$ClassName: {\bf Class\_07.2bp\text{-}31}$ 

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

TypeNum: <u>79</u>
Num: <u>80</u>
OutS: <u>250000</u>
InS: <u>209200</u>
Rate: <u>0.837</u>
UB: <u>25</u>
LB0: <u>25</u>
LB: <u>25</u>

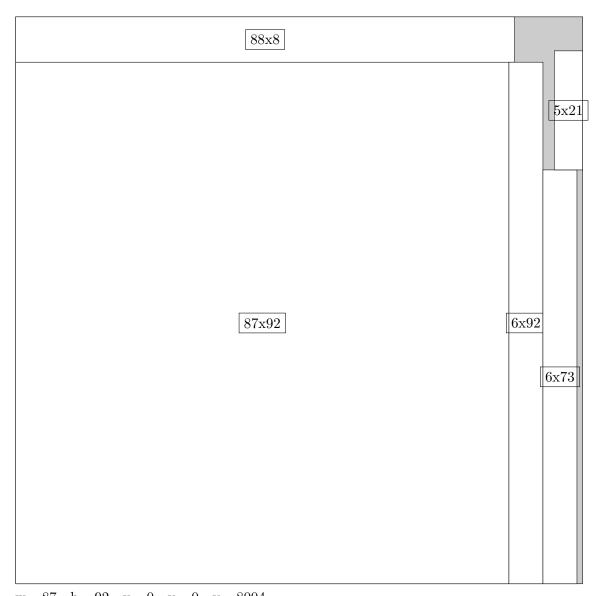
LBWithCut:  $\underline{\mathbf{25}}$ NodeCut:  $\underline{\mathbf{0}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{25}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$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

isOpt: **true** 

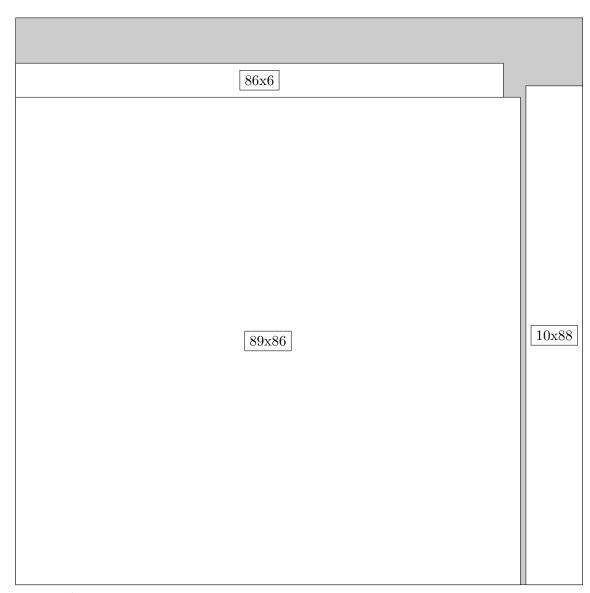
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 0.110 s



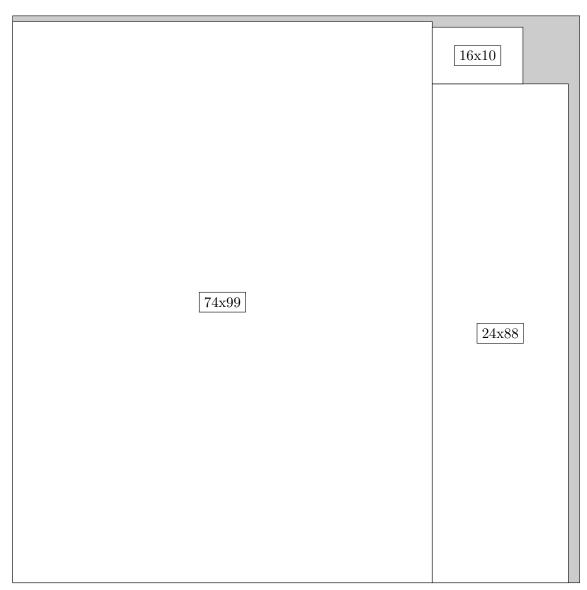
w = 99, h = 97, x = 0, y = 0, v = 9603



 $\begin{array}{l} w = \! 87 \;,\; h = \! 92 \;,\; x = \! 0 \;,\; y = \! 0 \;,\; v = \! 8004 \\ w = \! 88 \;,\; h = \! 8 \;,\; x = \! 0 \;,\; y = \! 92 \;,\; v = \! 704 \\ w = \! 6 \;,\; h = \! 92 \;,\; x = \! 87 \;,\; y = \! 0 \;,\; v = \! 552 \\ w = \! 6 \;,\; h = \! 73 \;,\; x = \! 93 \;,\; y = \! 0 \;,\; v = \! 438 \\ w = \! 5 \;,\; h = \! 21 \;,\; x = \! 95 \;,\; y = \! 73 \;,\; v = \! 105 \end{array}$ 



