$ClassName: \ Class_07.2bp-38$

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>240000</u> InS: <u>197422</u> Rate: <u>0.823</u> UB: <u>24</u> LB0: <u>23</u>

LB: <u>24</u>

LBWithCut: $\underline{\mathbf{24}}$ NodeCut: $\underline{\mathbf{0}}$

ExtendedNodeCnt: 1

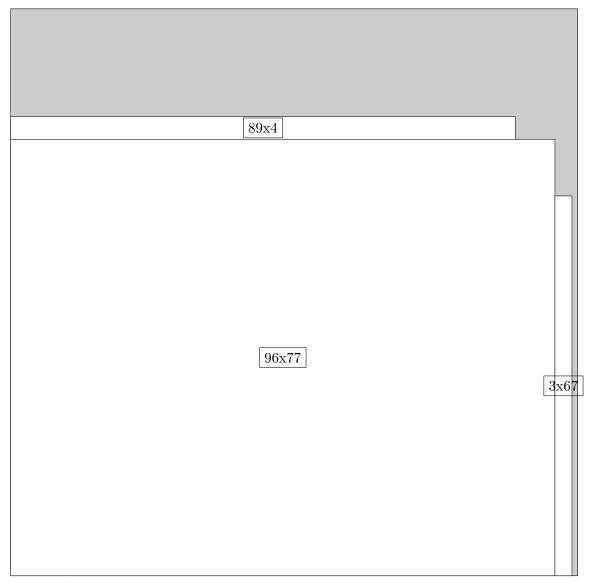
GenNodeCnt: $\underline{1}$ PrimalNode: $\underline{0}$ ColumnCount: $\underline{177}$ TotalCutCount: $\underline{0}$ RootCutCount: $\underline{0}$

LPSolverCnt: $\underline{154}$ PricingSolverCnt: $\underline{154}$ BranchAndBoundNum: $\underline{1}$

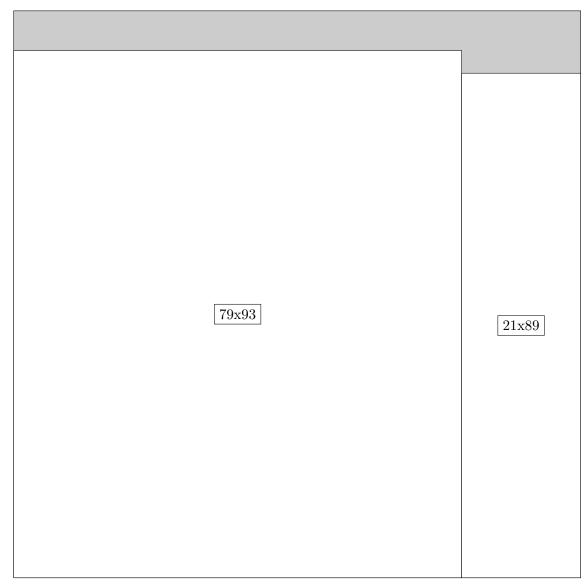
isOpt: $\underline{\mathbf{true}}$

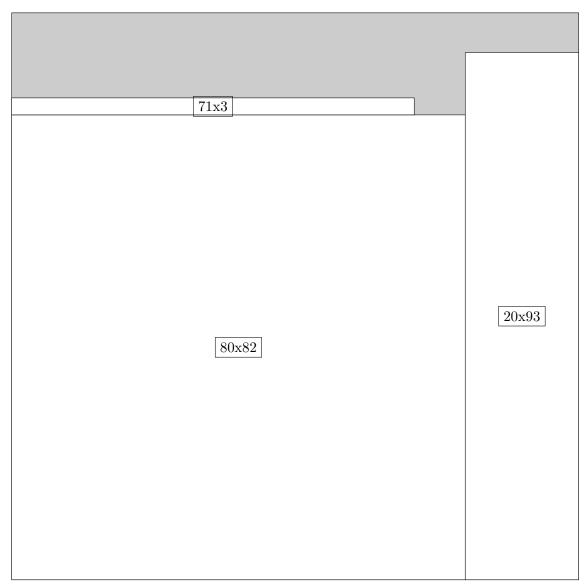
TimeOnInitSolution: $\underline{120.010 \text{ s}}$

