$ClassName: \ Class_07.2bp-43$

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

TypeNum: <u>96</u>
Num: <u>100</u>
OutS: <u>270000</u>
InS: <u>225535</u>
Rate: <u>0.835</u>
UB: <u>27</u>
LB0: <u>27</u>

LBWithCut: $\underline{27}$ NodeCut: $\underline{0}$

LB: **27**

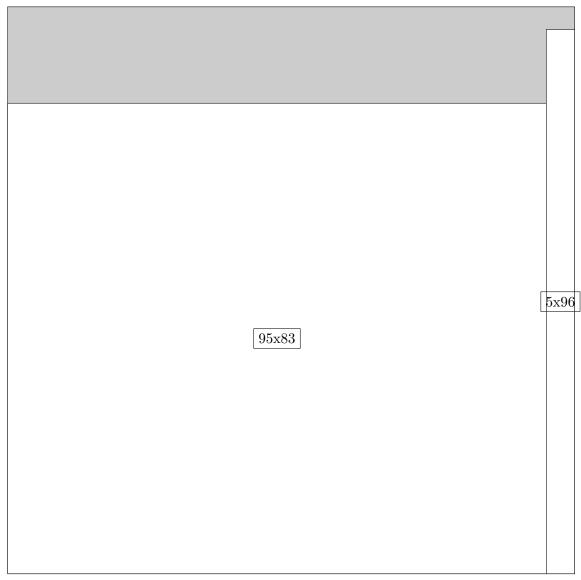
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{27}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

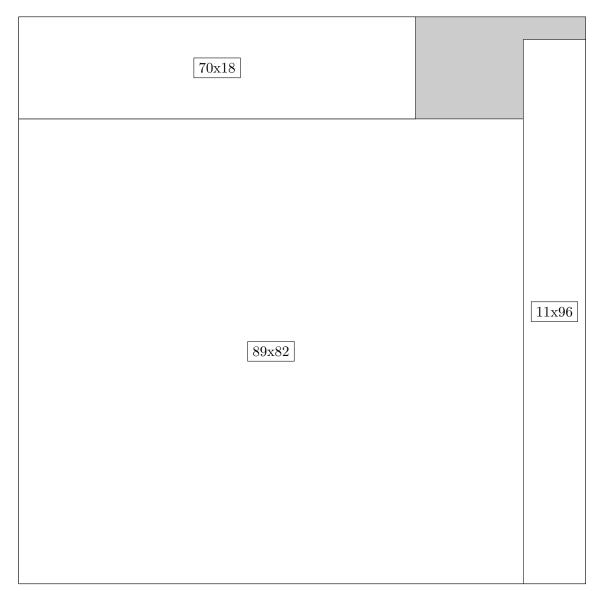
isOpt: $\underline{\mathbf{true}}$

TimeOnInitSolution: $\underline{120.050 \text{ s}}$

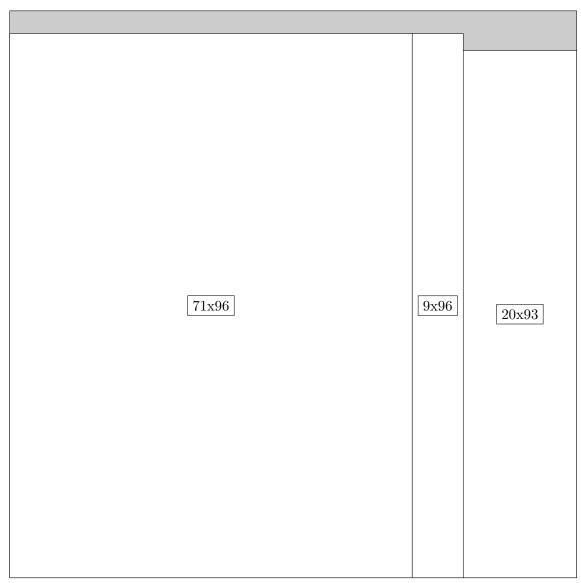
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 120.175 s



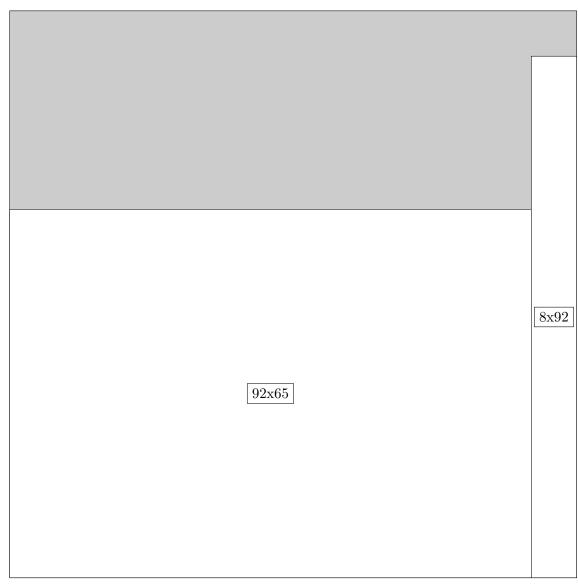
$$\begin{array}{l} w = \! 95 \ , \, h = \! 83 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 7885 \\ w = \! 5 \ , \, h = \! 96 \ , \, x = \! 95 \ , \, y = \! 0 \ , \, v = \! 480 \end{array}$$



