$ClassName: \ Class_07.2bp-32$

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

TypeNum: <u>80</u>
Num: <u>80</u>
OutS: <u>210000</u>
InS: <u>177250</u>
Rate: <u>0.844</u>
UB: <u>21</u>
LB0: <u>20</u>

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

LB: **21**

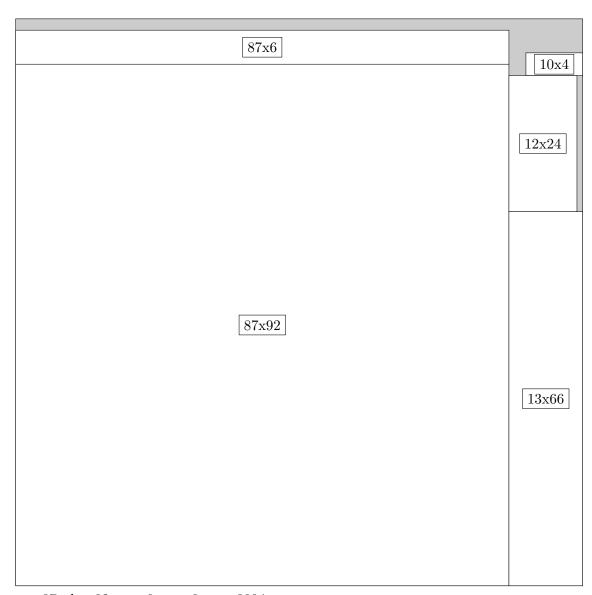
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{1}$ PrimalNode: $\underline{0}$ ColumnCount: $\underline{174}$ TotalCutCount: $\underline{0}$ RootCutCount: $\underline{0}$ LPSolverCnt: $\underline{154}$ PricingSolverCnt: $\underline{154}$ BranchAndBoundNum: $\underline{1}$

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

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

TimeOnPrimal: 0.000 sTimeOnPricing: 30.775 sTimeOnRmp: 0.142 sTotalTime: 151.078 s



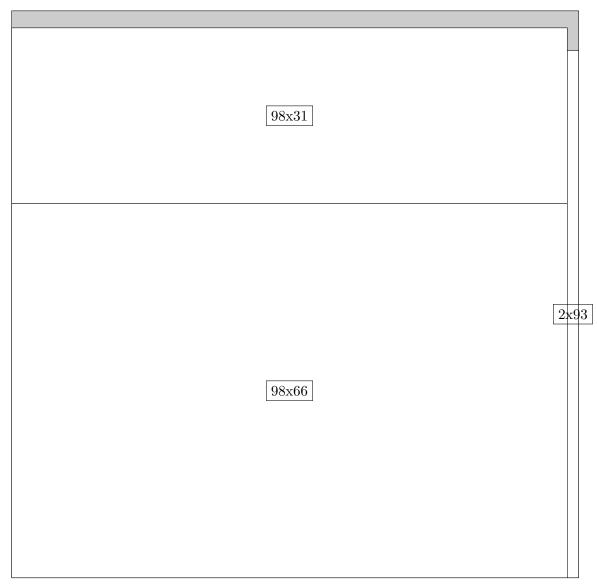
$$\le =87$$
 , h =92 , x =0 , y =0 , v =
8004

$$\le =13$$
 , h =66 , x =87 , y =0 , v =858

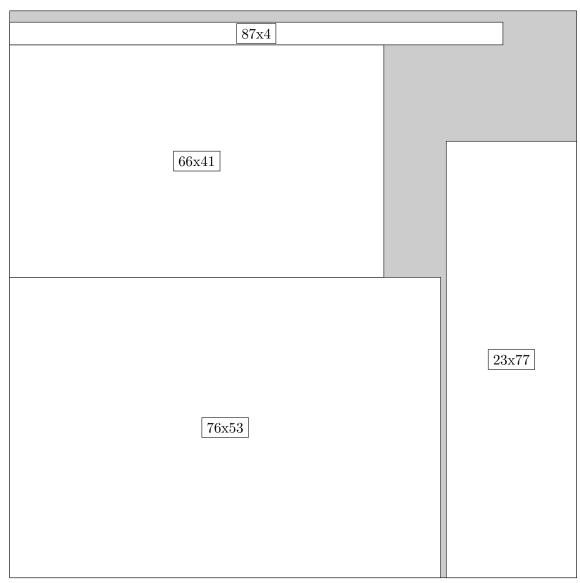
$$\le =87$$
 , h =6 , x =0 , y =92 , v =522