TimeOnPrimal: 0.000 sTimeOnPricing: 8.856 sTimeOnRmp: 0.146 sTotalTime: 129.112 s



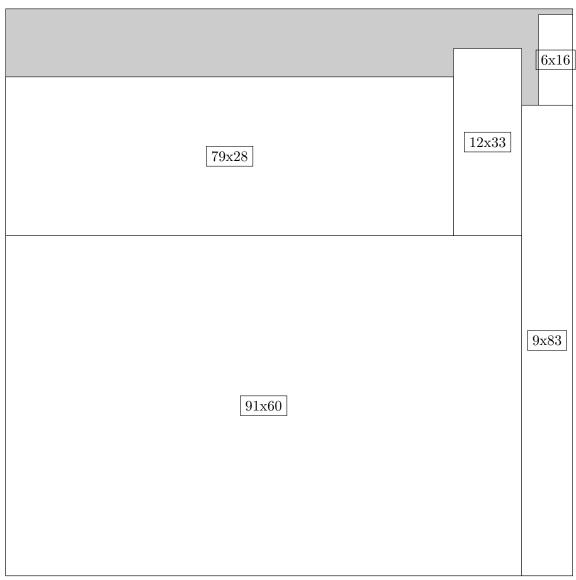
$$\begin{array}{l} w = \! 96 \ , \ h = \! 77 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7392 \\ w = \! 89 \ , \ h = \! 4 \ , \ x = \! 0 \ , \ y = \! 77 \ , \ v = \! 356 \\ w = \! 3 \ , \ h = \! 67 \ , \ x = \! 96 \ , \ y = \! 0 \ , \ v = \! 201 \end{array}$$



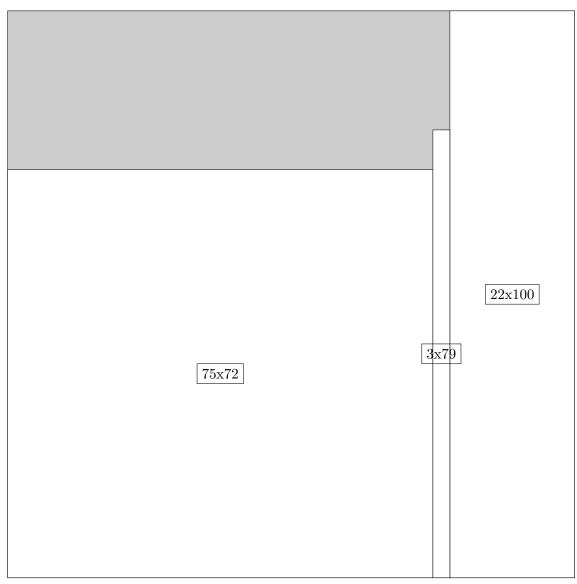


$$\begin{array}{l} w = \! 80 \ , \ h = \! 82 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6560 \\ w = \! 20 \ , \ h = \! 93 \ , \ x = \! 80 \ , \ y = \! 0 \ , \ v = \! 1860 \end{array}$$

$$\le -71$$
 , h =3 , x =0 , y =82 , v =213



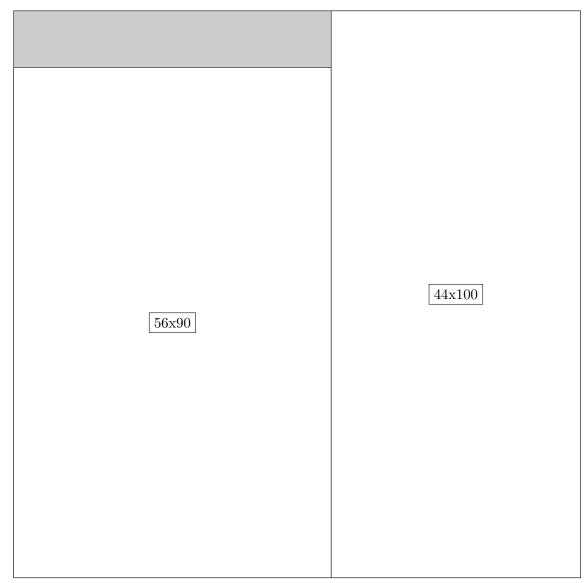
$$\begin{array}{l} w = \! 91 \ , \ h = \! 60 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5460 \\ w = \! 79 \ , \ h = \! 28 \ , \ x = \! 0 \ , \ y = \! 60 \ , \ v = \! 2212 \\ w = \! 9 \ , \ h = \! 83 \ , \ x = \! 91 \ , \ y = \! 0 \ , \ v = \! 747 \\ w = \! 12 \ , \ h = \! 33 \ , \ x = \! 79 \ , \ y = \! 60 \ , \ v = \! 396 \\ w = \! 6 \ , \ h = \! 16 \ , \ x = \! 94 \ , \ y = \! 83 \ , \ v = \! 96 \end{array}$$



