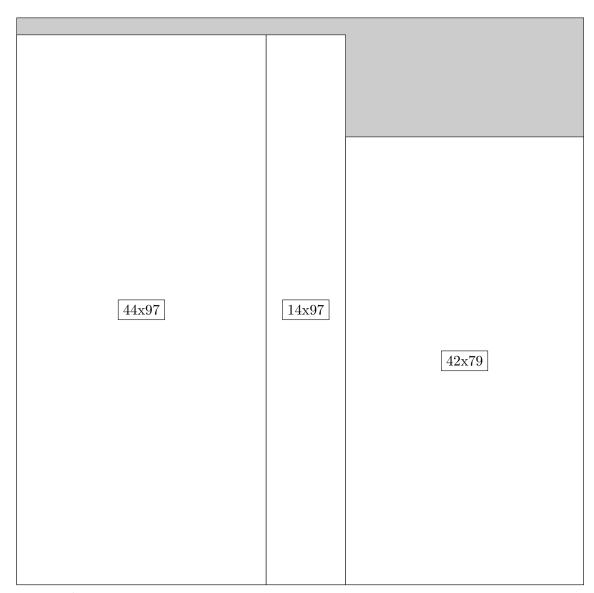
$$w=24$$
 , $h=\!15$, $x=\!76$, $y=\!85$, $v=\!360$

$$w = 23$$
, $h = 10$, $x = 0$, $y = 90$, $v = 230$

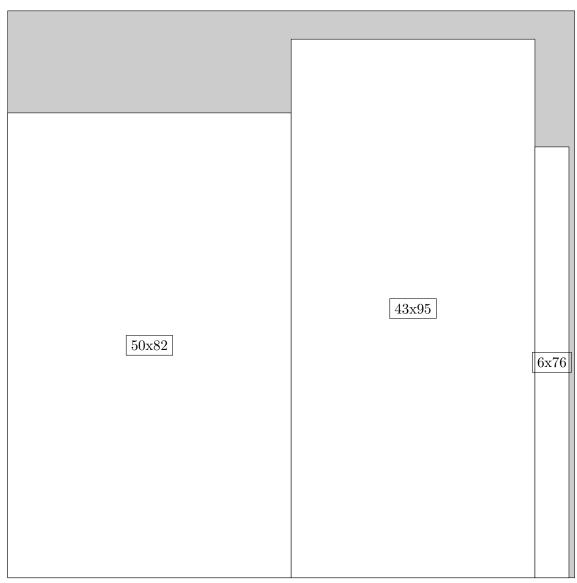


 $\begin{array}{l} w = \! 48 \; , \; h = \! 92 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4416 \\ w = \! 42 \; , \; h = \! 92 \; , \; x = \! 48 \; , \; y = \! 0 \; , \; v = \! 3864 \end{array}$

 $w=\!10$, $h=\!98$, $x=\!90$, $y=\!0$, $v=\!980$



w = 14, h = 97, x = 44, y = 0, v = 1358



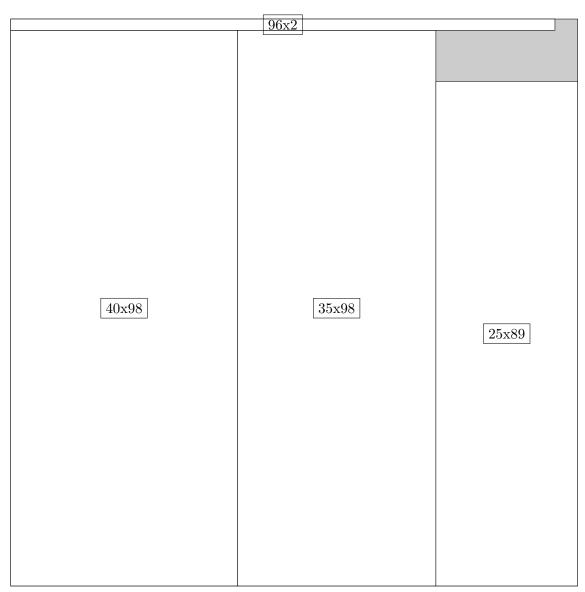
 $\begin{array}{l} w = \! 50 \ , \ h = \! 82 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4100 \\ w = \! 43 \ , \ h = \! 95 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 4085 \\ w = \! 6 \ , \ h = \! 76 \ , \ x = \! 93 \ , \ y = \! 0 \ , \ v = \! 456 \end{array}$