$$w=\!12$$
 , $h=\!24$, $x=\!87$, $y=\!66$, $v=\!288$

$$w = 10$$
, $h = 4$, $x = 90$, $y = 90$, $v = 40$



$$\begin{array}{l} w = \! 98 \ , \ h = \! 66 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6468 \\ w = \! 98 \ , \ h = \! 31 \ , \ x = \! 0 \ , \ y = \! 66 \ , \ v = \! 3038 \\ w = \! 2 \ , \ h = \! 93 \ , \ x = \! 98 \ , \ y = \! 0 \ , \ v = \! 186 \end{array}$$

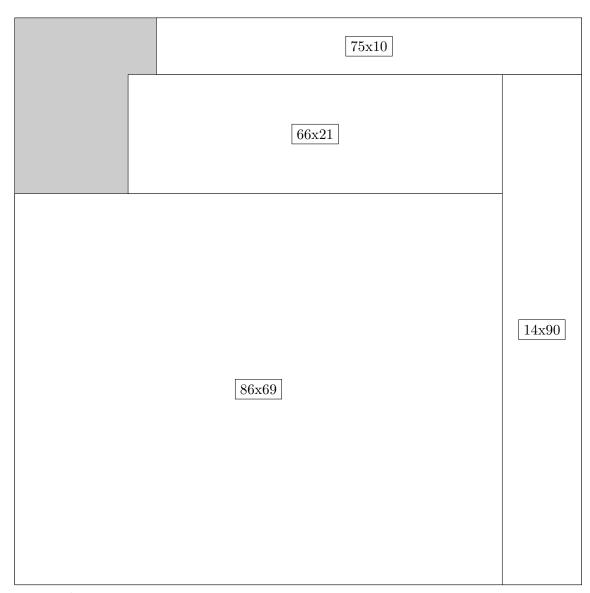


$$\mathbf{w}$$
 =76 , h =53 , x =0 , y =0 , v =4028

$$\le =66$$
 , $h=41$, $x=0$, $y=\!53$, $v=\!2706$

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

$$w$$
 =87 , h =4 , x =0 , y =94 , v =348

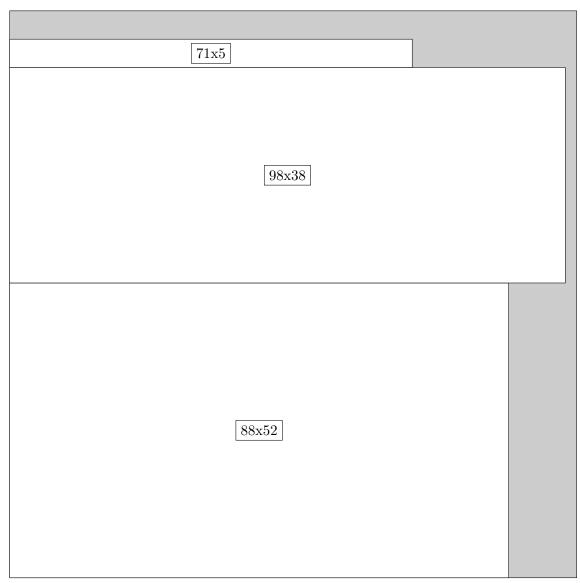


$$\le =86$$
 , $h=69$, $x=0$, $y=0$, $v=5934$