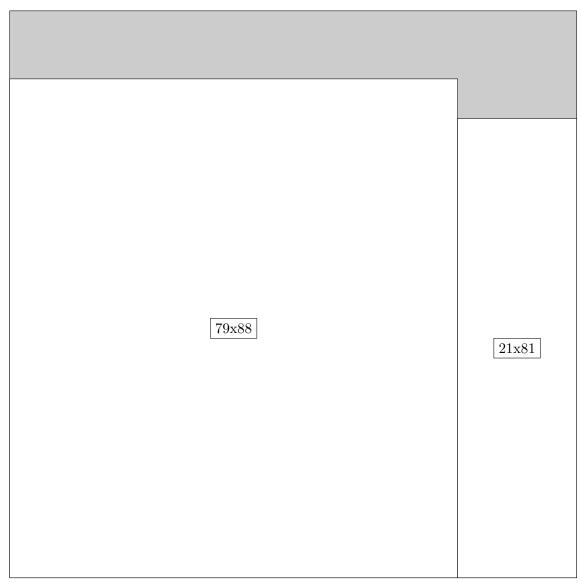
$$\begin{array}{l} w = & 10 \ , \ h = & 88 \ , \ x = & 90 \ , \ y = & 0 \ , \ v = & 880 \\ w = & 86 \ , \ h = & 6 \ , \ x = & 0 \ , \ y = & 86 \ , \ v = & 516 \end{array}$$



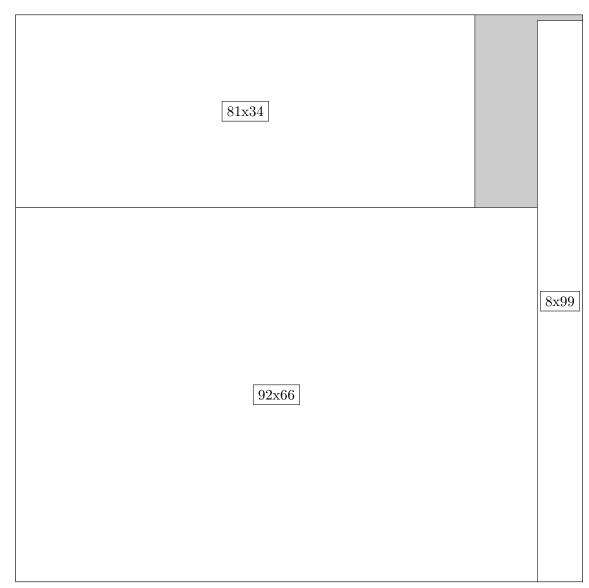
$$w = 74$$
,  $h = 99$ ,  $x = 0$ ,  $y = 0$ ,  $v = 7326$ 

$$\le =24$$
 ,  $h$  =88 ,  $x$  =74 ,  $y$  =0 ,  $v$  =2112

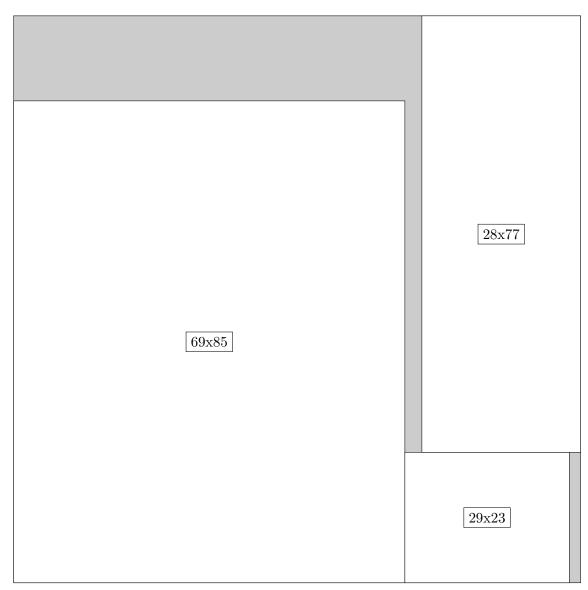
$$\le =16$$
 ,  $h=10$  ,  $x=74$  ,  $y=88$  ,  $v=160$ 



$$\begin{array}{c} w = 79 \; , \; h = 88 \; , \; x = 0 \; , \; y = 0 \; , \; v = 6952 \\ w = 21 \; , \; h = 81 \; , \; x = 79 \; , \; y = 0 \; , \; v = 1701 \\ \end{array}$$