 $\begin{array}{l} w = \!\!\! 75 \ , \ h = \!\!\! 72 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 5400 \\ w = \!\!\! 22 \ , \ h = \!\!\! 100 \ , \ x = \!\!\! 78 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 2200 \\ w = \!\!\! 3 \ , \ h = \!\!\! 79 \ , \ x = \!\!\! 75 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 237 \end{array}$



$$\begin{array}{l} w = \! 96 \ , \ h = \! 56 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5376 \\ w = \! 99 \ , \ h = \! 44 \ , \ x = \! 0 \ , \ y = \! 56 \ , \ v = \! 4356 \\ w = \! 1 \ , \ h = \! 22 \ , \ x = \! 99 \ , \ y = \! 78 \ , \ v = \! 22 \end{array}$$



w =56, h =90, x =0, y =0, v =5040 w =44, h =100, x =56, y =0, v =4400

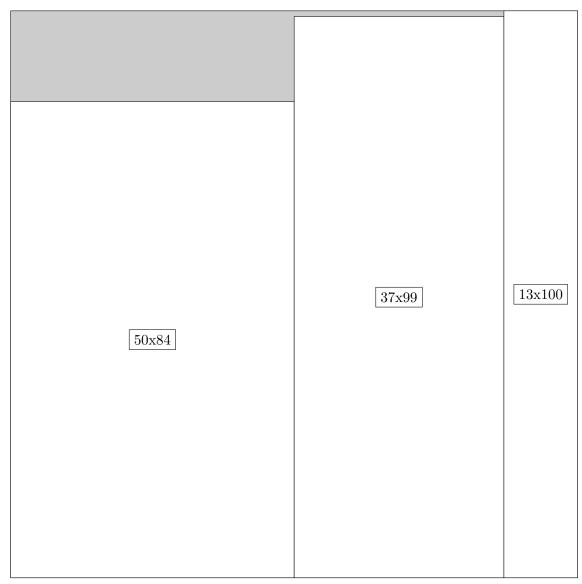


$$w = 93$$
, $h = 52$, $x = 0$, $y = 0$, $v = 4836$

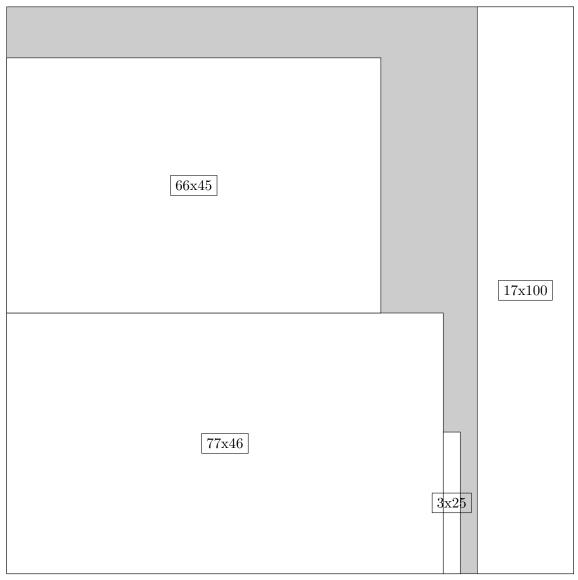
$$\le =47$$
 , h =45 , x =20 , y =52 , v =2115