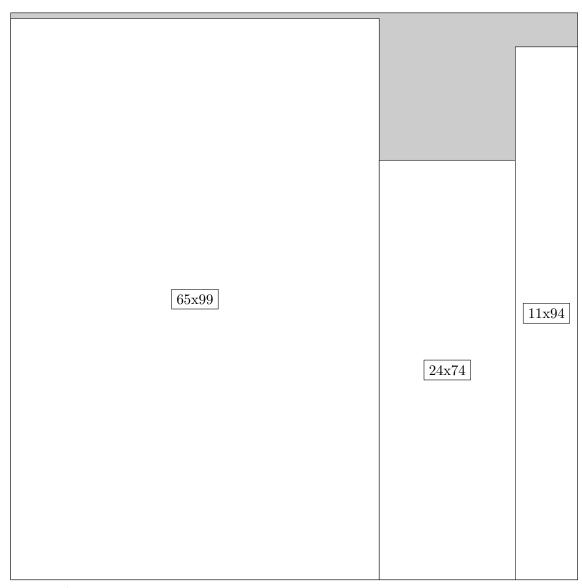
$$\le =66$$
 , h =21 , x =20 , y =69 , v =1386

$$\le =14$$
 , h =90 , x =86 , y =0 , v =1260

$$\le =75$$
 , h =10 , x =25 , y =90 , v =750

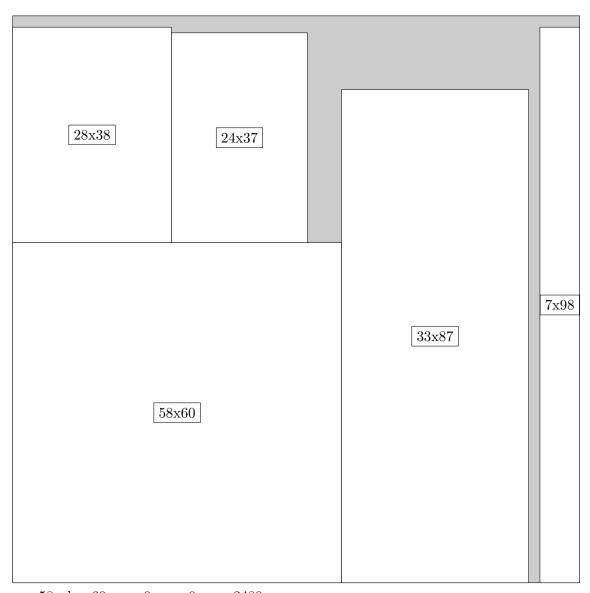


$$\begin{array}{l} w = \! 88 \ , \ h = \! 52 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4576 \\ w = \! 98 \ , \ h = \! 38 \ , \ x = \! 0 \ , \ y = \! 52 \ , \ v = \! 3724 \\ w = \! 71 \ , \ h = \! 5 \ , \ x = \! 0 \ , \ y = \! 90 \ , \ v = \! 355 \end{array}$$

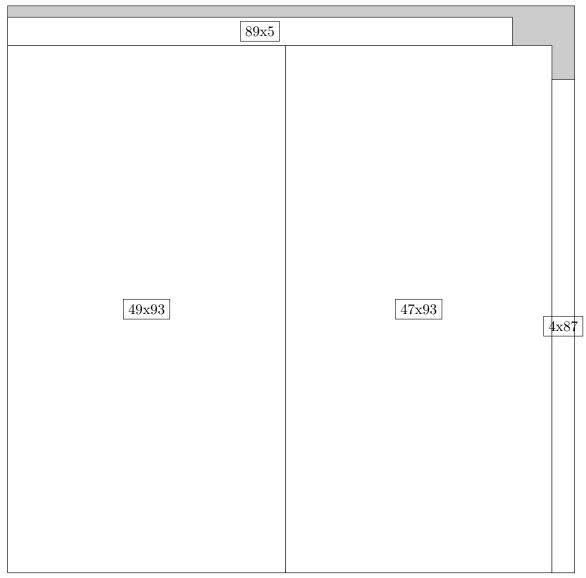


$$\begin{array}{l} w = \!65 \ , \ h = \!99 \ , \ x = \!0 \ , \ y = \!0 \ , \ v = \!6435 \\ w = \!24 \ , \ h = \!74 \ , \ x = \!65 \ , \ y = \!0 \ , \ v = \!1776 \end{array}$$

