$ClassName: \ Class_07.2bp-30$

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

TypeNum: <u>77</u> Num: <u>80</u> OutS: <u>210000</u> InS: <u>179454</u> Rate: <u>0.855</u> UB: <u>21</u> LB0: <u>20</u>

LBWithCut: $\underline{\mathbf{21}}$ NodeCut: $\underline{\mathbf{0}}$

LB: **21**

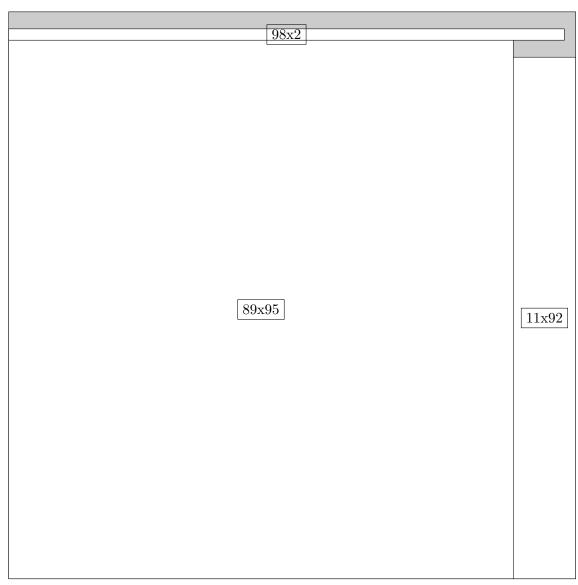
 $\operatorname{ExtendedNodeCnt}$: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{228}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{208}}$ PricingSolverCnt: $\underline{\mathbf{208}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

TimeOnInitSolution: $\underline{120.020 \text{ s}}$

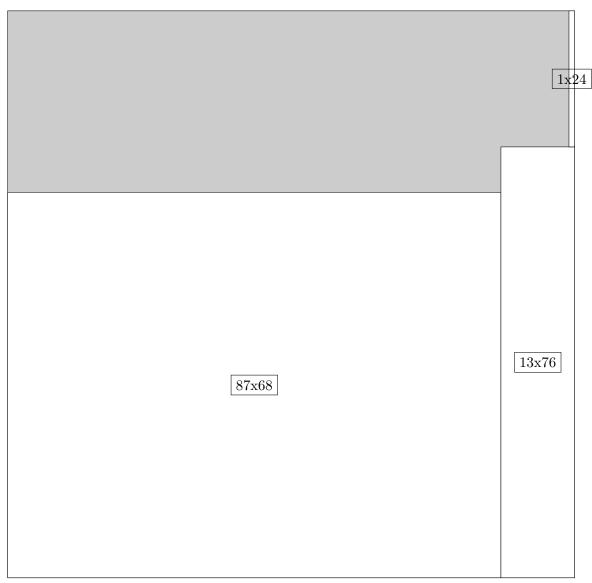
TimeOnPrimal: 0.000 sTimeOnPricing: 29.000 sTimeOnRmp: 0.126 sTotalTime: 149.347 s



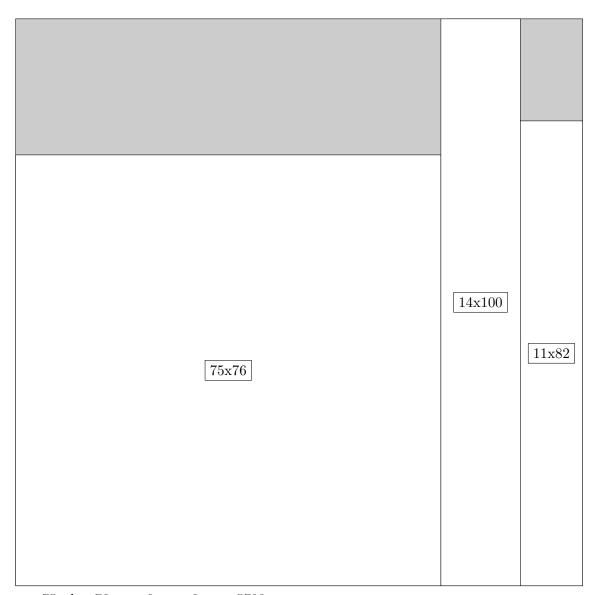
$$w = 89$$
, $h = 95$, $x = 0$, $y = 0$, $v = 8455$