$$\le =20$$
 , h =48 , x =0 , y =52 , v =960

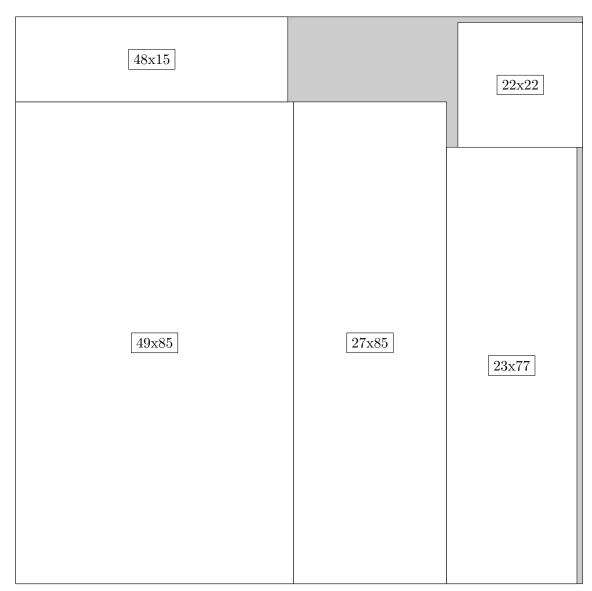
$$w$$
 =7 , h =87 , x =93 , y =0 , v =609



 $\begin{array}{l} w = \! 50 \ , \ h = \! 84 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4200 \\ w = \! 37 \ , \ h = \! 99 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 3663 \\ w = \! 13 \ , \ h = \! 100 \ , \ x = \! 87 \ , \ y = \! 0 \ , \ v = \! 1300 \end{array}$



 $\begin{array}{l} w=77 \ , \ h=46 \ , \ x=0 \ , \ y=0 \ , \ v=3542 \\ w=3 \ , \ h=25 \ , \ x=77 \ , \ y=0 \ , \ v=75 \\ w=17 \ , \ h=100 \ , \ x=83 \ , \ y=0 \ , \ v=1700 \\ w=66 \ , \ h=45 \ , \ x=0 \ , \ y=46 \ , \ v=2970 \end{array}$



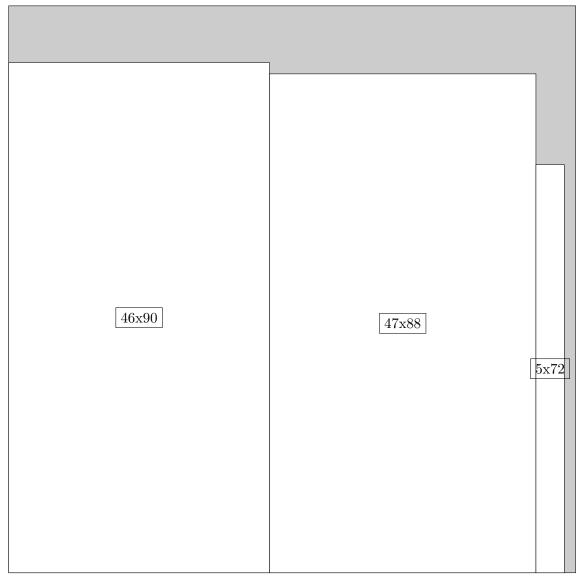
$$\le 49$$
 , h =85 , x =0 , y =0 , v =4165