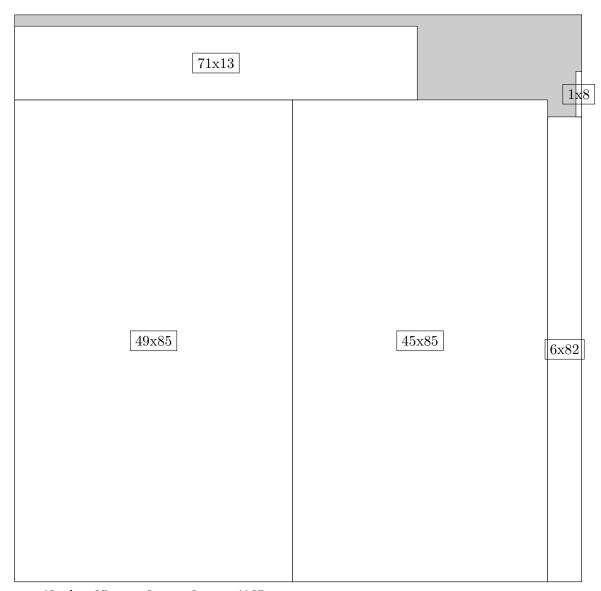
$$w = 11$$
 , $h = 94$, $x = 89$, $y = 0$, $v = 1034$



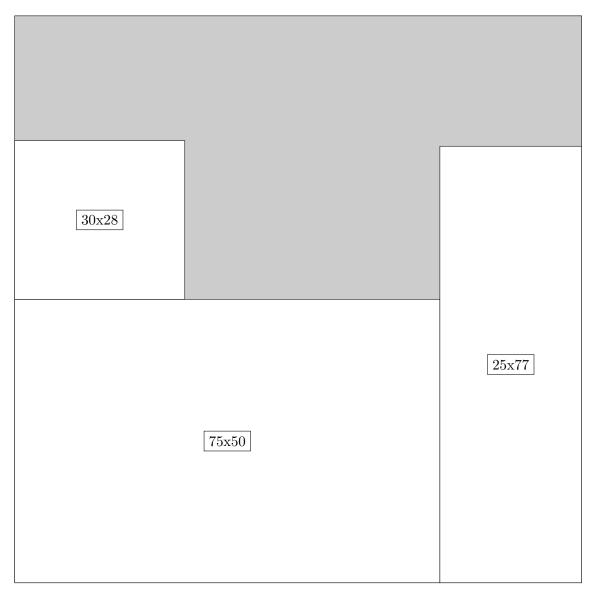
$$\begin{array}{l} w = \!58 \;,\; h = \!60 \;,\; x = \!0 \;,\; y = \!0 \;,\; v = \!3480 \\ w = \!33 \;,\; h = \!87 \;,\; x = \!58 \;,\; y = \!0 \;,\; v = \!2871 \\ w = \!28 \;,\; h = \!38 \;,\; x = \!0 \;,\; y = \!60 \;,\; v = \!1064 \\ w = \!24 \;,\; h = \!37 \;,\; x = \!28 \;,\; y = \!60 \;,\; v = \!888 \\ w = \!7 \;,\; h = \!98 \;,\; x = \!93 \;,\; y = \!0 \;,\; v = \!686 \end{array}$$



$$\begin{array}{l} w = \!\! 49 \ , \ h = \!\! 93 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4557 \\ w = \!\! 47 \ , \ h = \!\! 93 \ , \ x = \!\! 49 \ , \ y = \!\! 0 \ , \ v = \!\! 4371 \\ w = \!\! 89 \ , \ h = \!\! 5 \ , \ x = \!\! 0 \ , \ y = \!\! 93 \ , \ v = \!\! 445 \\ w = \!\! 4 \ , \ h = \!\! 87 \ , \ x = \!\! 96 \ , \ y = \!\! 0 \ , \ v = \!\! 348 \end{array}$$