$$\le =98$$
 , h =2 , x =0 , y =95 , v =196

$$\le =11$$
 , $h=92$, $x=89$, $y=0$, $v=1012$

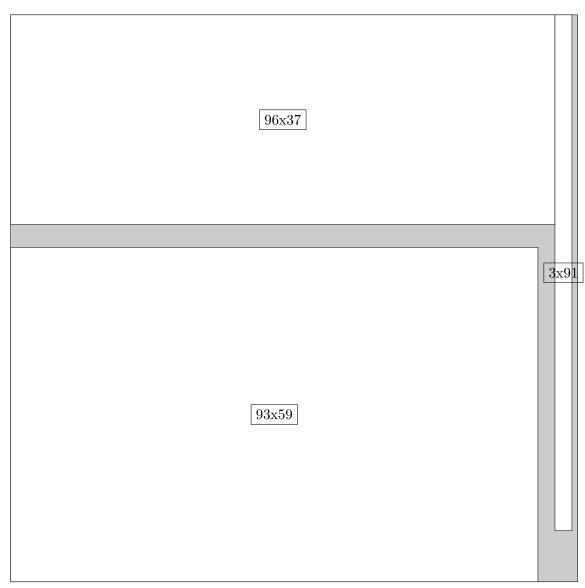


 $\begin{array}{l} w = \! 87 \; , \; h = \! 68 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 5916 \\ w = \! 13 \; , \; h = \! 76 \; , \; x = \! 87 \; , \; y = \! 0 \; , \; v = \! 988 \\ w = \! 1 \; , \; h = \! 24 \; , \; x = \! 99 \; , \; y = \! 76 \; , \; v = \! 24 \end{array}$

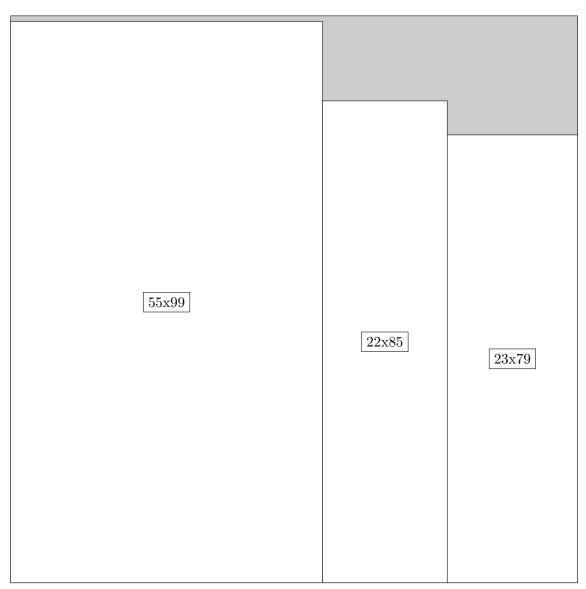


 $\begin{array}{c} w = 75 \ , \ h = 76 \ , \ x = 0 \ , \ y = 0 \ , \ v = 5700 \\ w = 11 \ , \ h = 82 \ , \ x = 89 \ , \ y = 0 \ , \ v = 902 \\ \end{array}$