10x20		
$\boxed{49\text{x}80}$	19x80	32x96

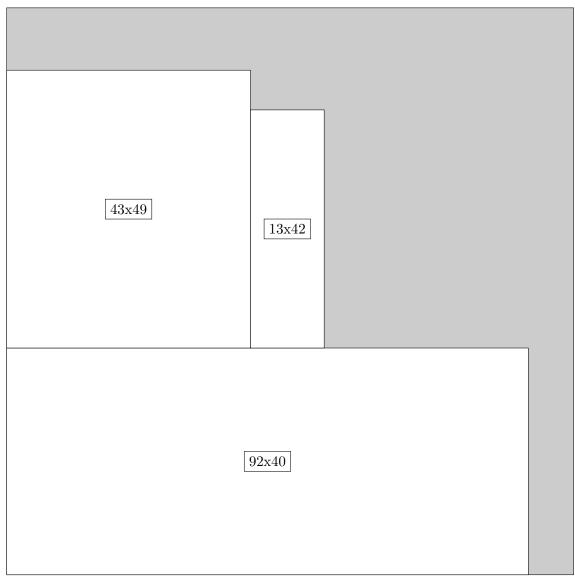
$$\begin{array}{l} w = \! 49 \ , \ h = \! 80 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3920 \\ w = \! 32 \ , \ h = \! 96 \ , \ x = \! 68 \ , \ y = \! 0 \ , \ v = \! 3072 \end{array}$$

$$\le =19$$
 , h =80 , x =49 , y =0 , v =1520

$$\le =10$$
 , h =20 , x =0 , y =80 , v =200



 $\begin{array}{l} w = \!\! 40 \ , \ h = \!\! 98 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3920 \\ w = \!\! 35 \ , \ h = \!\! 98 \ , \ x = \!\! 40 \ , \ y = \!\! 0 \ , \ v = \!\! 3430 \\ w = \!\! 25 \ , \ h = \!\! 89 \ , \ x = \!\! 75 \ , \ y = \!\! 0 \ , \ v = \!\! 2225 \\ w = \!\! 96 \ , \ h = \!\! 2 \ , \ x = \!\! 0 \ , \ y = \!\! 98 \ , \ v = \!\! 192 \end{array}$



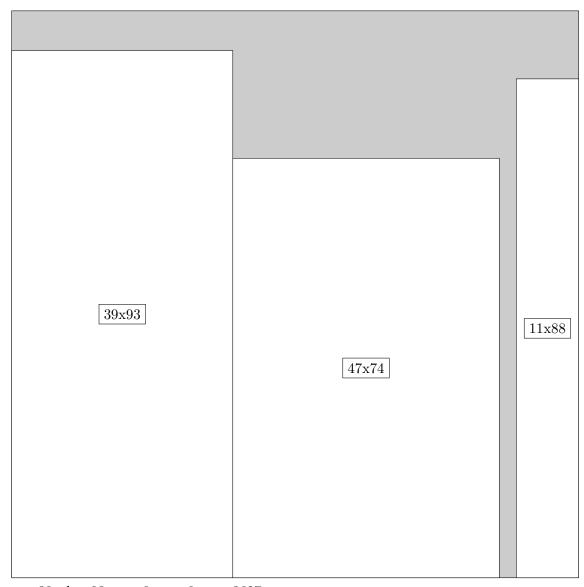
$$w = 92$$
, $h = 40$, $x = 0$, $y = 0$, $v = 3680$

$$\le =43$$
 , h =49 , x =0 , y =40 , v =2107

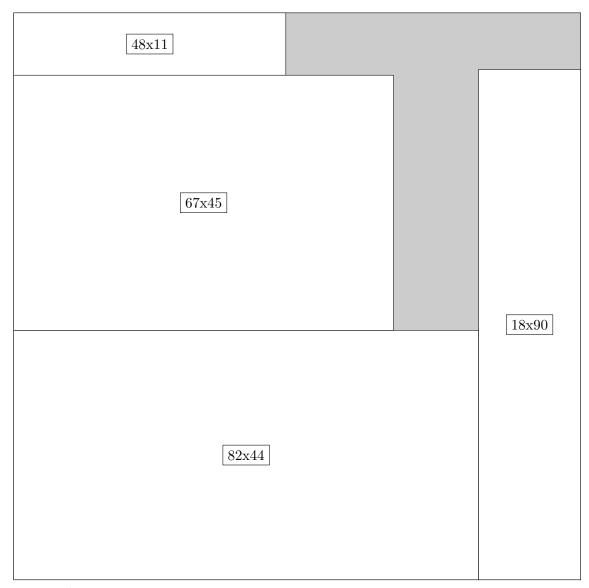
$$\le =13$$
 , $h=42$, $x=43$, $y=40$, $v=546$