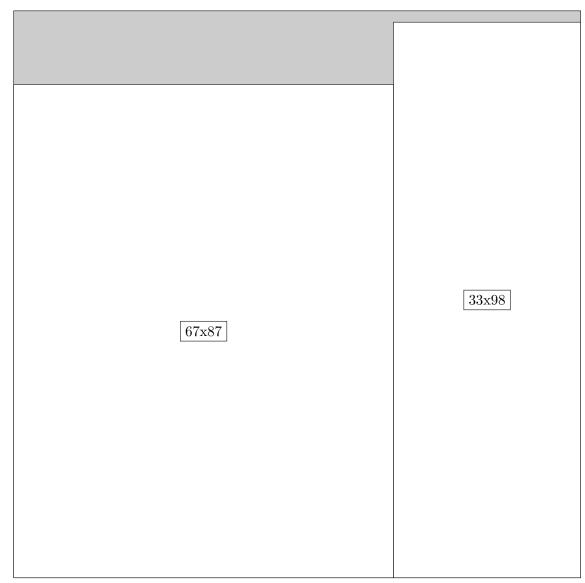
$$\begin{array}{l} w = 92 \ , \ h = 66 \ , \ x = 0 \ , \ y = 0 \ , \ v = 6072 \\ w = 81 \ , \ h = 34 \ , \ x = 0 \ , \ y = 66 \ , \ v = 2754 \\ w = 8 \ , \ h = 99 \ , \ x = 92 \ , \ y = 0 \ , \ v = 792 \end{array}$$



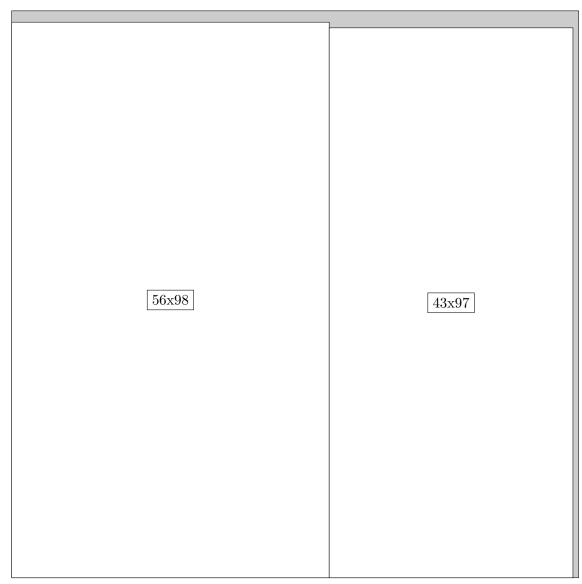
$$w = 69$$
,  $h = 85$ ,  $x = 0$ ,  $y = 0$ ,  $v = 5865$ 

$$\le =28$$
 , h =77 , x =72 , y =23 , v =2156

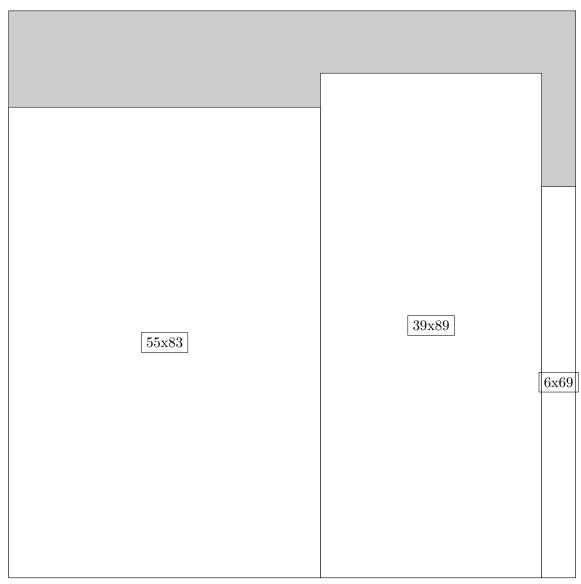
$$\le =29$$
 , h =23 , x =69 , y =0 , v =667



