$ClassName: \ Class_07.2bp-44$

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

TypeNum: <u>99</u> Num: <u>100</u> OutS: <u>250000</u> InS: <u>215416</u> Rate: <u>0.862</u> UB: <u>25</u> LB0: <u>25</u> LB: <u>25</u>

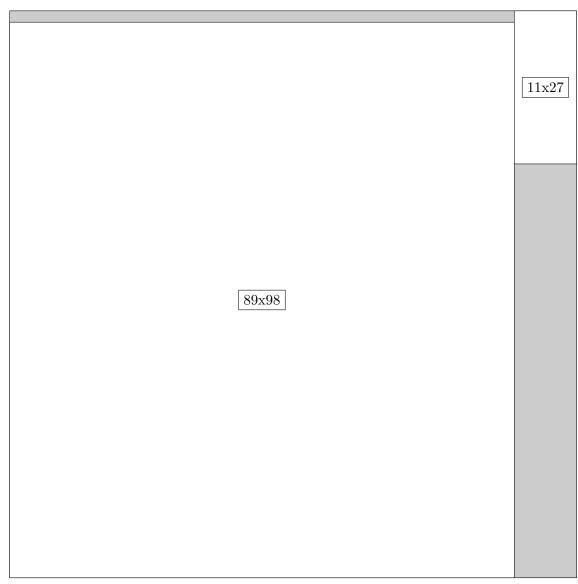
LBWithCut: $\underline{25}$ NodeCut: $\underline{0}$

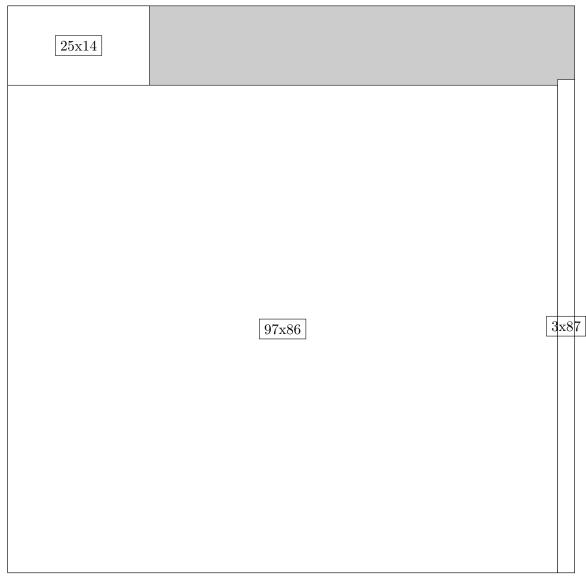
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{25}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

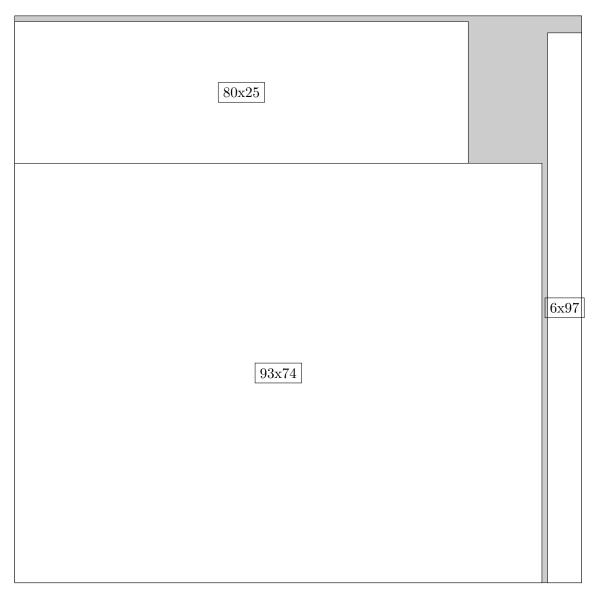
isOpt: $\underline{\mathbf{true}}$

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.120 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.260 \ s} \end{array}$