48x78	38x78	8x78	6x76

 $\begin{array}{l} w = \!\! 48 \ , \ h = \!\! 78 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3744 \\ w = \!\! 38 \ , \ h = \!\! 78 \ , \ x = \!\! 48 \ , \ y = \!\! 0 \ , \ v = \!\! 2964 \\ w = \!\! 8 \ , \ h = \!\! 78 \ , \ x = \!\! 86 \ , \ y = \!\! 0 \ , \ v = \!\! 624 \\ w = \!\! 6 \ , \ h = \!\! 76 \ , \ x = \!\! 94 \ , \ y = \!\! 0 \ , \ v = \!\! 456 \end{array}$



$$\begin{array}{l} w = \! 39 \ , \ h = \! 93 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3627 \\ w = \! 47 \ , \ h = \! 74 \ , \ x = \! 39 \ , \ y = \! 0 \ , \ v = \! 3478 \\ w = \! 11 \ , \ h = \! 88 \ , \ x = \! 89 \ , \ y = \! 0 \ , \ v = \! 968 \end{array}$$

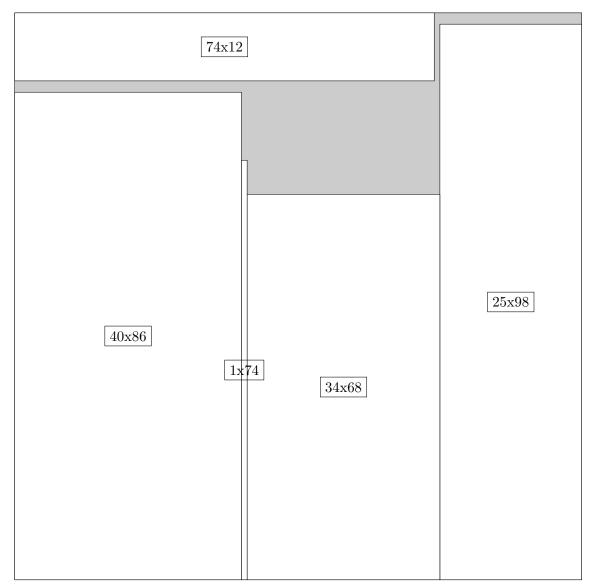


$$\le =82$$
 , h =44 , x =0 , y =0 , v =3608

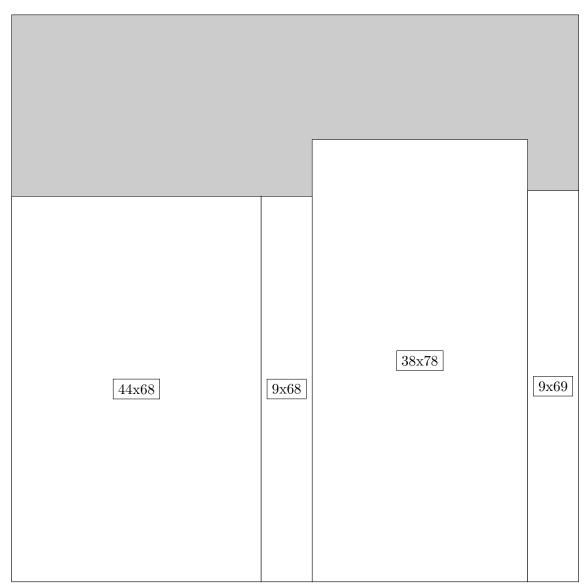
$$\le =67$$
 , h =45 , x =0 , y =44 , v =3015