 $\le =14$, h =100 , x =75 , y =0 , v =1400



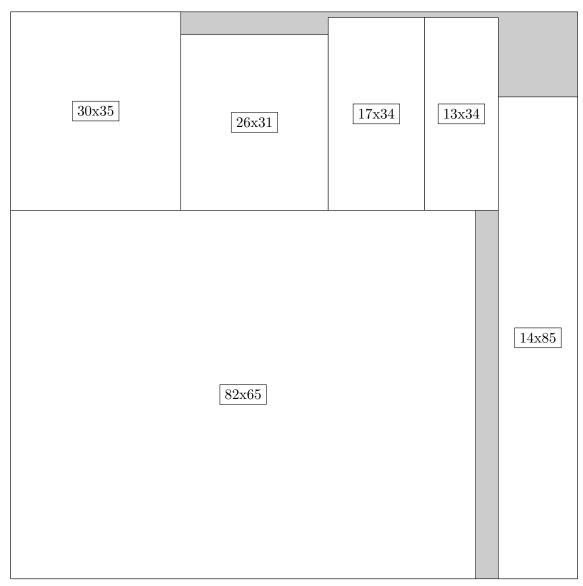
$$\begin{array}{l} w = \! 93 \ , \ h = \! 59 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5487 \\ w = \! 96 \ , \ h = \! 37 \ , \ x = \! 0 \ , \ y = \! 63 \ , \ v = \! 3552 \\ w = \! 3 \ , \ h = \! 91 \ , \ x = \! 96 \ , \ y = \! 9 \ , \ v = \! 273 \end{array}$$



$$w = 55$$
, $h = 99$, $x = 0$, $y = 0$, $v = 5445$

$$\le =22$$
 , h =85 , x =55 , y =0 , v =1870

$$\le =23$$
 , h =79 , x =77 , y =0 , v =1817



$$w = 82$$
, $h = 65$, $x = 0$, $y = 0$, $v = 5330$

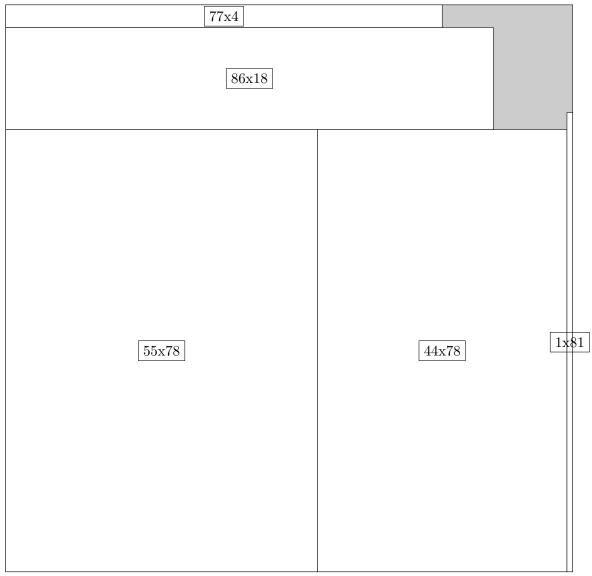
$$\le =14$$
 , h =85 , x =86 , y =0 , v =1190

$$\le =30$$
 , h =35 , x =0 , y =65 , v =1050

$$\le =26$$
 , h =31 , x =30 , y =65 , v =806

$$w$$
 =17 , h =34 , x =
56 , y =65 , v =
578

$$w=\!13$$
 , $h=\!34$, $x=\!73$, $y=\!65$, $v=\!442$



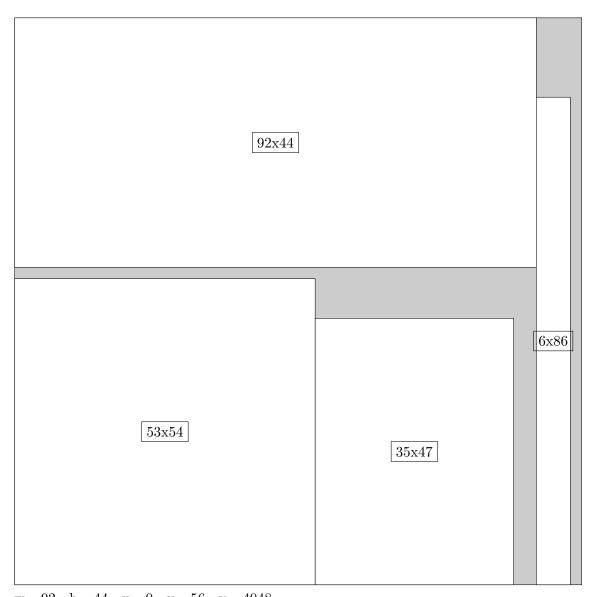
$$\le =55$$
 , $h=78$, $x=0$, $y=0$, $v=4290$