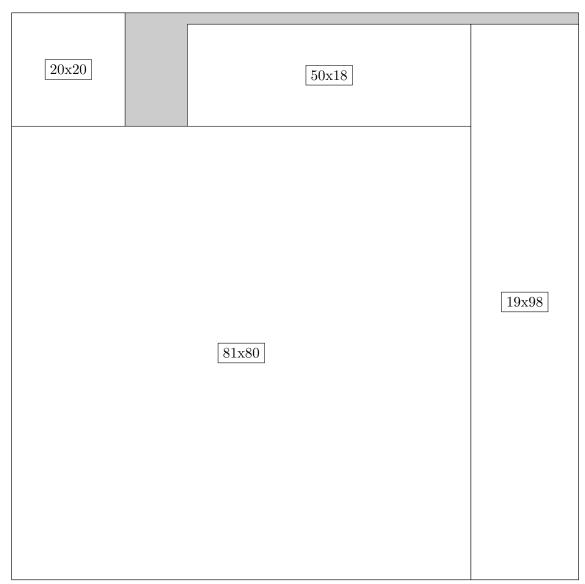




$$\begin{array}{l} w = \! 97 \; , \; h = \! 86 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8342 \\ w = \! 25 \; , \; h = \! 14 \; , \; x = \! 0 \; , \; y = \! 86 \; , \; v = \! 350 \\ w = \! 3 \; , \; h = \! 87 \; , \; x = \! 97 \; , \; y = \! 0 \; , \; v = \! 261 \end{array}$$



$$\begin{array}{l} w = \! 93 \ , \ h = \! 74 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6882 \\ w = \! 80 \ , \ h = \! 25 \ , \ x = \! 0 \ , \ y = \! 74 \ , \ v = \! 2000 \\ w = \! 6 \ , \ h = \! 97 \ , \ x = \! 94 \ , \ y = \! 0 \ , \ v = \! 582 \end{array}$$

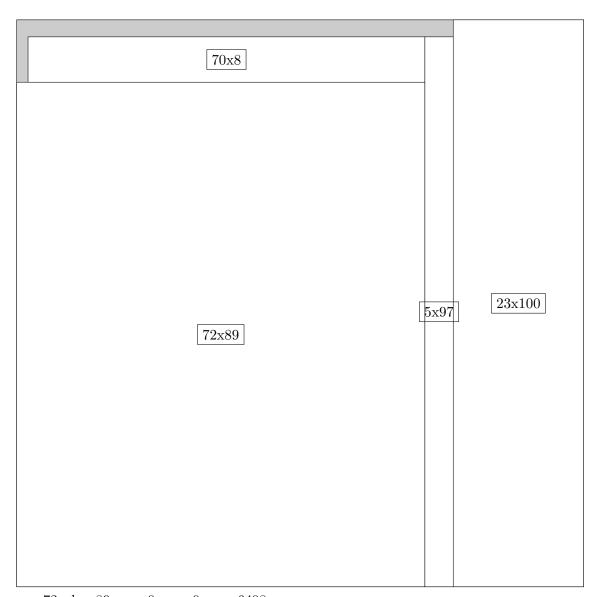


$$\le =81$$
 , h =80 , x =0 , y =0 , v =6480

$$\le =50$$
 , h =18 , x =31 , y =80 , v =900

$$\le =20$$
 , h =20 , x =0 , y =80 , v =400

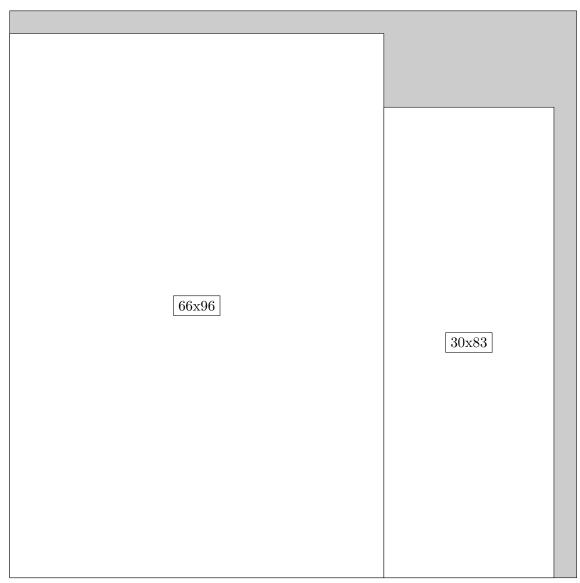
$$w=\!19$$
 , $h=\!98$, $x=\!81$, $y=\!0$, $v=\!1862$



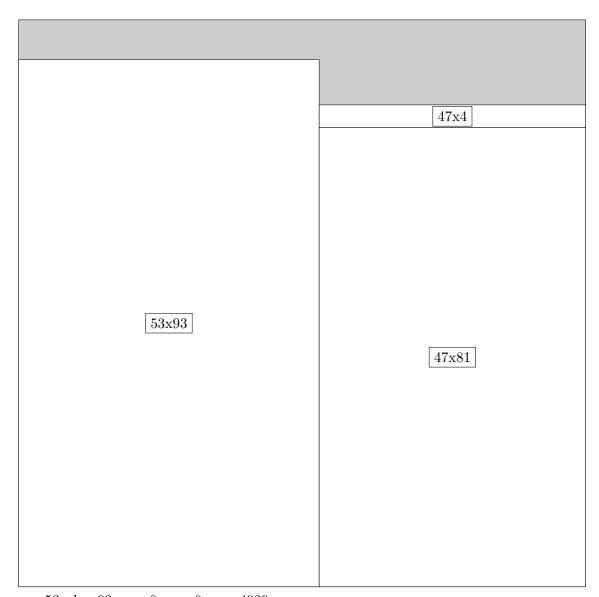
 $\begin{array}{l} w = \!\!\! 72 \ , \ h = \!\!\! 89 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 6408 \\ w = \!\!\! 23 \ , \ h = \!\!\! 100 \ , \ x = \!\!\! 77 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 2300 \end{array}$