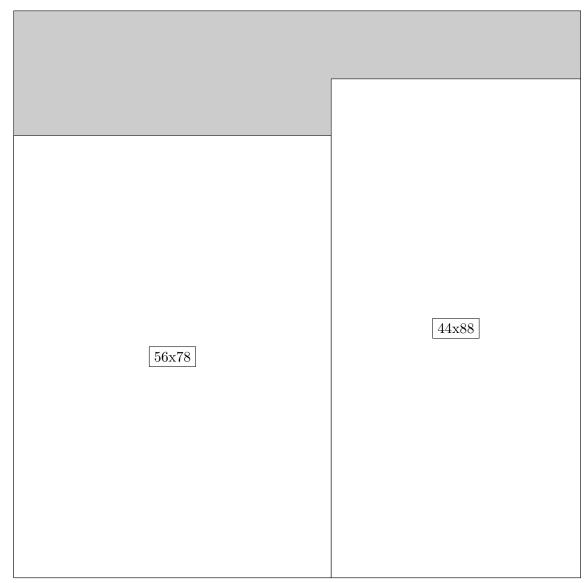
$$\begin{array}{c} w = \!\!67 \; , \; h = \!\!87 \; , \; x = \!\!0 \; , \; y = \!\!0 \; , \; v = \!\!5829 \\ w = \!\!33 \; , \; h = \!\!98 \; , \; x = \!\!67 \; , \; y = \!\!0 \; , \; v = \!\!3234 \\ \end{array}$$

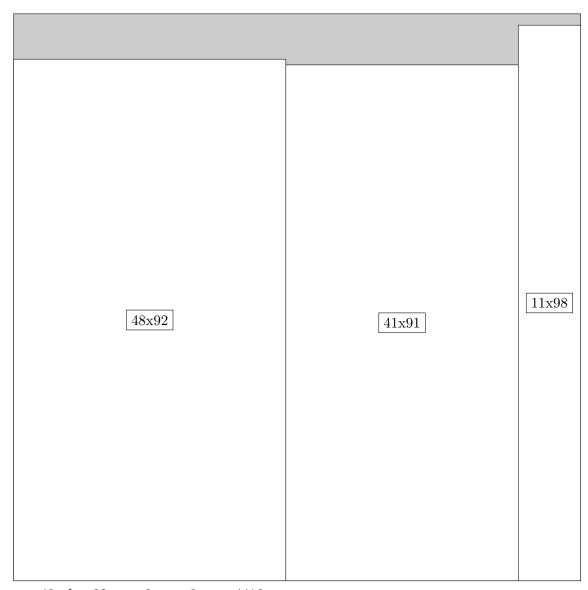


$$\begin{array}{c} w = \!\! 56 \; , \; h = \!\! 98 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 5488 \\ w = \!\! 43 \; , \; h = \!\! 97 \; , \; x = \!\! 56 \; , \; y = \!\! 0 \; , \; v = \!\! 4171 \end{array}$$

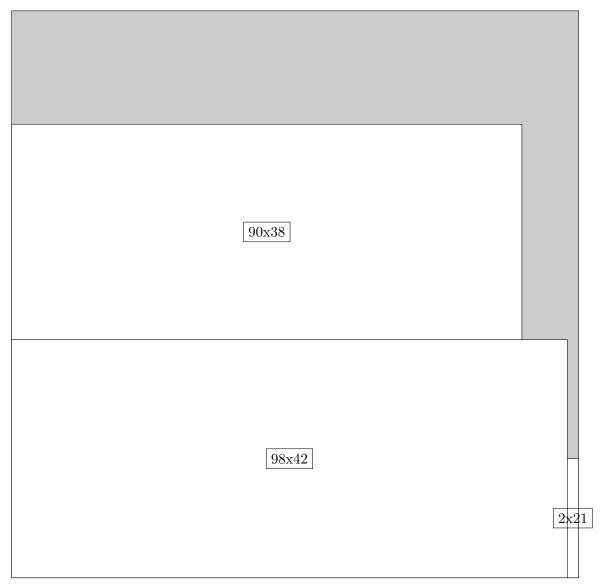


 $\begin{array}{l} w = \! 55 \ , \ h = \! 83 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4565 \\ w = \! 39 \ , \ h = \! 89 \ , \ x = \! 55 \ , \ y = \! 0 \ , \ v = \! 3471 \\ w = \! 6 \ , \ h = \! 69 \ , \ x = \! 94 \ , \ y = \! 0 \ , \ v = \! 414 \end{array}$ 