$$\le =44$$
 , $h=78$, $x=55$, $y=0$, $v=3432$

$$\le =86$$
 , h =18 , x =0 , y =78 , v =1548

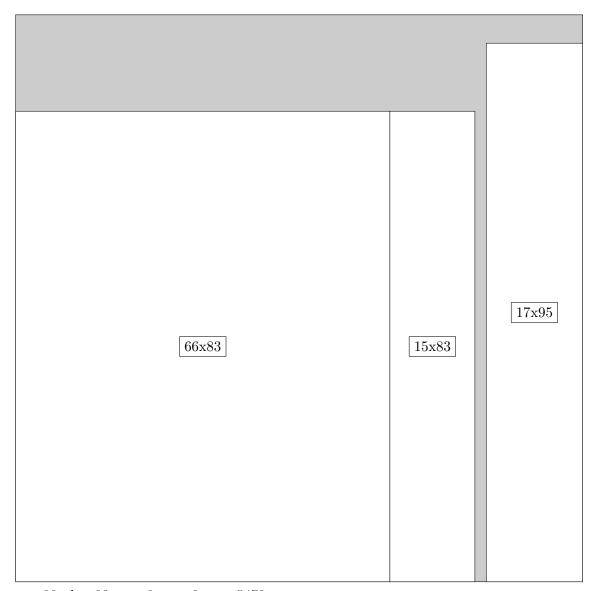
$$w = 77$$
, $h = 4$, $x = 0$, $y = 96$, $v = 308$

$$\mathbf{w}$$
 =1 , h =81 , x =99 , y =0 , v =81



 $\le =92$, h =44 , x =0 , y = 56 , v =4048 $\le =53$, h=54 , x=0 , y=0 , v=2862 $\le =35$, h =47 , x =53 , y =0 , v =1645

 \mathbf{w} =6 , h =86 , x =92 , y =0 , v =516



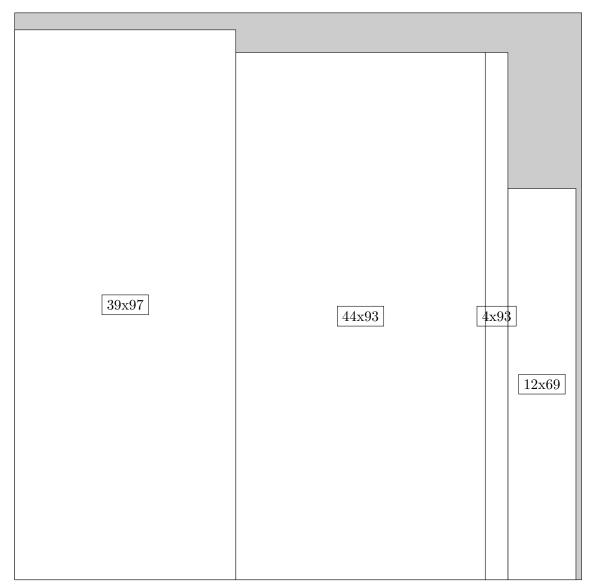
 $\begin{array}{l} w = \! 66 \ , \ h = \! 83 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5478 \\ w = \! 17 \ , \ h = \! 95 \ , \ x = \! 83 \ , \ y = \! 0 \ , \ v = \! 1615 \end{array}$

w = 15, h = 83, x = 66, y = 0, v = 1245

$\boxed{49\mathrm{x}84}$	31x84	20x77

 $\begin{array}{l} w = \! 49 \ , \ h = \! 84 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4116 \\ w = \! 31 \ , \ h = \! 84 \ , \ x = \! 49 \ , \ y = \! 0 \ , \ v = \! 2604 \end{array}$