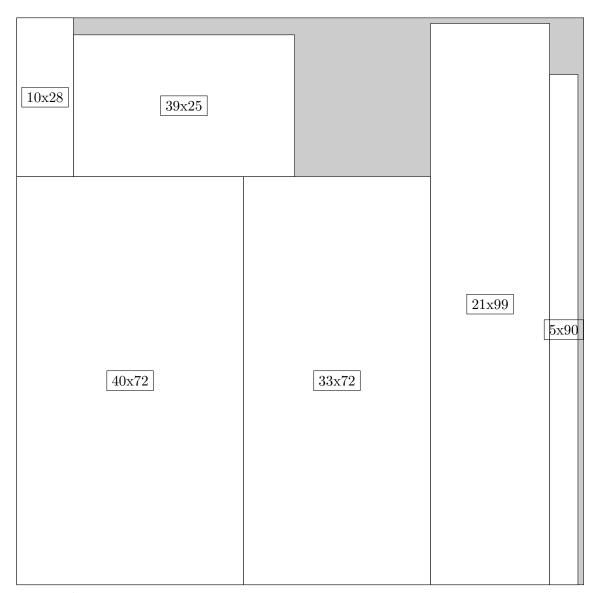
$$\le =18$$
 , $= =90$, $= =82$, $y = =0$, $v = =1620$

$$\le =48$$
 , $h=\!11$, $x=\!0$, $y=\!89$, $v=\!528$

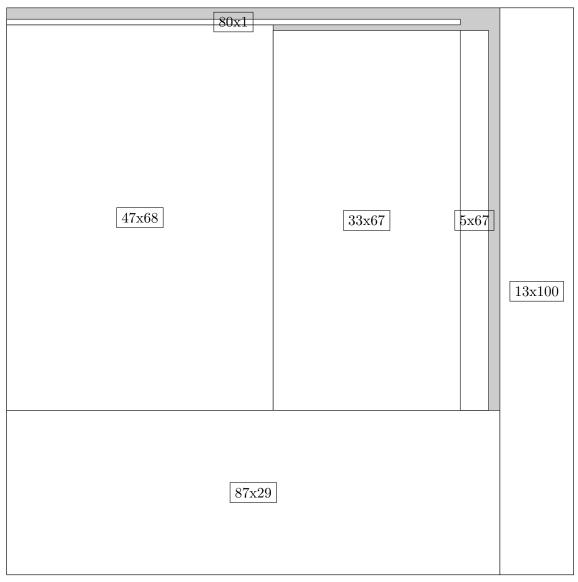


$$\begin{array}{l} w = \! 40 \; , \; h = \! 86 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3440 \\ w = \! 25 \; , \; h = \! 98 \; , \; x = \! 75 \; , \; y = \! 0 \; , \; v = \! 2450 \\ w = \! 34 \; , \; h = \! 68 \; , \; x = \! 41 \; , \; y = \! 0 \; , \; v = \! 2312 \\ w = \! 74 \; , \; h = \! 12 \; , \; x = \! 0 \; , \; y = \! 88 \; , \; v = \! 888 \\ w = \! 1 \; , \; h = \! 74 \; , \; x = \! 40 \; , \; y = \! 0 \; , \; v = \! 74 \end{array}$$





$$\begin{array}{l} w = \! 40 \ , \ h = \! 72 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2880 \\ w = \! 33 \ , \ h = \! 72 \ , \ x = \! 40 \ , \ y = \! 0 \ , \ v = \! 2376 \\ w = \! 21 \ , \ h = \! 99 \ , \ x = \! 73 \ , \ y = \! 0 \ , \ v = \! 2079 \\ w = \! 39 \ , \ h = \! 25 \ , \ x = \! 10 \ , \ y = \! 72 \ , \ v = \! 975 \\ w = \! 5 \ , \ h = \! 90 \ , \ x = \! 94 \ , \ y = \! 0 \ , \ v = \! 450 \\ w = \! 10 \ , \ h = \! 28 \ , \ x = \! 0 \ , \ y = \! 72 \ , \ v = \! 280 \end{array}$$