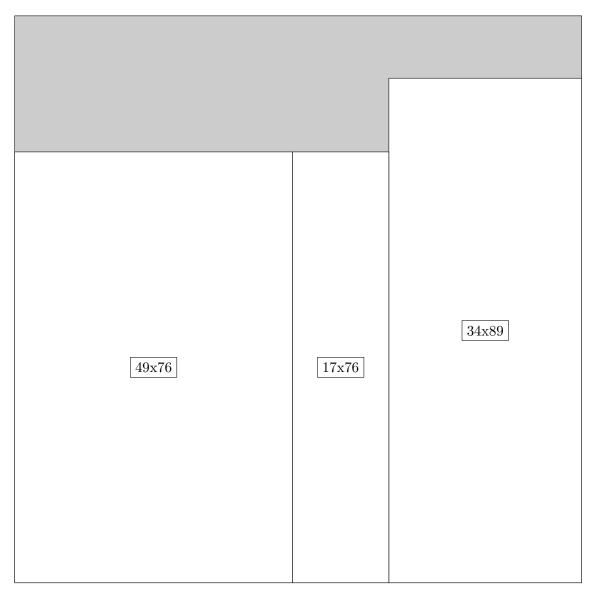




$$\begin{array}{l} w = \!\! 48 \ , \ h = \!\! 92 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4416 \\ w = \!\! 41 \ , \ h = \!\! 91 \ , \ x = \!\! 48 \ , \ y = \!\! 0 \ , \ v = \!\! 3731 \\ w = \!\! 11 \ , \ h = \!\! 98 \ , \ x = \!\! 89 \ , \ y = \!\! 0 \ , \ v = \!\! 1078 \end{array}$$



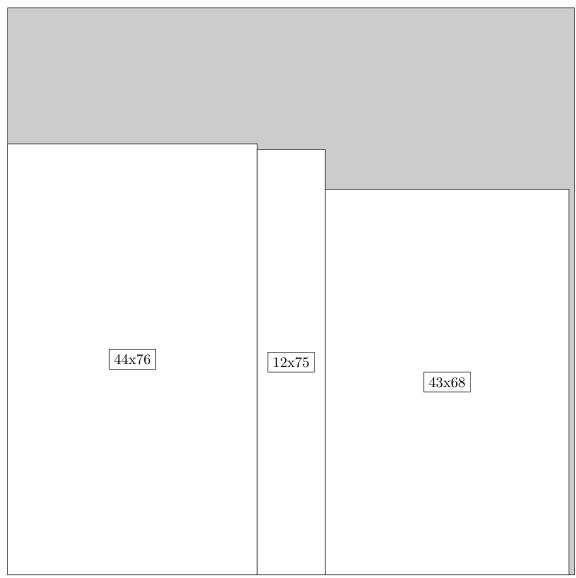
 $\begin{array}{l} w = \! 98 \ , \ h = \! 42 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4116 \\ w = \! 90 \ , \ h = \! 38 \ , \ x = \! 0 \ , \ y = \! 42 \ , \ v = \! 3420 \\ w = \! 2 \ , \ h = \! 21 \ , \ x = \! 98 \ , \ y = \! 0 \ , \ v = \! 42 \end{array}$ 



w = 49, h = 76, x = 0, y = 0, v = 3724

 $\le =34$  , h =89 , x =66 , y =0 , v =3026

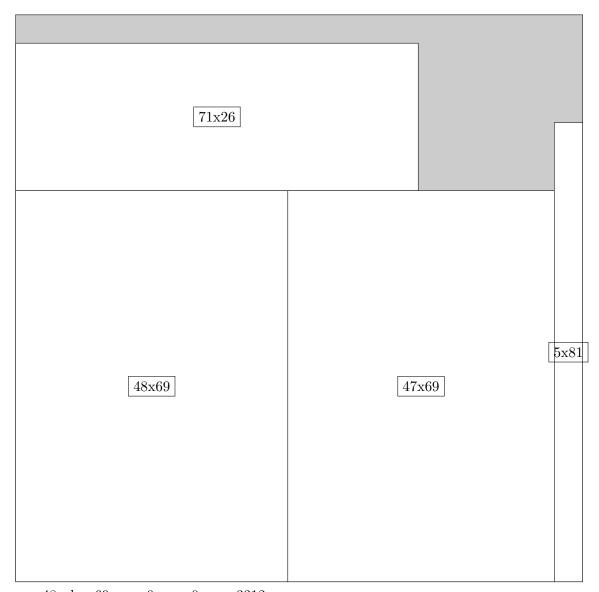
 $\mathbf{w}$  =17 ,  $\mathbf{h}$  =76 ,  $\mathbf{x}$  =49 ,  $\mathbf{y}$  =0 ,  $\mathbf{v}$  =1292