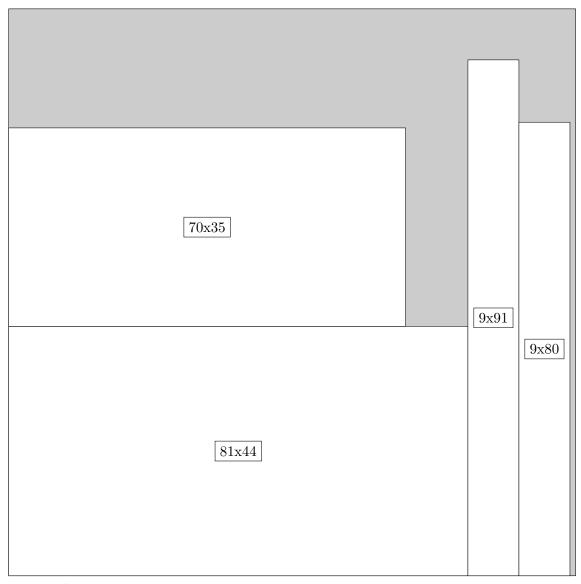
$$\begin{array}{l} w = \! 49 \;,\; h = \! 85 \;,\; x = \! 0 \;,\; y = \! 0 \;,\; v = \! 4165 \\ w = \! 45 \;,\; h = \! 85 \;,\; x = \! 49 \;,\; y = \! 0 \;,\; v = \! 3825 \\ w = \! 71 \;,\; h = \! 13 \;,\; x = \! 0 \;,\; y = \! 85 \;,\; v = \! 923 \\ w = \! 6 \;,\; h = \! 82 \;,\; x = \! 94 \;,\; y = \! 0 \;,\; v = \! 492 \\ w = \! 1 \;,\; h = \! 8 \;,\; x = \! 99 \;,\; y = \! 82 \;,\; v = \! 8 \end{array}$$



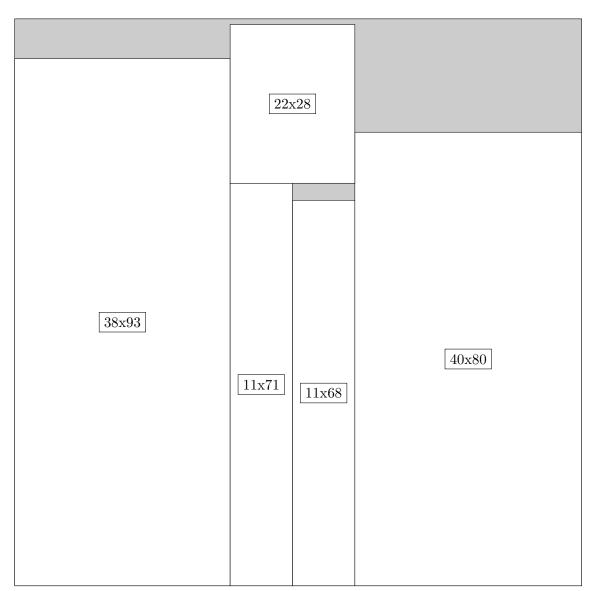
$$w = 75 \ , \ h = 50 \ , \ x = 0 \ , \ y = 0 \ , \ v = 3750$$

$$\le =25$$
 , h =77 , x =75 , y =0 , v =1925

$$\le =30$$
 , h =28 , x =0 , y =50 , v =840



 $\begin{array}{l} w = \! 81 \ , \ h = \! 44 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3564 \\ w = \! 70 \ , \ h = \! 35 \ , \ x = \! 0 \ , \ y = \! 44 \ , \ v = \! 2450 \\ w = \! 9 \ , \ h = \! 91 \ , \ x = \! 81 \ , \ y = \! 0 \ , \ v = \! 819 \\ w = \! 9 \ , \ h = \! 80 \ , \ x = \! 90 \ , \ y = \! 0 \ , \ v = \! 720 \end{array}$