$$\begin{array}{l} w = \! 89 \ , \ h = \! 82 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7298 \\ w = \! 70 \ , \ h = \! 18 \ , \ x = \! 0 \ , \ y = \! 82 \ , \ v = \! 1260 \\ w = \! 11 \ , \ h = \! 96 \ , \ x = \! 89 \ , \ y = \! 0 \ , \ v = \! 1056 \end{array}$$



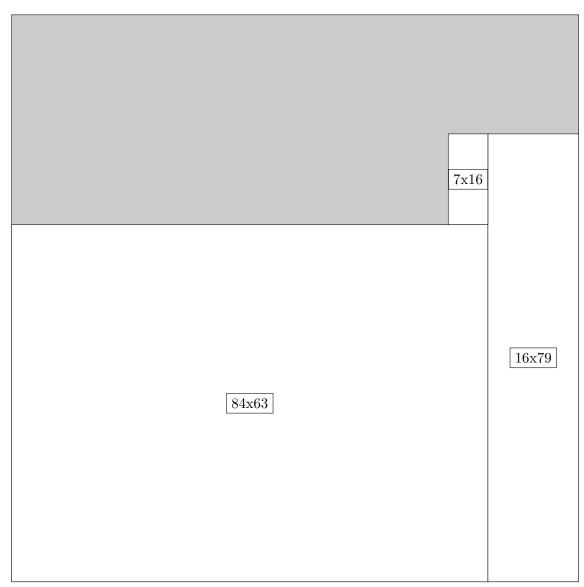
 $\begin{array}{l} w = \! 71 \ , \ h = \! 96 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6816 \\ w = \! 20 \ , \ h = \! 93 \ , \ x = \! 80 \ , \ y = \! 0 \ , \ v = \! 1860 \\ w = \! 9 \ , \ h = \! 96 \ , \ x = \! 71 \ , \ y = \! 0 \ , \ v = \! 864 \end{array}$



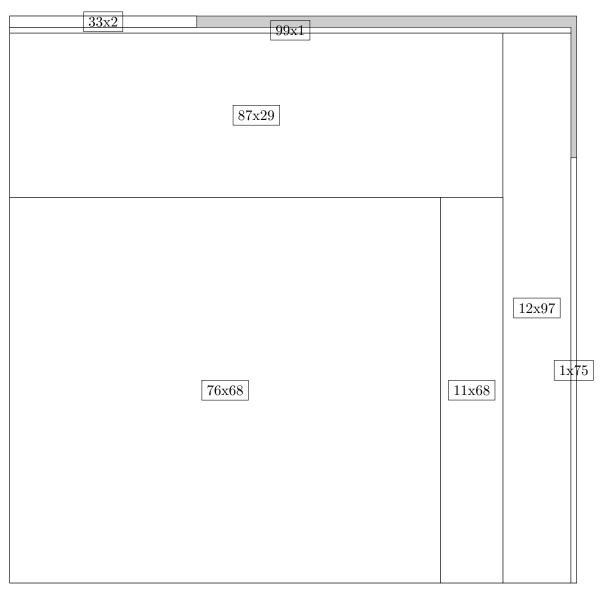
77x22		
77x69	9x91	14x92

 $\le =14$, h =92 , x =86 , y =0 , v =1288

w =9 , h =91 , x =77 , y =0 , v =819



 $\begin{array}{l} w = \! 84 \ , \ h = \! 63 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5292 \\ w = \! 16 \ , \ h = \! 79 \ , \ x = \! 84 \ , \ y = \! 0 \ , \ v = \! 1264 \\ w = \! 7 \ , \ h = \! 16 \ , \ x = \! 77 \ , \ y = \! 63 \ , \ v = \! 112 \end{array}$



$$\mathbf{w}$$
 =76 , \mathbf{h} =68 , \mathbf{x} =0 , \mathbf{y} =0 , \mathbf{v} =5168