 $\le =70$, h =8 , x =2 , y =89 , v =560

 $w=\!5$, $h=\!97$, $x=\!72$, $y=\!0$, $v=\!485$

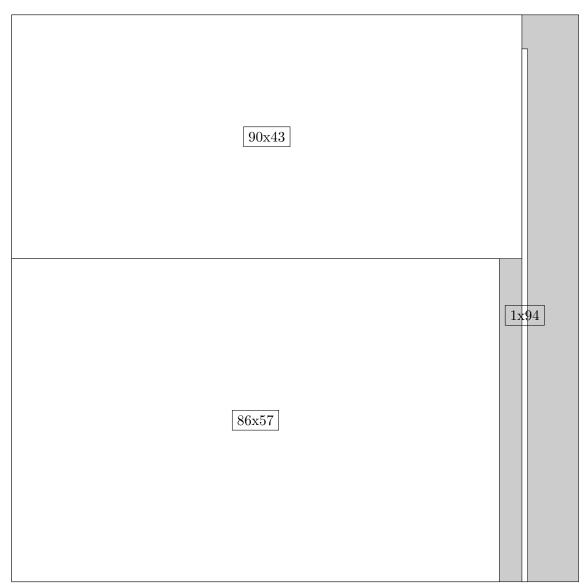


$$\begin{array}{c} w = \!\!\! 66 \; , \; h = \!\!\! 96 \; , \; x = \!\!\! 0 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 6336 \\ w = \!\!\! 30 \; , \; h = \!\!\! 83 \; , \; x = \!\!\! 66 \; , \; y = \!\!\! 0 \; , \; v = \!\!\! 2490 \\ \end{array}$$

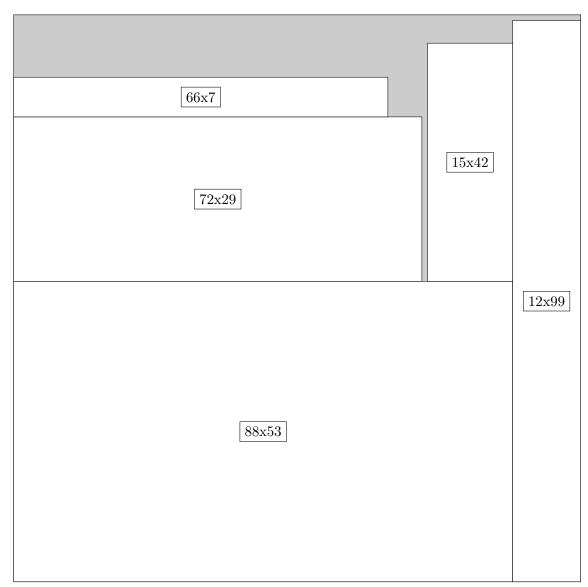


$$\begin{array}{l} w = \! 53 \ , \ h = \! 93 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4929 \\ w = \! 47 \ , \ h = \! 81 \ , \ x = \! 53 \ , \ y = \! 0 \ , \ v = \! 3807 \end{array}$$

$$\le =47$$
 , h =4 , x =53 , y =81 , v =188



 $\begin{array}{l} w = \!\!86 \ , \ h = \!\!57 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!4902 \\ w = \!\!90 \ , \ h = \!\!43 \ , \ x = \!\!0 \ , \ y = \!\!57 \ , \ v = \!\!3870 \\ w = \!\!1 \ , \ h = \!\!94 \ , \ x = \!\!90 \ , \ y = \!\!0 \ , \ v = \!\!94 \end{array}$