$$\le =27$$
 , h =85 , x =49 , y =0 , v =2295

$$\le =23$$
 , h =77 , x =76 , y =0 , v =1771

$$\le =48$$
 , h =15 , x =0 , y =85 , v =720

$$w = 22$$
, $h = 22$, $x = 78$, $y = 77$, $v = 484$

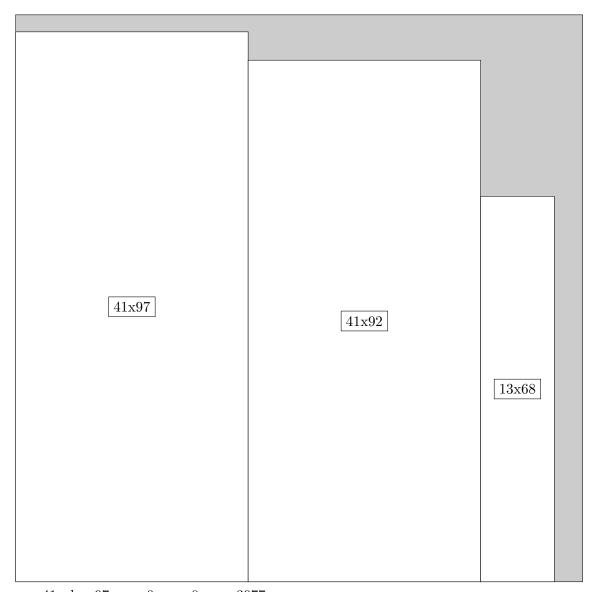


40.07	40.07	
46x87	42x87	12x72

$$w = 46$$
, $h = 87$, $x = 0$, $y = 0$, $v = 4002$

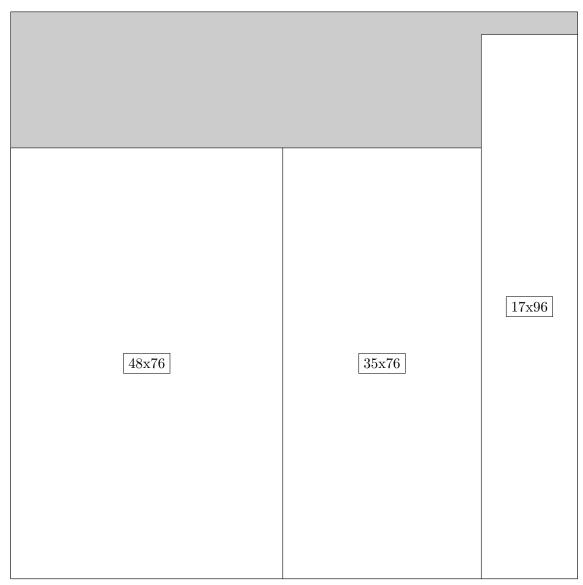
$$\le =42$$
 , $h=87$, $x=46$, $y=0$, $v=3654$

$$\le =12$$
 , h =72 , x =88 , y =0 , v =864



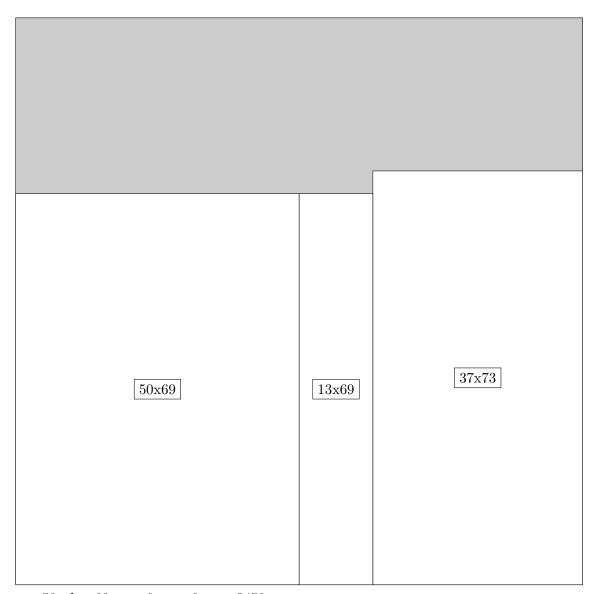
$$\begin{array}{l} w = \! 41 \ , \ h = \! 97 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3977 \\ w = \! 41 \ , \ h = \! 92 \ , \ x = \! 41 \ , \ y = \! 0 \ , \ v = \! 3772 \end{array}$$