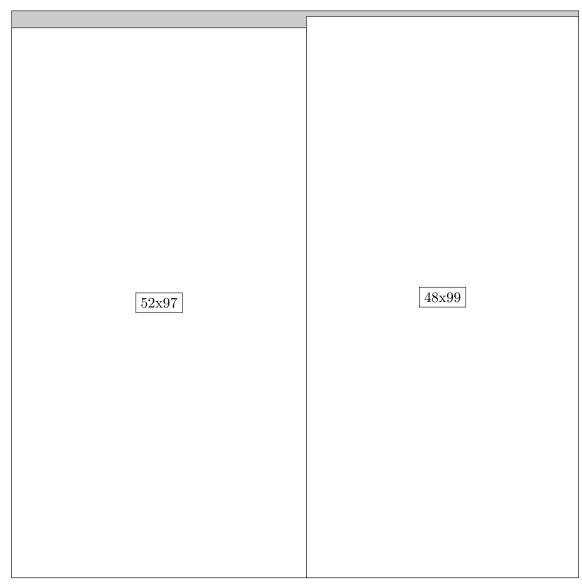
$$\le =87$$
 , h =29 , x =0 , y =68 , v =2523

$$\mathbf{w}$$
 =12 , h =97 , x =87 , y =0 , v =1164

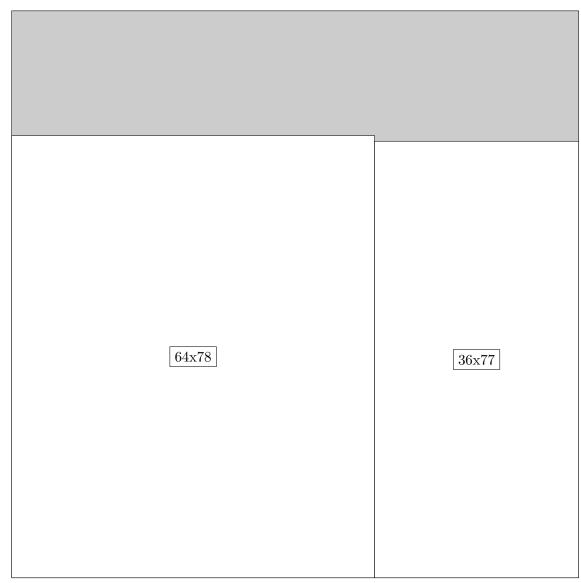
$$w$$
 =11 , h =68 , x =76 , y =0 , v =748

$$w = 99$$
, $h = 1$, $x = 0$, $y = 97$, $v = 99$

$$\begin{array}{l} w = 1 \ , \ h = 75 \ , \ x = 99 \ , \ y = 0 \ , \ v = 75 \\ w = 33 \ , \ h = 2 \ , \ x = 0 \ , \ y = 98 \ , \ v = 66 \end{array}$$



$$\begin{array}{c} w = \!\! 52 \; , \; h = \!\! 97 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 5044 \\ w = \!\! 48 \; , \; h = \!\! 99 \; , \; x = \!\! 52 \; , \; y = \!\! 0 \; , \; v = \!\! 4752 \end{array}$$



$$\begin{array}{c} w = 64 \; , \; h = 78 \; , \; x = 0 \; , \; y = 0 \; , \; v = 4992 \\ w = 36 \; , \; h = 77 \; , \; x = 64 \; , \; y = 0 \; , \; v = 2772 \\ \end{array}$$