$$w = 88$$
, $h = 53$, $x = 0$, $y = 0$, $v = 4664$

$$\le =72$$
 , h =29 , x =0 , y =53 , v =2088

$$\le =12$$
 , h =99 , x =88 , y =0 , v =1188

$$\le =15$$
 , h =42 , x =73 , y =53 , v =630

$$w = 66$$
, $h = 7$, $x = 0$, $y = 82$, $v = 462$

15x12			25x4
	53x88	22x88	25x96

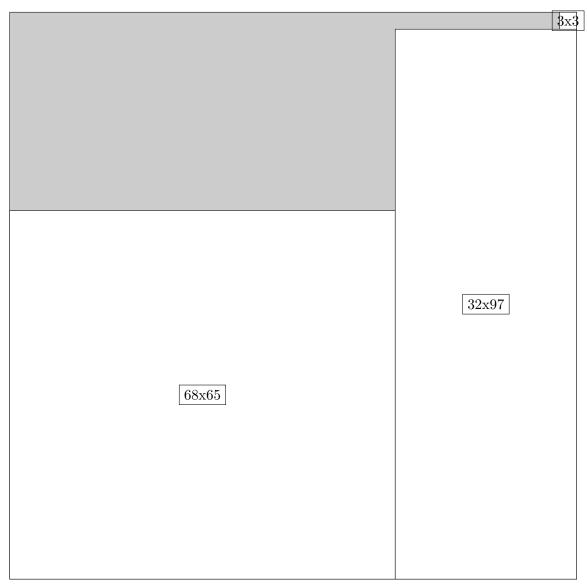
$$w = 53$$
 , $h = 88$, $x = 0$, $y = 0$, $v = 4664$

$$\le =25$$
 , h =96 , x =75 , y =0 , v =2400

$$\le =22$$
 , h =88 , x =53 , y =0 , v =1936

$$\le =15$$
 , h =12 , x =0 , y =88 , v =180

$$\le =25$$
 , h =4 , x =75 , y =96 , v =100



 $\begin{array}{l} w = \!68 \; , \; h = \!65 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!4420 \\ w = \!32 \; , \; h = \!97 \; , \; x = \!68 \; , \; y = \!0 \; , \; v = \!3104 \\ w = \!3 \; , \; h = \!3 \; , \; x = \!97 \; , \; y = \!97 \; , \; v = \!9 \end{array}$