w = 47, h = 68, x = 0, y = 29, v = 3196

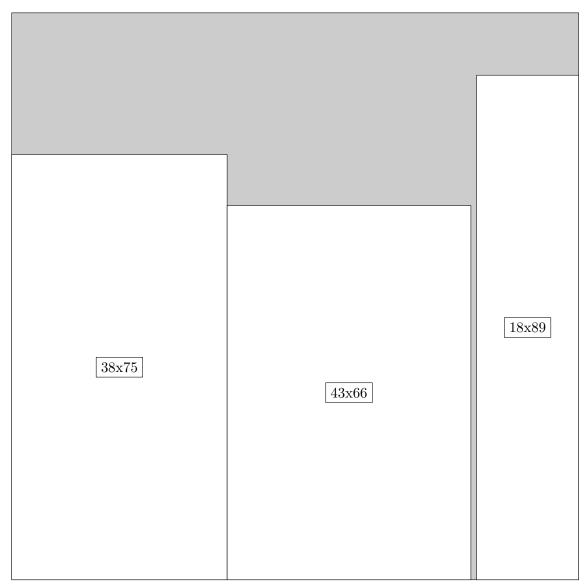
 $\le =33$, h =67 , x =47 , y =29 , v =2211

w = 87, h = 29, x = 0, y = 0, v = 2523

 $\le =13$, h =100 , x =87 , y =0 , v =1300

 $\le =5$, h =67 , x =80 , y =29 , v =335

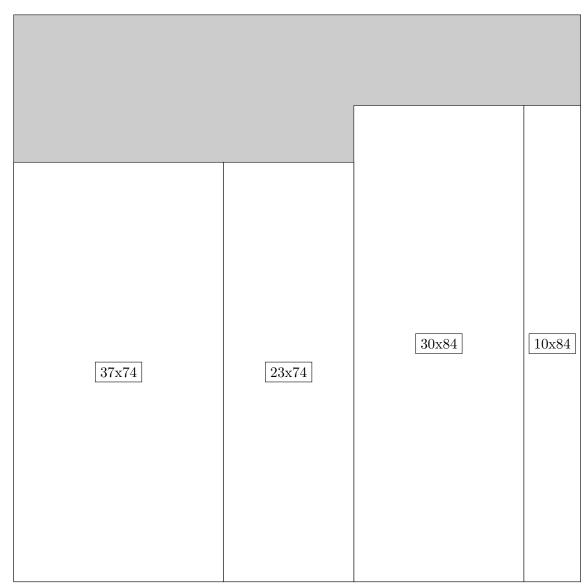
 $\le =80$, h =1 , x =0 , y =97 , v =80



$$\le 38$$
 , h =75 , x =0 , y =0 , v =2850

$$\le =43$$
 , $h=66$, $x=38$, $y=0$, $v=2838$

$$\le =18$$
 , h =89 , x =82 , y =0 , v =1602

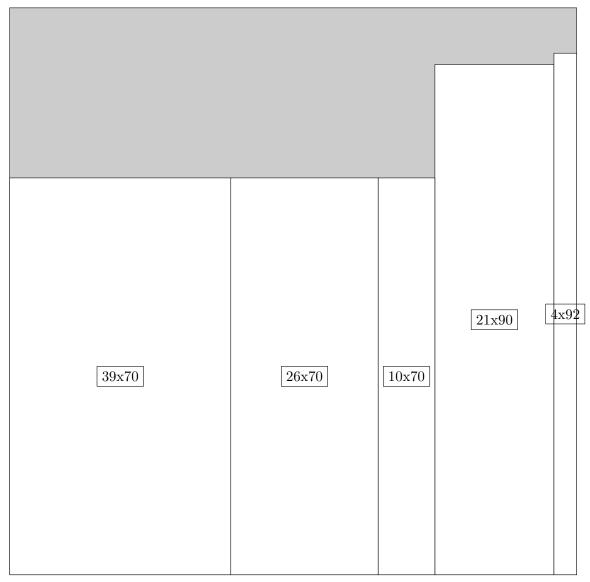


 $\le =37$, h =74 , x =0 , y =0 , v =2738

 $\le =30$, h =84 , x =60 , y =0 , v =2520

 $\le =23$, h =74 , x =37 , y =0 , v =1702

 \mathbf{w} =10 , h =84 , x =90 , y =0 , v =840



$$\le 39$$
 , ≤ 70 , ≥ 90 , ≥ 90 , ≥ 100 ,

$$\le =21$$
 , h =90 , x =75 , y =0 , v =1890

$$\le =26$$
 , h =70 , x =39 , y =0 , v =1820

$$\mathbf{w}$$
 =10 , h =70 , x =65 , y =0 , v =700

$$w = 4$$
, $h = 92$, $x = 96$, $y = 0$, $v = 368$