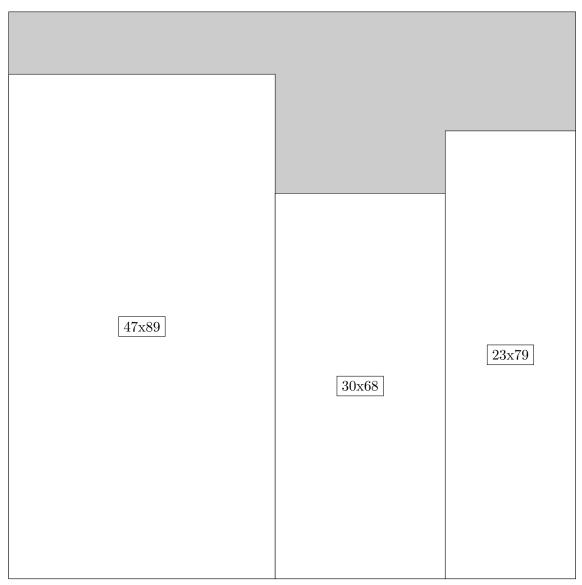
 $\le =20$, h =77 , x =80 , y =0 , v =1540



 $\begin{array}{c} w = \!\! 44 \ , \ h = \!\! 93 \ , \ x = \!\! 39 \ , \ y = \!\! 0 \ , \ v = \!\! 4092 \\ w = \!\! 39 \ , \ h = \!\! 97 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3783 \end{array}$

w = 12, h = 69, x = 87, y = 0, v = 828

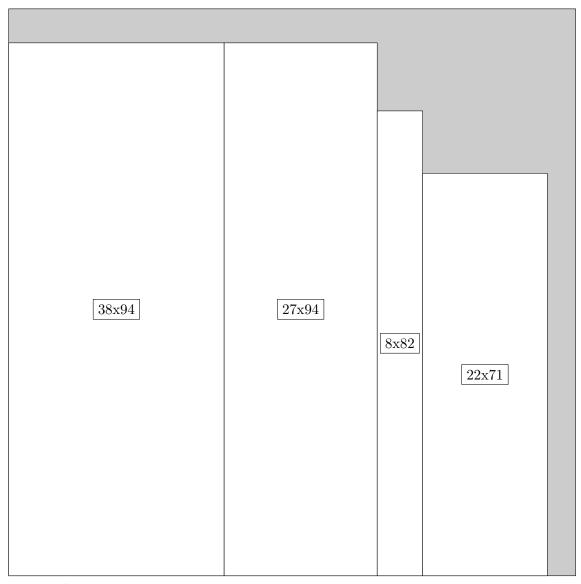
w =4, h =93, x =83, y =0, v =372



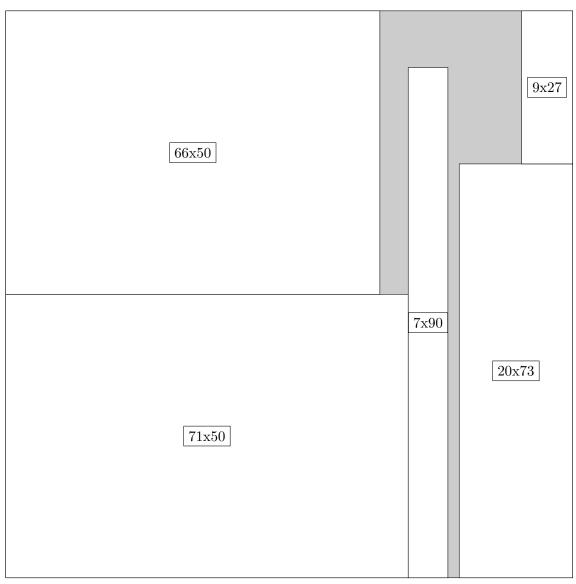
$$w = 47$$
, $h = 89$, $x = 0$, $y = 0$, $v = 4183$

$$\le =30$$
 , h =68 , x =47 , y =0 , v =2040

$$\le =23$$
 , h =79 , x =77 , y =0 , v =1817



 $\begin{array}{l} w = & 38 \ , \ h = & 94 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 3572 \\ w = & 27 \ , \ h = & 94 \ , \ x = & 38 \ , \ y = & 0 \ , \ v = & 2538 \\ w = & 22 \ , \ h = & 71 \ , \ x = & 73 \ , \ y = & 0 \ , \ v = & 1562 \\ w = & 8 \ , \ h = & 82 \ , \ x = & 65 \ , \ y = & 0 \ , \ v = & 656 \end{array}$