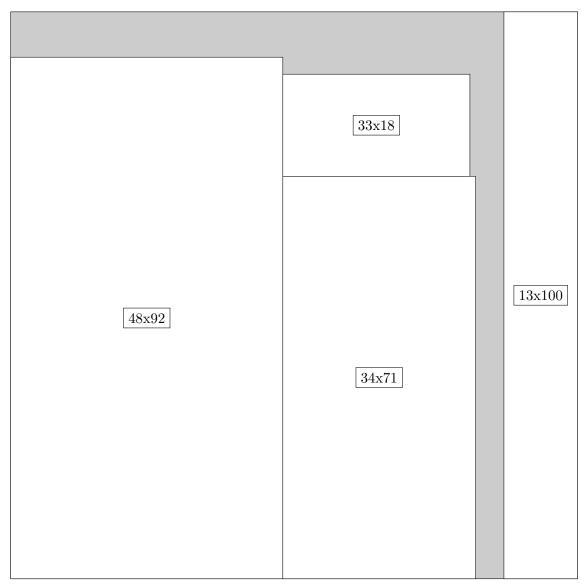
66x31		
66x59	15x90	19x88

 \mathbf{w} =66 , h =59 , x =0 , y =0 , v =3894

 $w = 66 \ , \ h = 31 \ , \ x = 0 \ , \ y = 59 \ , \ v = 2046$

 $\le =19$, h =88 , x =81 , y =0 , v =1672

 $\le =15$, h =90 , x =66 , y =0 , v =1350

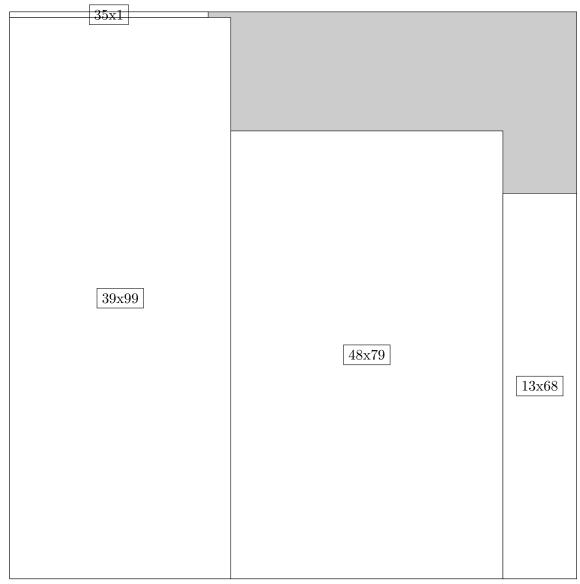


w = 48, h = 92, x = 0, y = 0, v = 4416

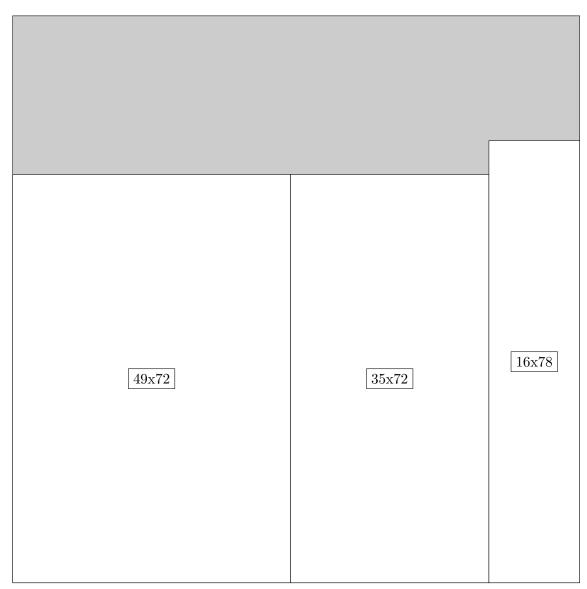
w = 34, h = 71, x = 48, y = 0, v = 2414

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

 $\le =33$, h =18 , x =48 , y =71 , v =594



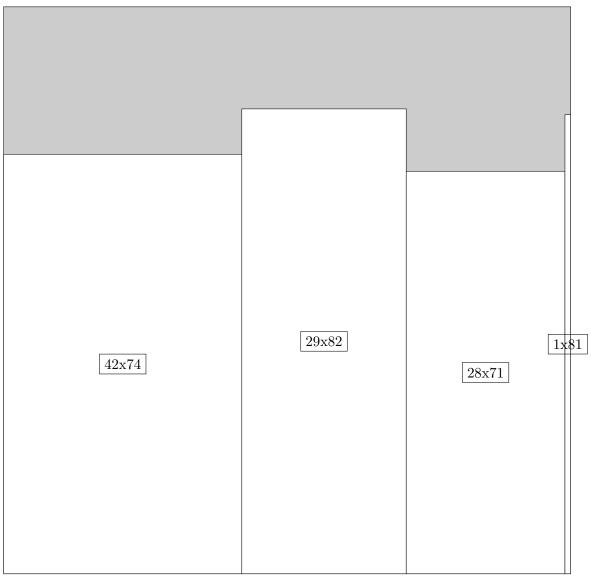
$$\begin{array}{l} w = & 39 \ , \ h = & 99 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 3861 \\ w = & 48 \ , \ h = & 79 \ , \ x = & 39 \ , \ y = & 0 \ , \ v = & 3792 \\ w = & 13 \ , \ h = & 68 \ , \ x = & 87 \ , \ y = & 0 \ , \ v = & 884 \\ w = & 35 \ , \ h = & 1 \ , \ x = & 0 \ , \ y = & 99 \ , \ v = & 35 \end{array}$$



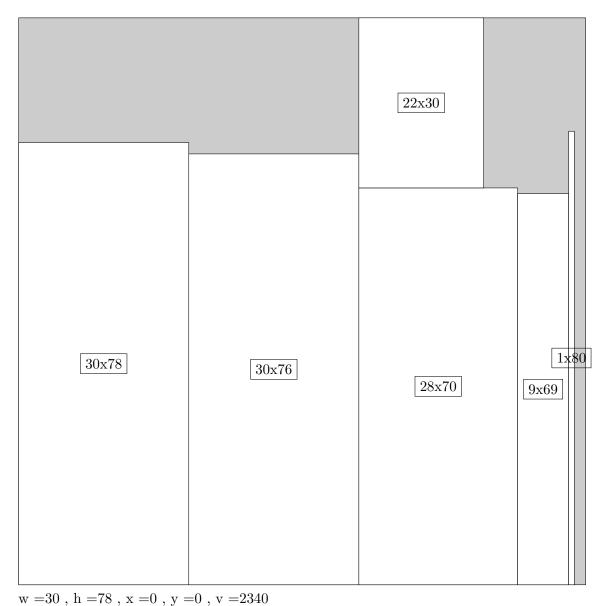
$$\mathbf{w}$$
 =49 , h =72 , x =0 , y =0 , v =3528