w =13 , h =68 , x =82 , y =0 , v =884



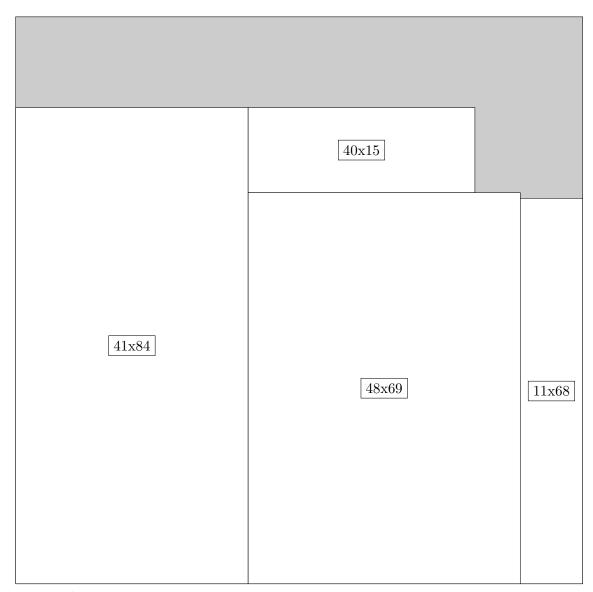
$$\begin{array}{l} w = \! 48 \ , \ h = \! 76 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3648 \\ w = \! 35 \ , \ h = \! 76 \ , \ x = \! 48 \ , \ y = \! 0 \ , \ v = \! 2660 \end{array}$$

$$\le =17$$
 , h =96 , x =83 , y =0 , v =1632



 $\begin{array}{l} w = \! 50 \ , \ h = \! 69 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3450 \\ w = \! 37 \ , \ h = \! 73 \ , \ x = \! 63 \ , \ y = \! 0 \ , \ v = \! 2701 \end{array}$