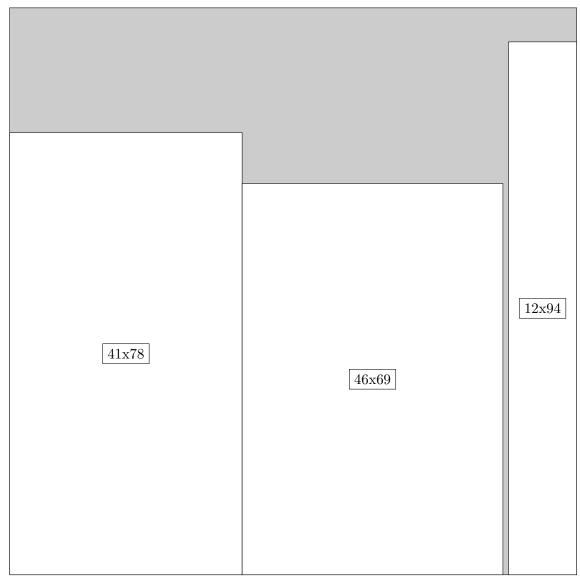
$$\le =44$$
 , h =76 , x =0 , y =0 , v =3344

$$\le =43$$
 ,  $h=68$  ,  $x=56$  ,  $y=0$  ,  $v=2924$ 

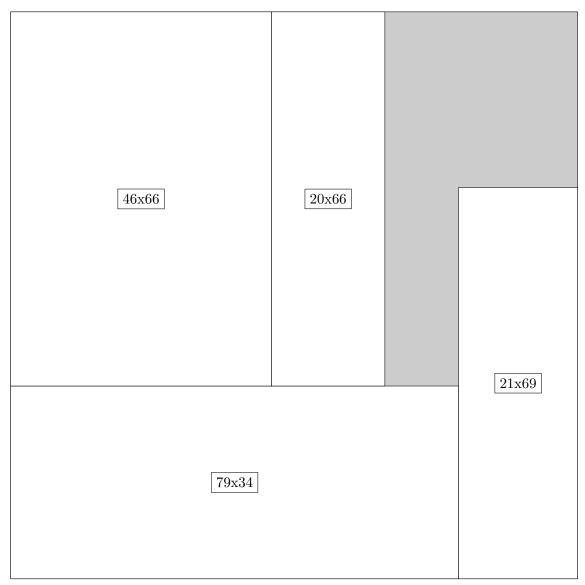
$$w=\!12$$
 ,  $h=\!75$  ,  $x=\!44$  ,  $y=\!0$  ,  $v=\!900$ 



$$\begin{array}{l} w = \!\! 48 \ , \ h = \!\! 69 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3312 \\ w = \!\! 47 \ , \ h = \!\! 69 \ , \ x = \!\! 48 \ , \ y = \!\! 0 \ , \ v = \!\! 3243 \\ w = \!\! 71 \ , \ h = \!\! 26 \ , \ x = \!\! 0 \ , \ y = \!\! 69 \ , \ v = \!\! 1846 \\ w = \!\! 5 \ , \ h = \!\! 81 \ , \ x = \!\! 95 \ , \ y = \!\! 0 \ , \ v = \!\! 405 \end{array}$$



 $\begin{array}{l} w = & 41 \ , \ h = & 78 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 3198 \\ w = & 46 \ , \ h = & 69 \ , \ x = & 41 \ , \ y = & 0 \ , \ v = & 3174 \\ w = & 12 \ , \ h = & 94 \ , \ x = & 88 \ , \ y = & 0 \ , \ v = & 1128 \end{array}$ 



$$\le =79$$
 , h =34 , x =0 , y =0 , v =2686

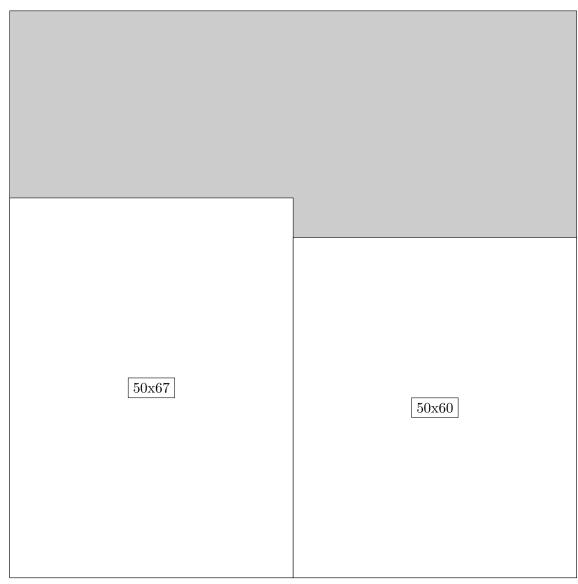
$$\le =46$$
 ,  $h=66$  ,  $x=0$  ,  $y=34$  ,  $v=3036$ 