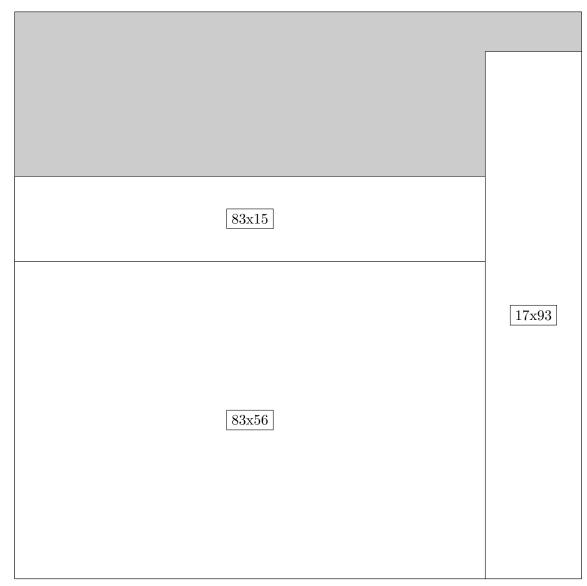
[73x14]		
55x85	18x85	27x95

$$w$$
 =55 , h =85 , x =0 , y =0 , v =4675

$$\le =27$$
 , h =95 , x =73 , y =0 , v =2565

$$\le =18$$
 , h =85 , x =55 , y =0 , v =1530

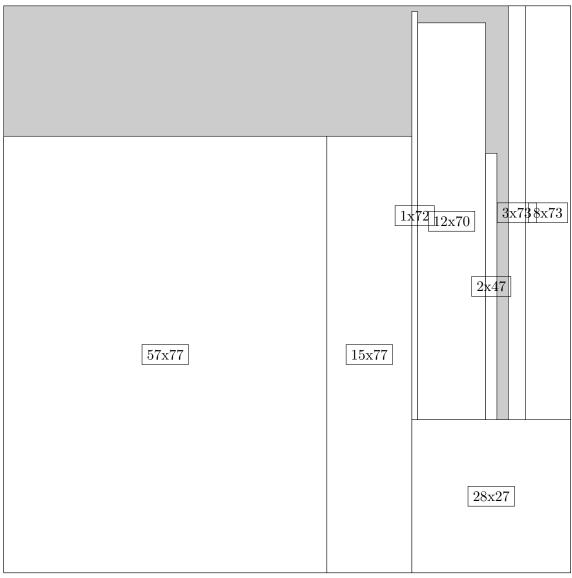
$$\le =73$$
 , h =14 , x =0 , y =85 , v =1022



$$w = 83$$
, $h = 56$, $x = 0$, $y = 0$, $v = 4648$

$$\le =17$$
 , h =93 , x =83 , y =0 , v =1581

$$\le =83$$
 , h =15 , x =0 , y =
56 , v =1245



$$w = 57$$
, $h = 77$, $x = 0$, $y = 0$, $v = 4389$

$$w=\!15$$
 , $h=\!77$, $x=\!57$, $y=\!0$, $v=\!1155$

$$w$$
 =12 , h =70 , x =73 , y =27 , v =840

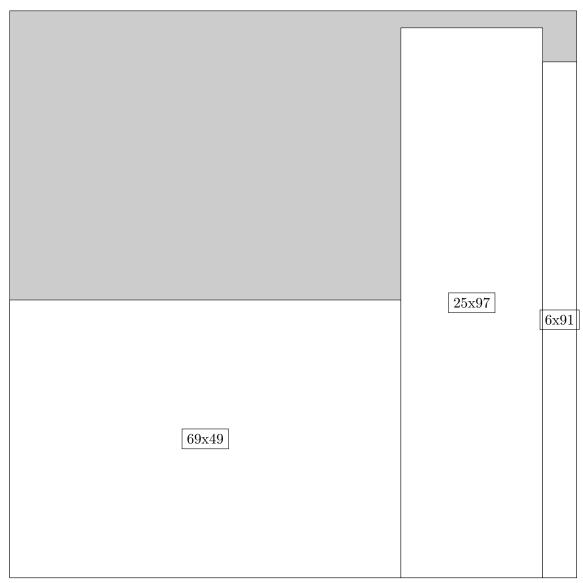
$$w = 28$$
, $h = 27$, $x = 72$, $y = 0$, $v = 756$

$$w=\!8$$
 , $h=\!73$, $x=\!92$, $y=\!27$, $v=\!584$

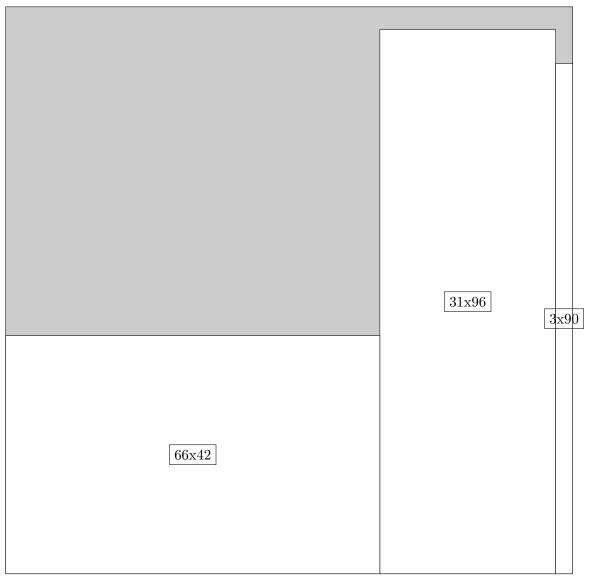
$$w=\!3$$
 , $h=\!73$, $x=\!89$, $y=\!27$, $v=\!219$