$$\le =35$$
 , h =72 , x =49 , y =0 , v =2520

$$\le =16$$
 , $h=78$, $x=84$, $y=0$, $v=1248$



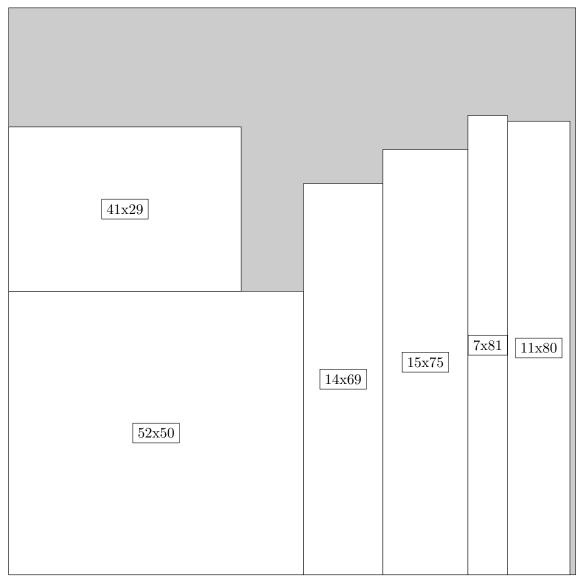
 $\begin{array}{l} w = \!\! 42 \; , \; h = \!\! 74 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 3108 \\ w = \!\! 29 \; , \; h = \!\! 82 \; , \; x = \!\! 42 \; , \; y = \!\! 0 \; , \; v = \!\! 2378 \\ w = \!\! 28 \; , \; h = \!\! 71 \; , \; x = \!\! 71 \; , \; y = \!\! 0 \; , \; v = \!\! 1988 \\ w = \!\! 1 \; , \; h = \!\! 81 \; , \; x = \!\! 99 \; , \; y = \!\! 0 \; , \; v = \!\! 81 \end{array}$



$$\le =22$$
 , h =30 , x =60 , y =70 , v =660

$$\le =9$$
 , $\le =69$, $\le =88$, y =0 , v =621

$$w = 1$$
, $h = 80$, $x = 97$, $y = 0$, $v = 80$



$$\mathbf{w}$$
 =52 , h =50 , x =0 , y =0 , v =2600

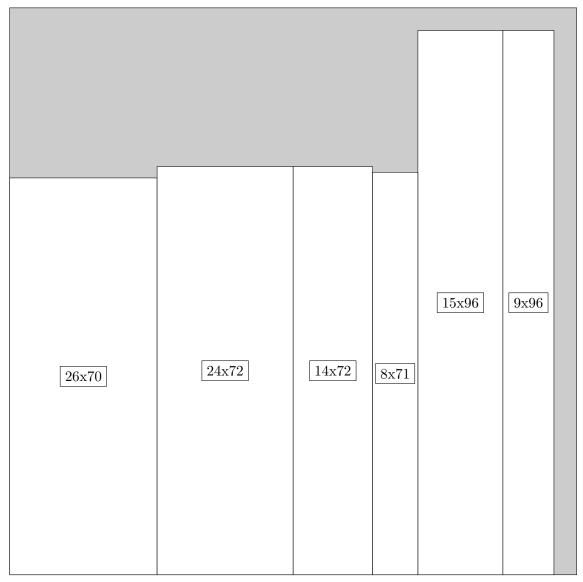
$$\le =14$$
 , $h=69$, $x=52$, $y=0$, $v=966$

$$\le =15$$
 , h =75 , x =66 , y =0 , v =1125

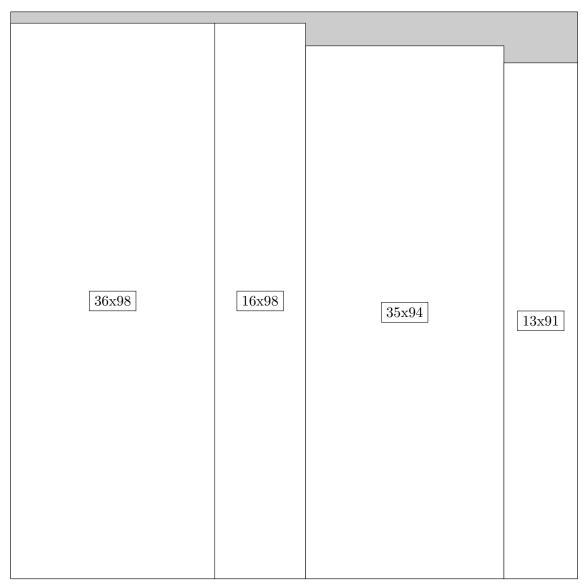
$$\le =41$$
 , h =29 , x =0 , y =50 , v =1189

$$\mathbf{w}$$
 =11 , h =80 , x =88 , y =0 , v =880

$$w$$
 =7 , h =81 , x =81 , y =0 , v =567



$$\begin{array}{l} w=26 \ , \ h=70 \ , \ x=0 \ , \ y=0 \ , \ v=1820 \\ w=24 \ , \ h=72 \ , \ x=26 \ , \ y=0 \ , \ v=1728 \\ w=15 \ , \ h=96 \ , \ x=72 \ , \ y=0 \ , \ v=1440 \\ w=14 \ , \ h=72 \ , \ x=50 \ , \ y=0 \ , \ v=1008 \\ w=9 \ , \ h=96 \ , \ x=87 \ , \ y=0 \ , \ v=864 \\ w=8 \ , \ h=71 \ , \ x=64 \ , \ y=0 \ , \ v=568 \end{array}$$