w = 13, h = 69, x = 50, y = 0, v = 897

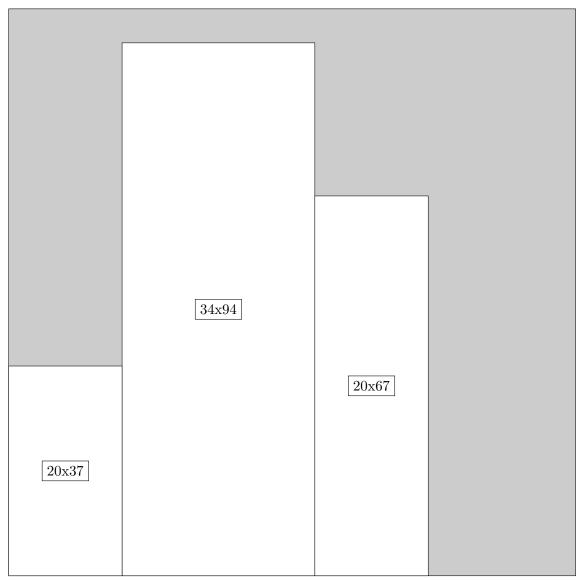


 \mathbf{w} =41 , h =84 , x =0 , y =0 , v =3444

 $\le =48$, $h=\!69$, $x=\!41$, $y=\!0$, $v=\!3312$

 $\le =11$, h =68 , x =89 , y =0 , v =748

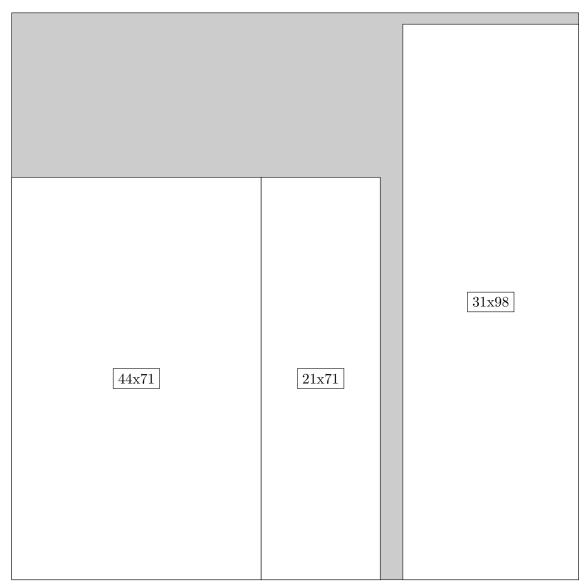
 $\le =40$, h=15 , x=41 , y=69 , v=600



$$\le =34$$
 , h =94 , x =20 , y =0 , v =3196

$$\le =20$$
 , h =67 , x =54 , y =0 , v =1340

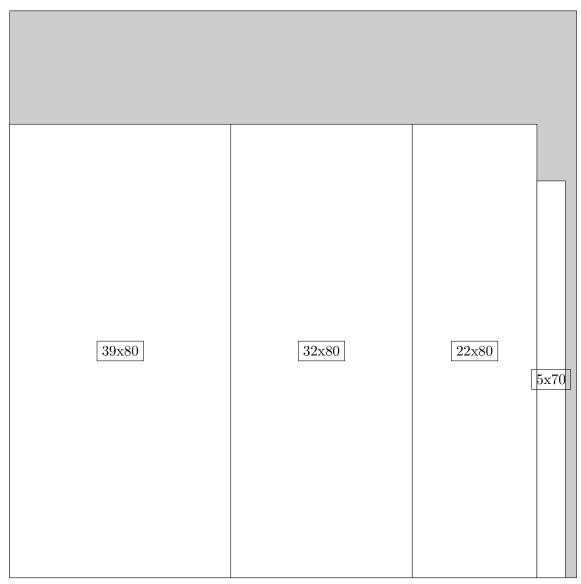
$$\mathbf{w}$$
 =20 , h =37 , x =0 , y =0 , v =740



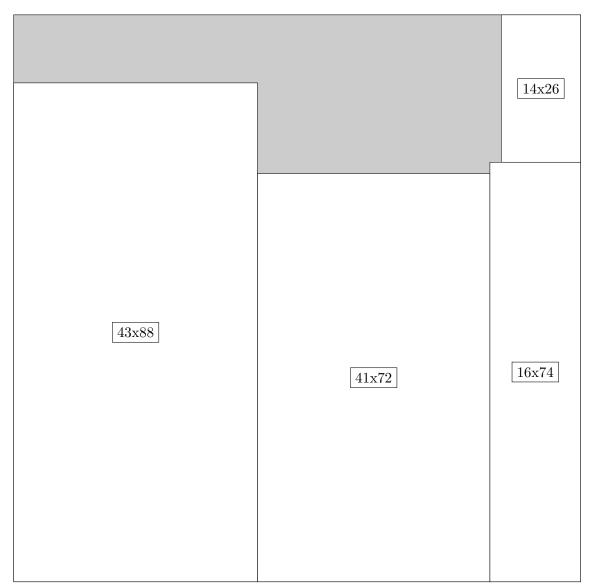
 \mathbf{w} =44 , h =71 , x =0 , y =0 , v =3124

 $\le =31$, h=98 , x=69 , y=0 , v=3038

 $\le =21$, h =71 , x =44 , y =0 , v =1491



 $\begin{array}{l} w = & 39 \ , \ h = & 80 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 3120 \\ w = & 32 \ , \ h = & 80 \ , \ x = & 39 \ , \ y = & 0 \ , \ v = & 2560 \\ w = & 22 \ , \ h = & 80 \ , \ x = & 71 \ , \ y = & 0 \ , \ v = & 1760 \\ w = & 5 \ , \ h = & 70 \ , \ x = & 93 \ , \ y = & 0 \ , \ v = & 350 \end{array}$