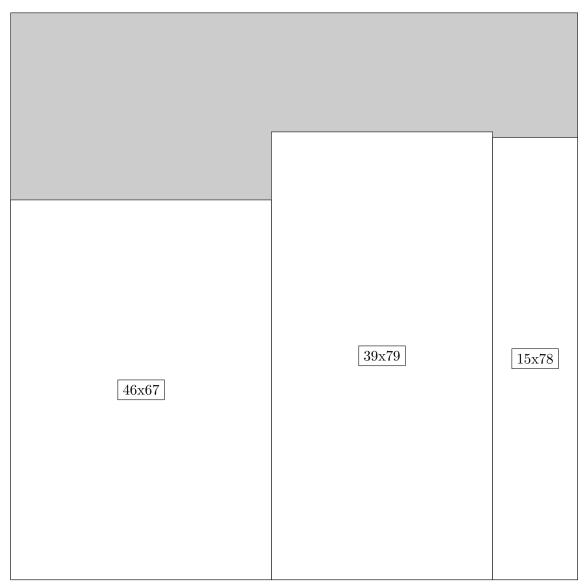
$$w = 38$$
, $h = 93$, $x = 0$, $y = 0$, $v = 3534$

$$\le =11$$
 , $h=68$, $x=49$, $y=0$, $v=748$

$$\mathbf{w}$$
 =11 , h =71 , x =38 , y =0 , v =781

$$\le =40$$
 , $h=\!80$, $x=\!60$, $y=\!0$, $v=\!3200$

$$\le =22$$
 , h =28 , x =38 , y =71 , v =616



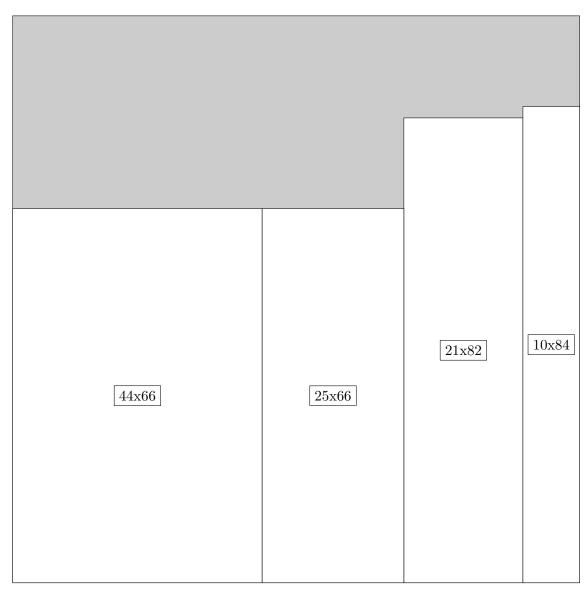
$$w = 15$$
, $h = 78$, $x = 85$, $y = 0$, $v = 1170$