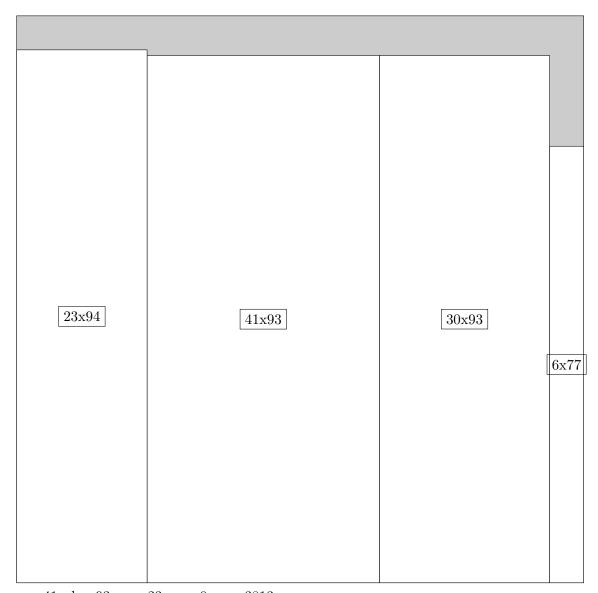


 $\le =36$, h=98 , x=0 , y=0 , v=3528

 $\le =35$, h =94 , x =52 , y =0 , v =3290

 $\le =16$, h=98 , x=36 , y=0 , v=1568

 \mathbf{w} =13 , h =91 , x =87 , y =0 , v =1183

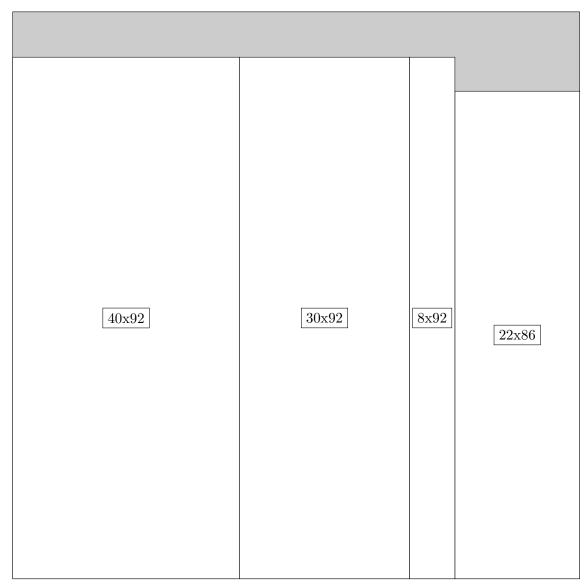


 $\le =41$, h=93 , x=23 , y=0 , v=3813

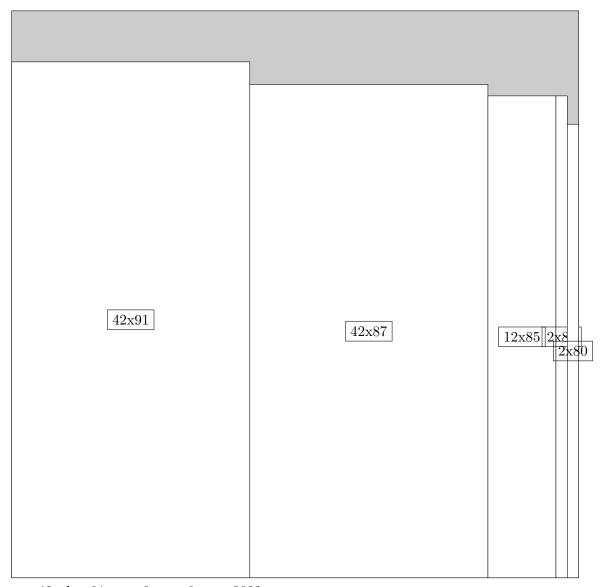
 $\le =30$, h =93 , x =64 , y =0 , v =2790