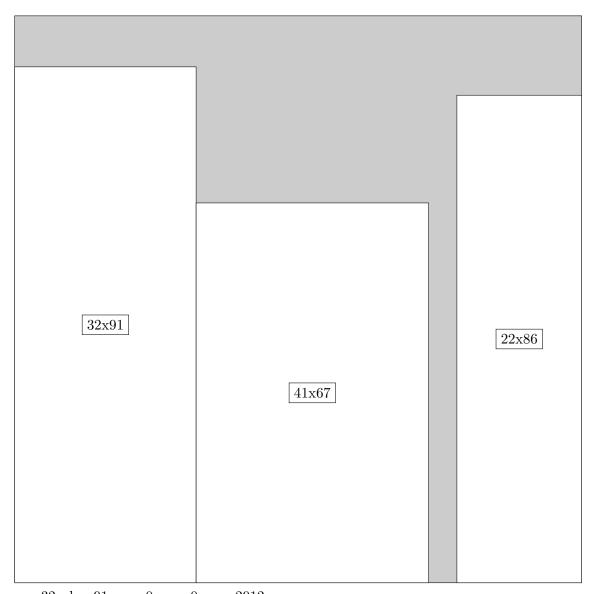


$$\le =43$$
 , $h=88$, $x=0$, $y=0$, $v=3784$

$$\le =41$$
 , h =72 , x =43 , y =0 , v =2952

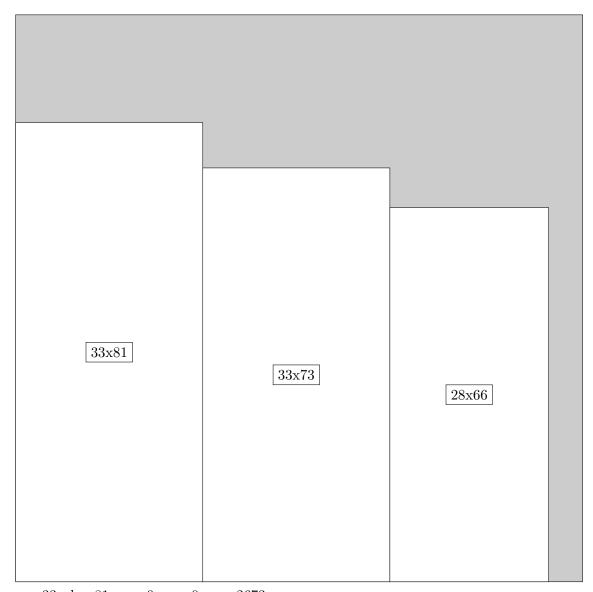
$$\le =16$$
 , $h=74$, $x=84$, $y=0$, $v=1184$

$$\le =14$$
 , h =26 , x =86 , y =74 , v =364



 $\begin{array}{l} w = & 32 \ , \ h = & 91 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 2912 \\ w = & 41 \ , \ h = & 67 \ , \ x = & 32 \ , \ y = & 0 \ , \ v = & 2747 \end{array}$

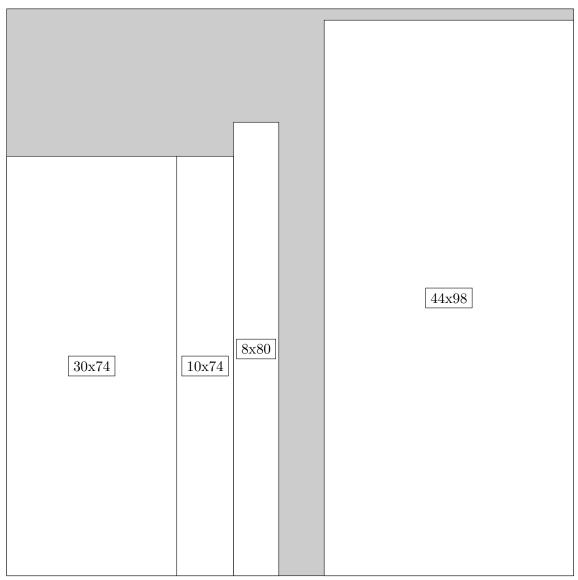
 $\le =22$, h =86 , x =78 , y =0 , v =1892



$$\le =33$$
 , h =81 , x =0 , y =0 , v =2673

$$\le =33$$
 , h =73 , x =33 , y =0 , v =2409

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



 $\begin{array}{l} w = \!\! 44 \;,\; h = \!\! 98 \;,\; x = \!\! 56 \;,\; y = \!\! 0 \;,\; v = \!\! 4312 \\ w = \!\! 8 \;,\; h = \!\! 80 \;,\; x = \!\! 40 \;,\; y = \!\! 0 \;,\; v = \!\! 640 \\ w = \!\! 30 \;,\; h = \!\! 74 \;,\; x = \!\! 0 \;,\; y = \!\! 0 \;,\; v = \!\! 2220 \\ w = \!\! 10 \;,\; h = \!\! 74 \;,\; x = \!\! 30 \;,\; y = \!\! 0 \;,\; v = \!\! 740 \end{array}$