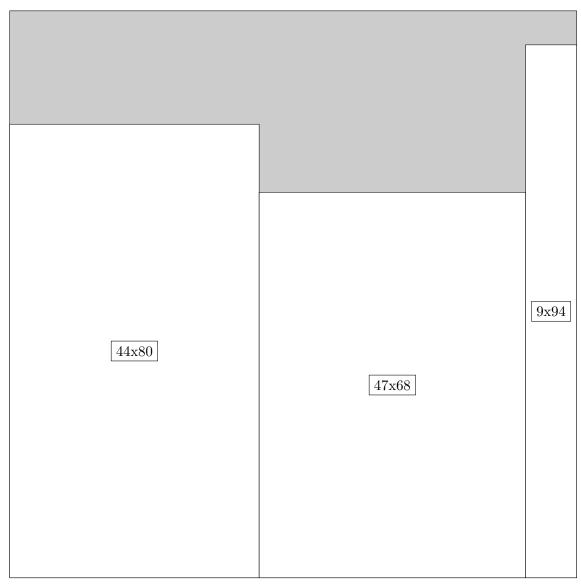
w =71 , h =50 , x =0 , y =0 , v =3550

 $\le =66$, $h=\!50$, $x=\!0$, $y=\!50$, $v=\!3300$

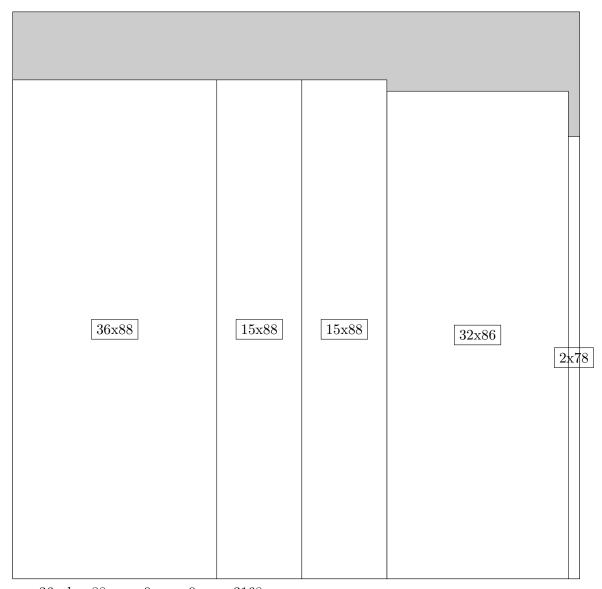
 $\le =20$, h =73 , x =80 , y =0 , v =1460