$$w$$
 =2 , h =47 , x =85 , y =27 , v =94

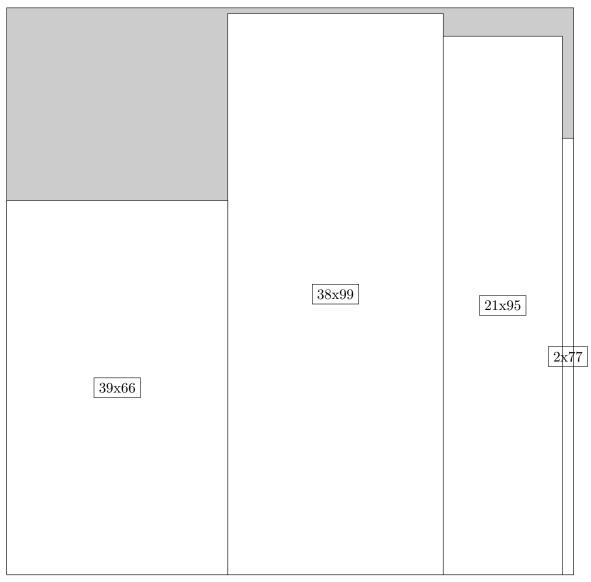
$$\mathbf{w}$$
 =1 , h =72 , x =72 , y =27 , v =72



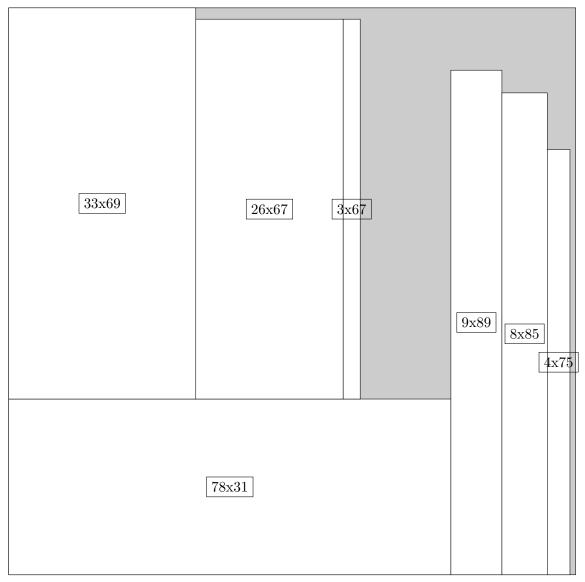
 $\begin{array}{l} w = \!69 \ , \ h = \!49 \ , \ x = \!0 \ , \ y = \!0 \ , \ v = \!3381 \\ w = \!25 \ , \ h = \!97 \ , \ x = \!69 \ , \ y = \!0 \ , \ v = \!2425 \\ w = \!6 \ , \ h = \!91 \ , \ x = \!94 \ , \ y = \!0 \ , \ v = \!546 \end{array}$



 $\begin{array}{l} w = & 31 \ , \ h = & 96 \ , \ x = & 66 \ , \ y = & 0 \ , \ v = & 2976 \\ w = & 66 \ , \ h = & 42 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 2772 \\ w = & 3 \ , \ h = & 90 \ , \ x = & 97 \ , \ y = & 0 \ , \ v = & 270 \end{array}$



 $\begin{array}{l} w = & 38 \ , \ h = & 99 \ , \ x = & 39 \ , \ y = & 0 \ , \ v = & 3762 \\ w = & 39 \ , \ h = & 66 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 2574 \\ w = & 21 \ , \ h = & 95 \ , \ x = & 77 \ , \ y = & 0 \ , \ v = & 1995 \\ w = & 2 \ , \ h = & 77 \ , \ x = & 98 \ , \ y = & 0 \ , \ v = & 154 \end{array}$



$$\le -78$$
 , h =31 , x =0 , y =0 , v =2418

$$w = 33$$
, $h = 69$, $x = 0$, $y = 31$, $v = 2277$

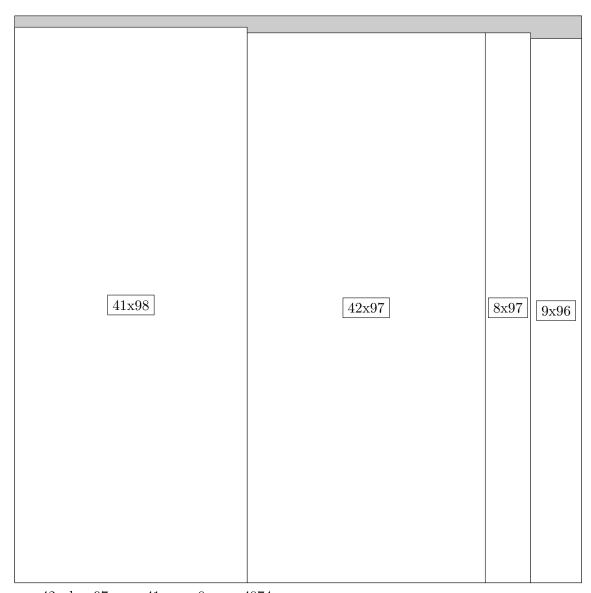
$$\le =26$$
 , h =67 , x =33 , y =31 , v =1742