$$\le =21$$
 , h =69 , x =79 , y =0 , v =1449

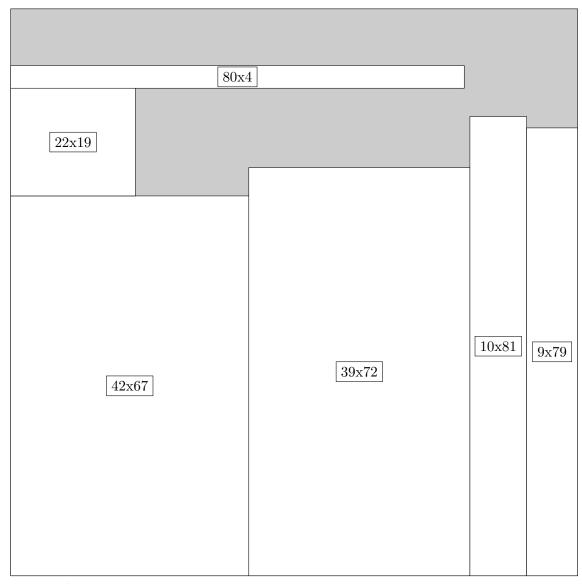
$$\le =20$$
 ,  $h=66$  ,  $x=46$  ,  $y=34$  ,  $v=1320$ 

85x16			
$\boxed{44\text{x}69}$	25x69	23x69	8x98

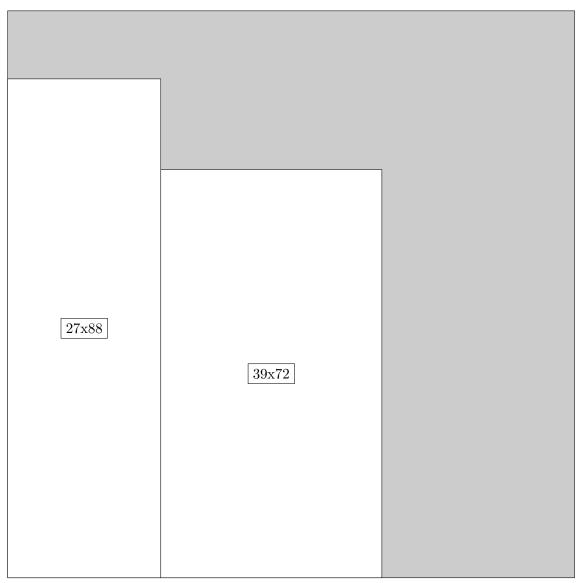
$$\begin{array}{l} w = 44 \; , \; h = 69 \; , \; x = 0 \; , \; y = 0 \; , \; v = 3036 \\ w = 25 \; , \; h = 69 \; , \; x = 44 \; , \; y = 0 \; , \; v = 1725 \\ w = 23 \; , \; h = 69 \; , \; x = 69 \; , \; y = 0 \; , \; v = 1587 \\ w = 85 \; , \; h = 16 \; , \; x = 0 \; , \; y = 69 \; , \; v = 1360 \\ w = 8 \; , \; h = 98 \; , \; x = 92 \; , \; y = 0 \; , \; v = 784 \end{array}$$



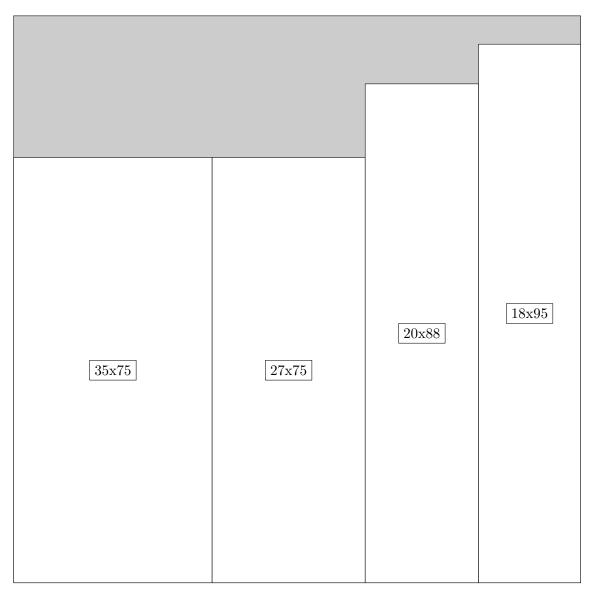
$$\begin{array}{c} w = \! 50 \; , \; h = \! 67 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3350 \\ w = \! 50 \; , \; h = \! 60 \; , \; x = \! 50 \; , \; y = \! 0 \; , \; v = \! 3000 \\ \end{array}$$