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

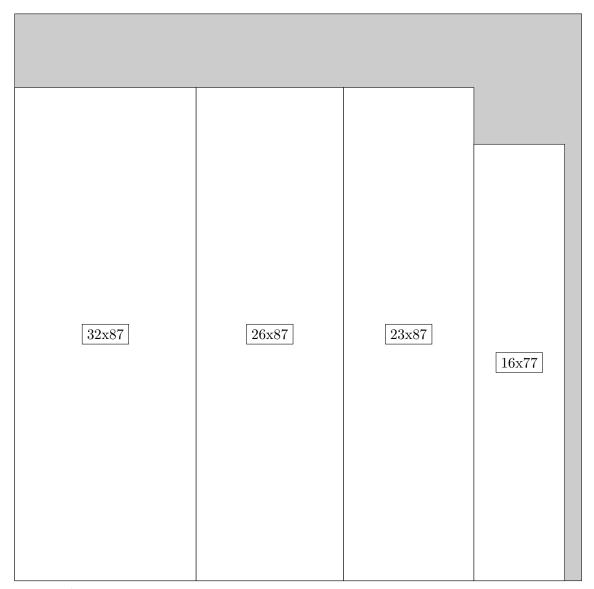
 \mathbf{w} =6 , h =77 , x =94 , y =0 , v =462



 $\begin{array}{l} w = \!\! 40 \ , \ h = \!\! 92 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3680 \\ w = \!\! 30 \ , \ h = \!\! 92 \ , \ x = \!\! 40 \ , \ y = \!\! 0 \ , \ v = \!\! 2760 \\ w = \!\! 22 \ , \ h = \!\! 86 \ , \ x = \!\! 78 \ , \ y = \!\! 0 \ , \ v = \!\! 1892 \\ w = \!\! 8 \ , \ h = \!\! 92 \ , \ x = \!\! 70 \ , \ y = \!\! 0 \ , \ v = \!\! 736 \end{array}$



$$\begin{array}{l} w = \!\! 42 \; , \; h = \!\! 91 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 3822 \\ w = \!\! 42 \; , \; h = \!\! 87 \; , \; x = \!\! 42 \; , \; y = \!\! 0 \; , \; v = \!\! 3654 \\ w = \!\! 12 \; , \; h = \!\! 85 \; , \; x = \!\! 84 \; , \; y = \!\! 0 \; , \; v = \!\! 1020 \\ w = \!\! 2 \; , \; h = \!\! 85 \; , \; x = \!\! 96 \; , \; y = \!\! 0 \; , \; v = \!\! 170 \\ w = \!\! 2 \; , \; h = \!\! 80 \; , \; x = \!\! 98 \; , \; y = \!\! 0 \; , \; v = \!\! 160 \end{array}$$

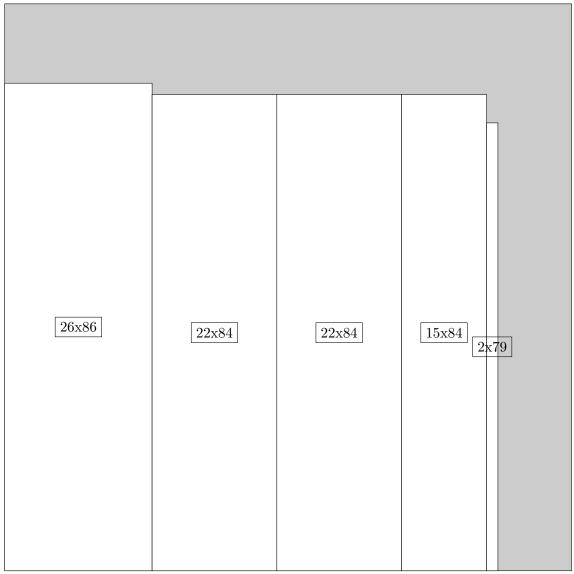


$$\le =32$$
 , h =87 , x =0 , y =0 , v =2784

$$\le =26$$
 , h =87 , x =32 , y =0 , v =2262

$$\le =23$$
 , h =87 , x =58 , y =0 , v =2001

$$\mathbf{w}$$
 =16 , h =77 , x =81 , y =0 , v =1232



$$\begin{array}{l} w=26 \ , \ h=86 \ , \ x=0 \ , \ y=0 \ , \ v=2236 \\ w=22 \ , \ h=84 \ , \ x=26 \ , \ y=0 \ , \ v=1848 \\ w=22 \ , \ h=84 \ , \ x=48 \ , \ y=0 \ , \ v=1848 \\ w=15 \ , \ h=84 \ , \ x=70 \ , \ y=0 \ , \ v=1260 \\ w=2 \ , \ h=79 \ , \ x=85 \ , \ y=0 \ , \ v=158 \end{array}$$