$$\le =9$$
 , h =89 , x =78 , y =0 , v =801

$$\le =8$$
 , h =85 , x =87 , y =0 , v =680

$$w = 4$$
, $h = 75$, $x = 95$, $y = 0$, $v = 300$

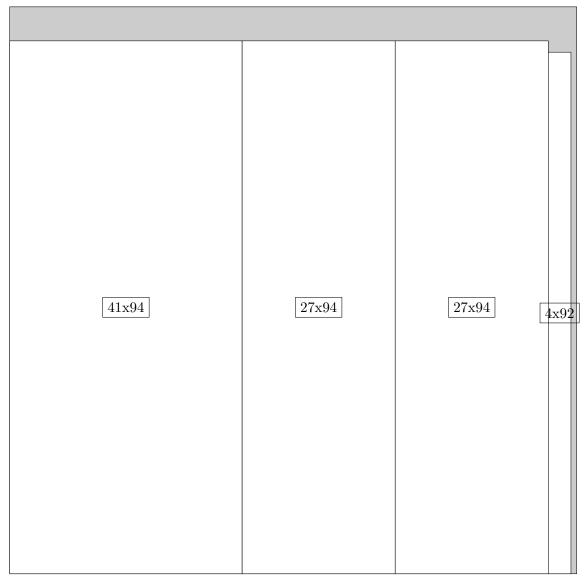
$$w=\!3$$
 , $h=\!67$, $x=\!59$, $y=\!31$, $v=\!201$



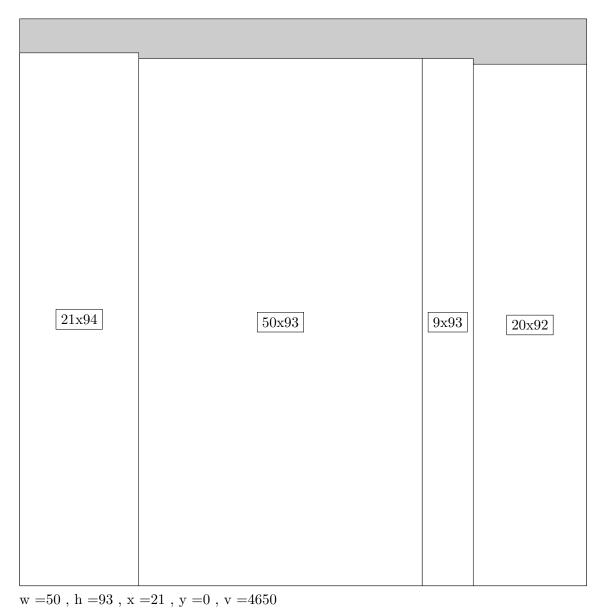
 $\begin{array}{l} w = \!\! 42 \ , \ h = \!\! 97 \ , \ x = \!\! 41 \ , \ y = \!\! 0 \ , \ v = \!\! 4074 \\ w = \!\! 41 \ , \ h = \!\! 98 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4018 \end{array}$

w =9 , h =96 , x =91 , y =0 , v =864

 $w=\!8$, $h=\!97$, $x=\!83$, $y=\!0$, $v=\!776$

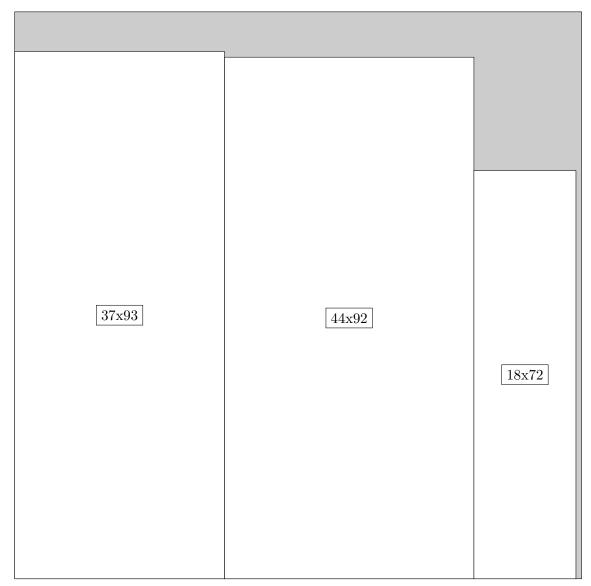


 $\begin{array}{l} w = \!\! 41 \ , \ h = \!\! 94 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3854 \\ w = \!\! 27 \ , \ h = \!\! 94 \ , \ x = \!\! 41 \ , \ y = \!\! 0 \ , \ v = \!\! 2538 \\ w = \!\! 27 \ , \ h = \!\! 94 \ , \ x = \!\! 68 \ , \ y = \!\! 0 \ , \ v = \!\! 2538 \\ w = \!\! 4 \ , \ h = \!\! 92 \ , \ x = \!\! 95 \ , \ y = \!\! 0 \ , \ v = \!\! 368 \end{array}$