37x82	33x82	30x86

$$w = 37$$
, $h = 82$, $x = 0$, $y = 0$, $v = 3034$

$$\le =33$$
 , h =82 , x =37 , y =0 , v =2706

$$\le =30$$
 , h =
86 , x =
70 , y =
0 , v =
2580

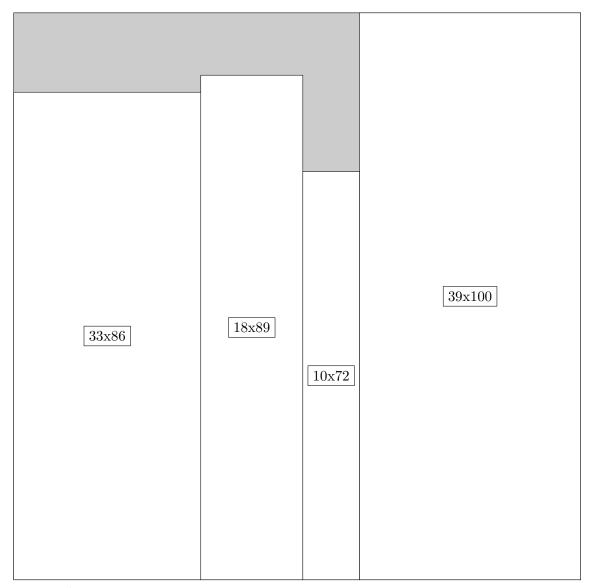


$$w = 44$$
, $h = 66$, $x = 0$, $y = 0$, $v = 2904$

$$\le =21$$
 , h =82 , x =69 , y =0 , v =1722

$$\le =25$$
 , h =66 , x =44 , y =0 , v =1650

$$\mathbf{w}$$
 =10 , h =84 , x =90 , y =0 , v =840

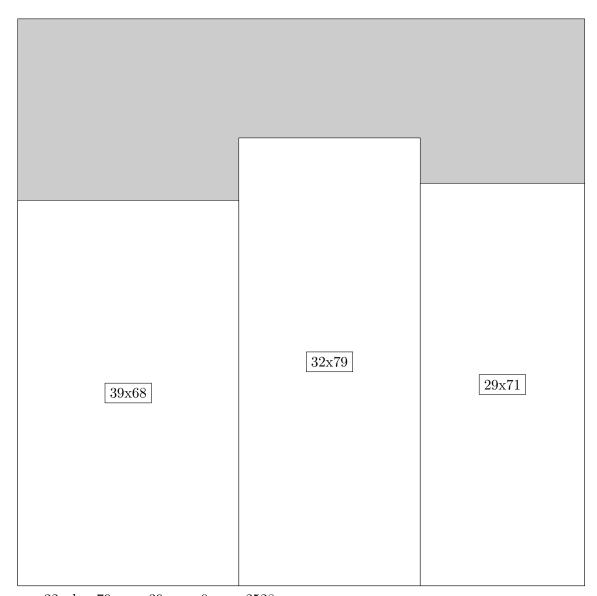


 $\le =39$, h=100 , x=61 , y=0 , v=3900

 $\le =33$, h =86 , x =0 , y =0 , v =2838

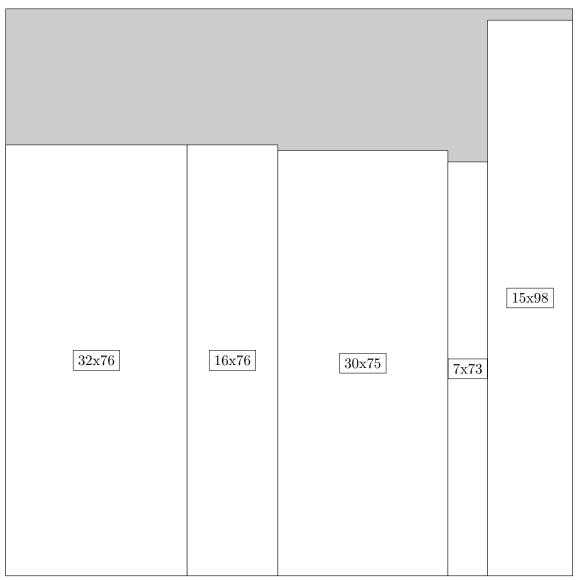
 $\le =18$, h =89 , x =33 , y =0 , v =1602

 \mathbf{w} =10 , h =72 , x =51 , y =0 , v =720

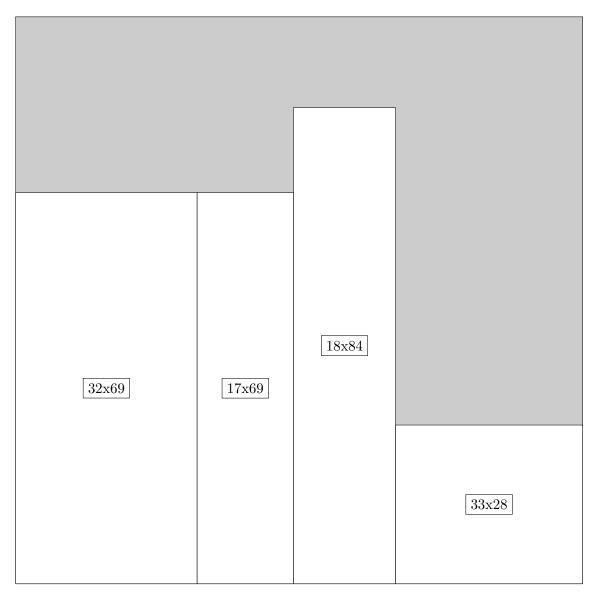


 $\begin{array}{l} w = & 32 \ , \ h = & 79 \ , \ x = & 39 \ , \ y = & 0 \ , \ v = & 2528 \\ w = & 39 \ , \ h = & 68 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 2652 \end{array}$