 \mathbf{w} =7 , h =90 , x =71 , y =0 , v =630

w = 9, h = 27, x = 91, y = 73, v = 243

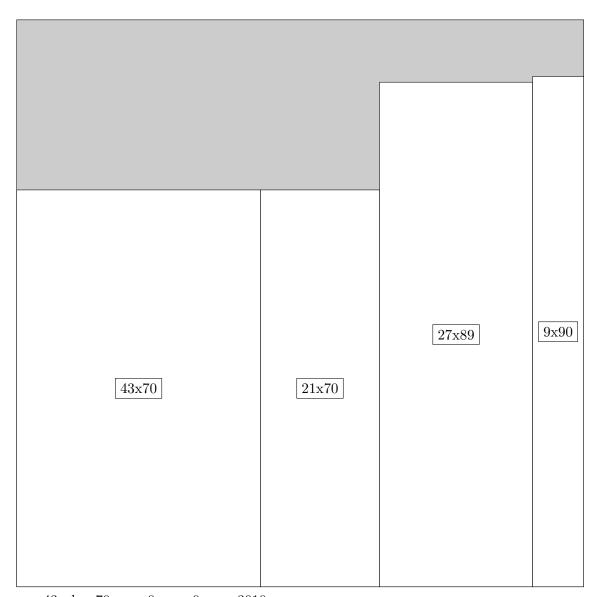


 $\begin{array}{l} w = \! 44 \; , \; h = \! 80 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3520 \\ w = \! 47 \; , \; h = \! 68 \; , \; x = \! 44 \; , \; y = \! 0 \; , \; v = \! 3196 \\ w = \! 9 \; , \; h = \! 94 \; , \; x = \! 91 \; , \; y = \! 0 \; , \; v = \! 846 \end{array}$

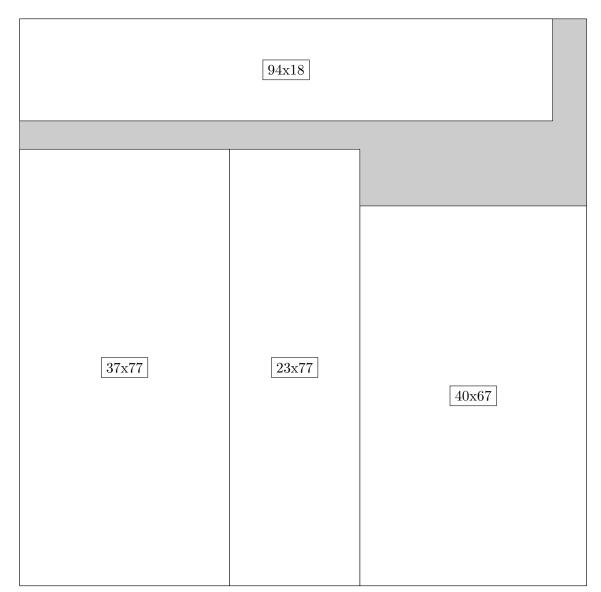


 $\begin{array}{l} w = & 36 \ , \ h = & 88 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 3168 \\ w = & 32 \ , \ h = & 86 \ , \ x = & 66 \ , \ y = & 0 \ , \ v = & 2752 \\ w = & 15 \ , \ h = & 88 \ , \ x = & 36 \ , \ y = & 0 \ , \ v = & 1320 \\ w = & 15 \ , \ h = & 88 \ , \ x = & 51 \ , \ y = & 0 \ , \ v = & 1320 \end{array}$

 \mathbf{w} =2 , h =78 , x =98 , y =0 , v =156



 $\begin{array}{l} w = \! 43 \ , \ h = \! 70 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3010 \\ w = \! 27 \ , \ h = \! 89 \ , \ x = \! 64 \ , \ y = \! 0 \ , \ v = \! 2403 \\ w = \! 21 \ , \ h = \! 70 \ , \ x = \! 43 \ , \ y = \! 0 \ , \ v = \! 1470 \\ w = \! 9 \ , \ h = \! 90 \ , \ x = \! 91 \ , \ y = \! 0 \ , \ v = \! 810 \end{array}$