 $\le =21$, h =94 , x =0 , y =0 , v =1974 $\le =20$, h =92 , x =80 , y =0 , v =1840

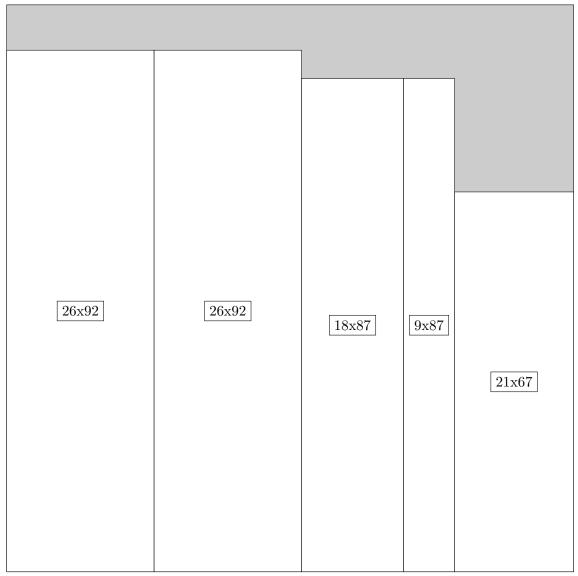
 $\mathbf{w} = \! 9$, $\mathbf{h} = \! 93$, $\mathbf{x} = \! 71$, $\mathbf{y} = \! 0$, $\mathbf{v} = \! 837$



w = 44, h = 92, x = 37, y = 0, v = 4048

 $\le =37$, h =93 , x =0 , y =0 , v =3441

 $\le =18$, h =72 , x =81 , y =0 , v =1296



 $\begin{array}{l} w=26 \ , \ h=92 \ , \ x=0 \ , \ y=0 \ , \ v=2392 \\ w=26 \ , \ h=92 \ , \ x=26 \ , \ y=0 \ , \ v=2392 \\ w=18 \ , \ h=87 \ , \ x=52 \ , \ y=0 \ , \ v=1566 \\ w=21 \ , \ h=67 \ , \ x=79 \ , \ y=0 \ , \ v=1407 \\ w=9 \ , \ h=87 \ , \ x=70 \ , \ y=0 \ , \ v=783 \end{array}$