w = 29 , h = 71 , x = 71 , y = 0 , v = 2059



 $\begin{array}{l} w = & 32 \ , \ h = & 76 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 2432 \\ w = & 30 \ , \ h = & 75 \ , \ x = & 48 \ , \ y = & 0 \ , \ v = & 2250 \\ w = & 15 \ , \ h = & 98 \ , \ x = & 85 \ , \ y = & 0 \ , \ v = & 1470 \\ w = & 16 \ , \ h = & 76 \ , \ x = & 32 \ , \ y = & 0 \ , \ v = & 1216 \\ w = & 7 \ , \ h = & 73 \ , \ x = & 78 \ , \ y = & 0 \ , \ v = & 511 \end{array}$

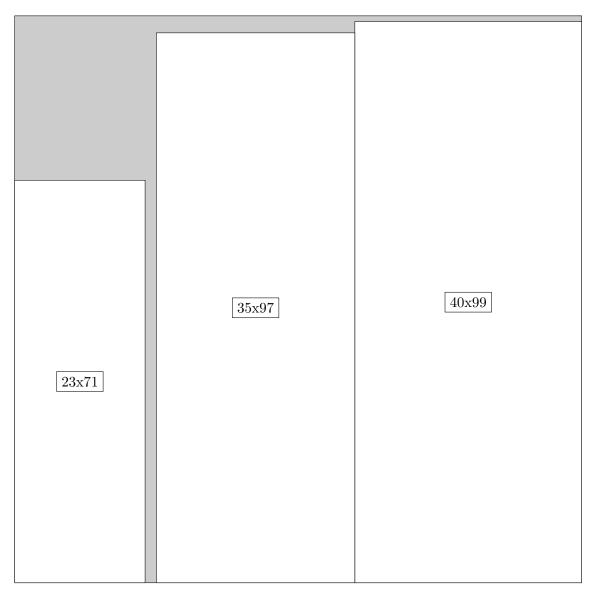


 ≤ 32 , ≤ 69 , ≥ 69 , \ge

w = 18, h = 84, x = 49, y = 0, v = 1512

 $\le =17$, h =69 , x =32 , y =0 , v =1173

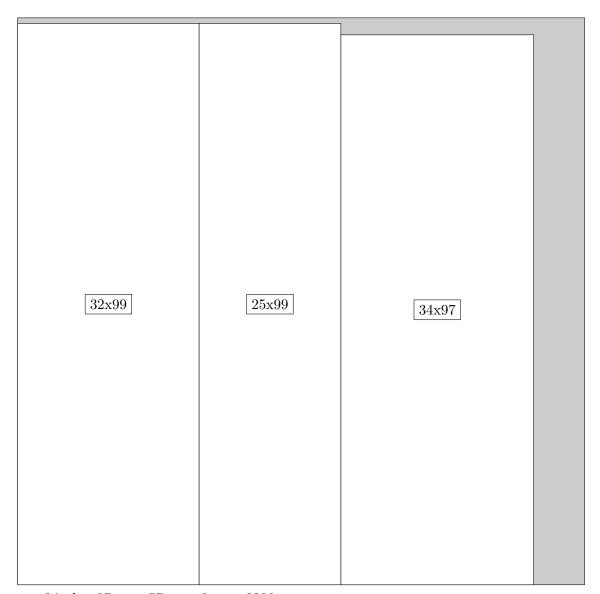
 $\le =33$, h =28 , x =67 , y =0 , v =924



w = 40, h = 99, x = 60, y = 0, v = 3960

 $\le =35$, h =97 , x =25 , y =0 , v =3395

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



 $\le =34$, h =97 , x =57 , y =0 , v =3298

 $\le =32$, h =99 , x =0 , y =0 , v =3168

 $\le =25$, h =99 , x =32 , y =0 , v =2475