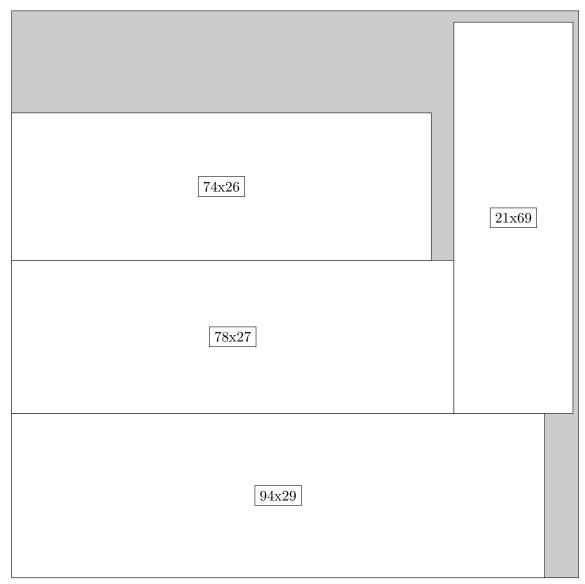


$$\le =37$$
 , h =77 , x =0 , y =0 , v =2849

$$\le =40$$
 , $h=\!67$, $x=\!60$, $y=\!0$, $v=\!2680$

$$\le =23$$
 , h =77 , x =37 , y =0 , v =1771

$$\le =94$$
 , h =18 , x =0 , y =82 , v =1692

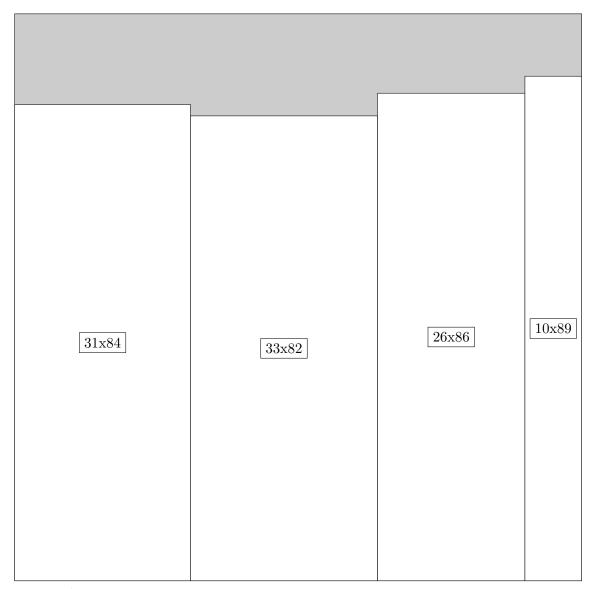


$$\le =94$$
 , h =29 , x =0 , y =0 , v =2726

$$\le -78$$
 , h =27 , x =0 , y =29 , v =2106

$$\le =74$$
 , h =26 , x =0 , y =
56 , v =1924

$$\le =21$$
 , $h=69$, $x=78$, $y=29$, $v=1449$

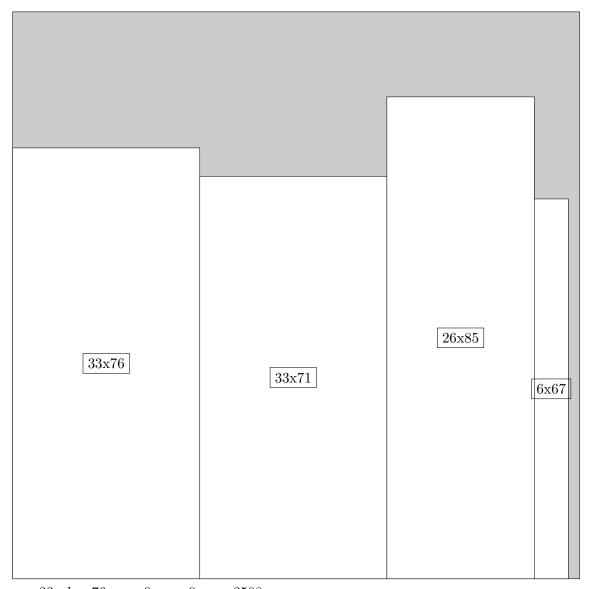


 $\le =31$, h =84 , x =0 , y =0 , v =2604

 $\le =33$, h =82 , x =31 , y =0 , v =2706

 $\le =26$, h =86 , x =64 , y =0 , v =2236

 \mathbf{w} =10 , h =89 , x =90 , y =0 , v =890



 $\begin{array}{l} w = \! 33 \ , \ h = \! 76 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2508 \\ w = \! 33 \ , \ h = \! 71 \ , \ x = \! 33 \ , \ y = \! 0 \ , \ v = \! 2343 \end{array}$

w = 26, h = 85, x = 66, y = 0, v = 2210

 \mathbf{w} =6 , h =67 , x =92 , y =0 , v =402