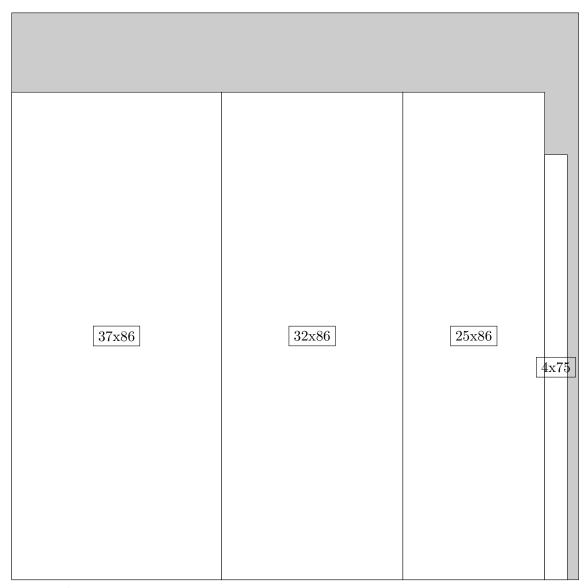
$\boxed{46\mathrm{x}90}$	27x90	27x84

 $\le =27$, h =84 , x =73 , y =0 , v =2268

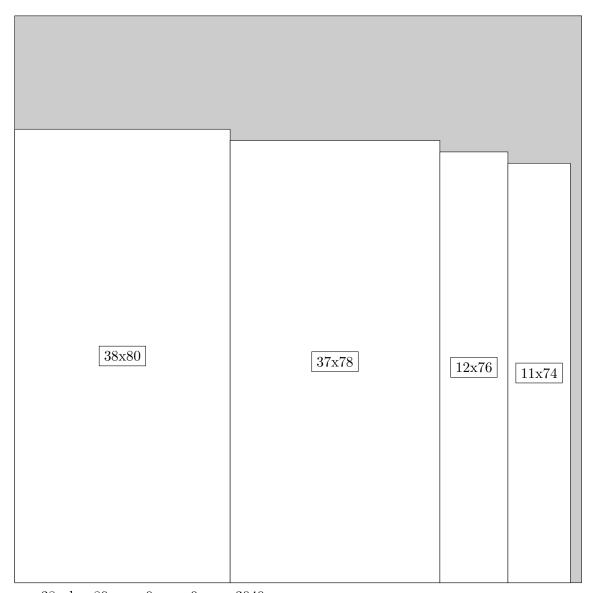
46x86	39x86	15x81

 $\begin{array}{l} w = \!\! 46 \ , \ h = \!\! 86 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3956 \\ w = \!\! 39 \ , \ h = \!\! 86 \ , \ x = \!\! 46 \ , \ y = \!\! 0 \ , \ v = \!\! 3354 \end{array}$

 $\le =15$, $h=\!81$, $x=\!85$, $y=\!0$, $v=\!1215$



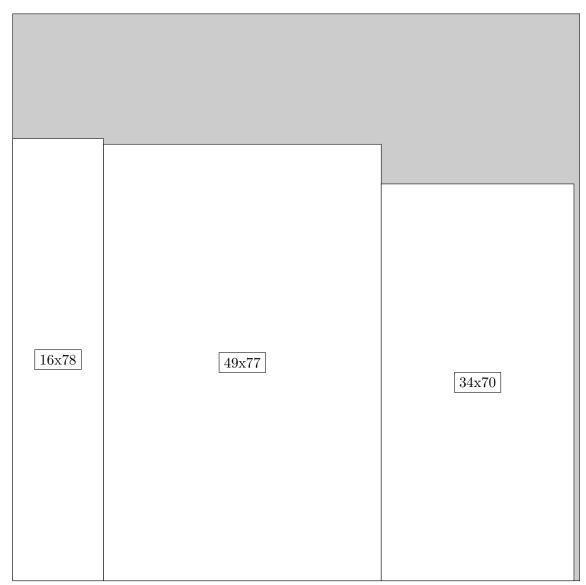
 $\begin{array}{l} w = & 37 \ , \ h = & 86 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 3182 \\ w = & 32 \ , \ h = & 86 \ , \ x = & 37 \ , \ y = & 0 \ , \ v = & 2752 \\ w = & 25 \ , \ h = & 86 \ , \ x = & 69 \ , \ y = & 0 \ , \ v = & 2150 \\ w = & 4 \ , \ h = & 75 \ , \ x = & 94 \ , \ y = & 0 \ , \ v = & 300 \end{array}$



$$\begin{array}{l} w = \! 38 \ , \ h = \! 80 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3040 \\ w = \! 37 \ , \ h = \! 78 \ , \ x = \! 38 \ , \ y = \! 0 \ , \ v = \! 2886 \end{array}$$

$$\mathbf{w}$$
 =12 , h =76 , x =75 , y =0 , v =912

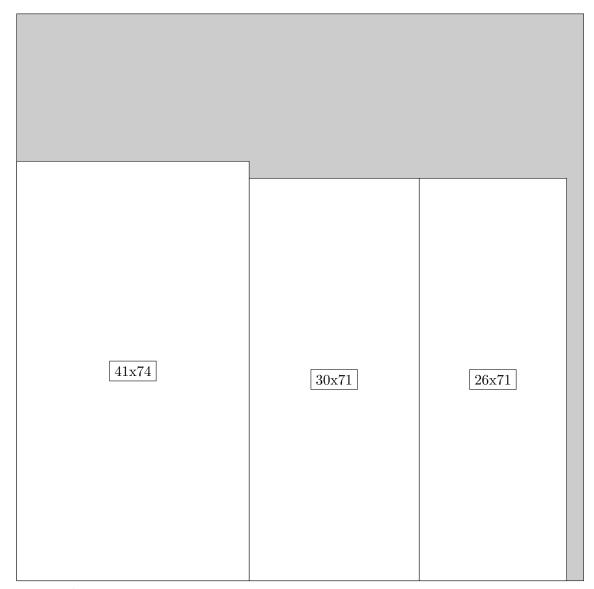
$$\mathbf{w}$$
 =11 , h =74 , x =87 , y =0 , v =814



 $\le =49$, h=77 , x=16 , y=0 , v=3773

 $\le =34$, h =70 , x =65 , y =0 , v =2380

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



$$\begin{array}{l} w = & 30 \ , \ h = & 71 \ , \ x = & 41 \ , \ y = & 0 \ , \ v = & 2130 \\ w = & 26 \ , \ h = & 71 \ , \ x = & 71 \ , \ y = & 0 \ , \ v = & 1846 \end{array}$$

$$\le =41$$
 , h =74 , x =0 , y =0 , v =3034