$$\begin{array}{l} w = \!\! 42 \; , \; h = \!\! 67 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 2814 \\ w = \!\! 39 \; , \; h = \!\! 72 \; , \; x = \!\! 42 \; , \; y = \!\! 0 \; , \; v = \!\! 2808 \\ w = \!\! 10 \; , \; h = \!\! 81 \; , \; x = \!\! 81 \; , \; y = \!\! 0 \; , \; v = \!\! 810 \\ w = \!\! 9 \; , \; h = \!\! 79 \; , \; x = \!\! 91 \; , \; y = \!\! 0 \; , \; v = \!\! 711 \\ w = \!\! 22 \; , \; h = \!\! 19 \; , \; x = \!\! 0 \; , \; y = \!\! 67 \; , \; v = \!\! 418 \\ w = \!\! 80 \; , \; h = \!\! 4 \; , \; x = \!\! 0 \; , \; y = \!\! 86 \; , \; v = \!\! 320 \\ \end{array}$$



$$\begin{array}{l} w = & 39 \ , \ h = & 72 \ , \ x = & 27 \ , \ y = & 0 \ , \ v = & 2808 \\ w = & 27 \ , \ h = & 88 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 2376 \end{array}$$

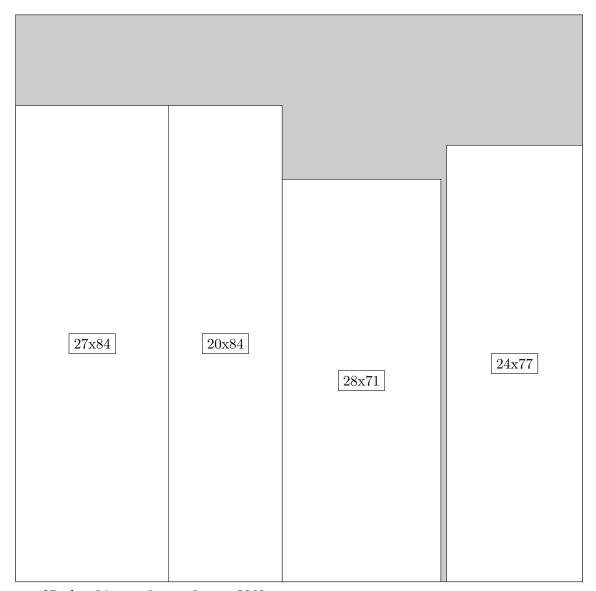


$$\le 35$$
 ,  $\le 75$  ,  $\ge 95$  ,  $\ge$ 

$$\le =27$$
 ,  $h$  =75 ,  $x$  =35 ,  $y$  =0 ,  $v$  =2025

$$\le =20$$
 , h =88 , x =62 , y =0 , v =1760

$$\mathbf{w}$$
 =18 , h =95 , x =82 , y =0 , v =1710

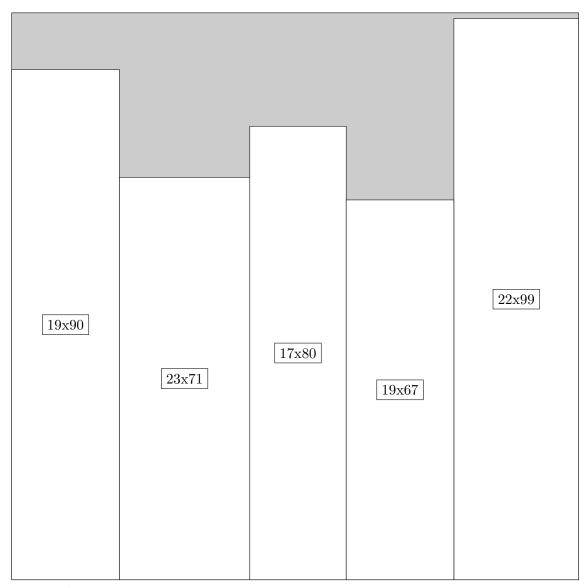


 $\le =27$  , h =84 , x =0 , y =0 , v =2268

 $\le =28$  , h =71 , x =47 , y =0 , v =1988

 $\le =24$  , h =77 , x =76 , y =0 , v =1848

w =20 , h =84 , x =27 , y =0 , v =1680



$$\le =22$$
 , h =99 , x =78 , y =0 , v =2178

$$\mathbf{w}$$
 =19 ,  $\mathbf{h}$  =90 ,  $\mathbf{x}$  =0 ,  $\mathbf{y}$  =0 ,  $\mathbf{v}$  =1710

$$\le =23$$
 , h =71 , x =19 , y =0 , v =1633

$$w=\!17$$
 ,  $h=\!80$  ,  $x=\!42$  ,  $y=\!0$  ,  $v=\!1360$ 

$$w = 19$$
,  $h = 67$ ,  $x = 59$ ,  $y = 0$ ,  $v = 1273$