${\bf ClassName:}~{\bf Class_05.2bp\text{-}30}$

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

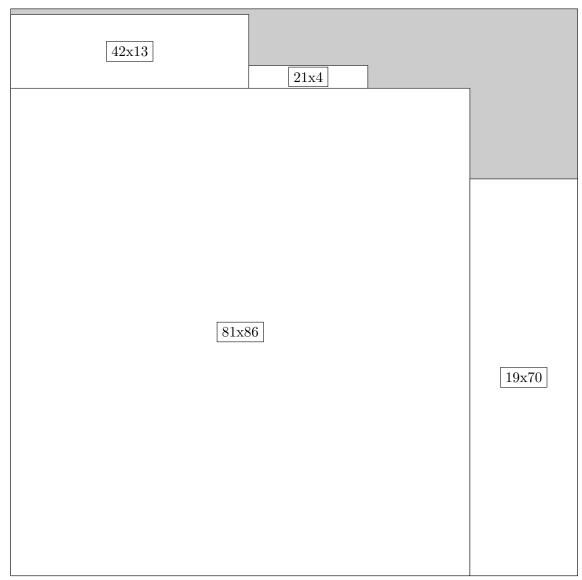
TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>220000</u> InS: <u>190251</u> Rate: <u>0.865</u> UB: <u>22</u> LB0: <u>22</u>

LB: **22** LBWithCut: **22**

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{22}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.200 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.063 \ s} \\ {\rm TotalTime:} \ \underline{0.341 \ s} \\ \end{array}$

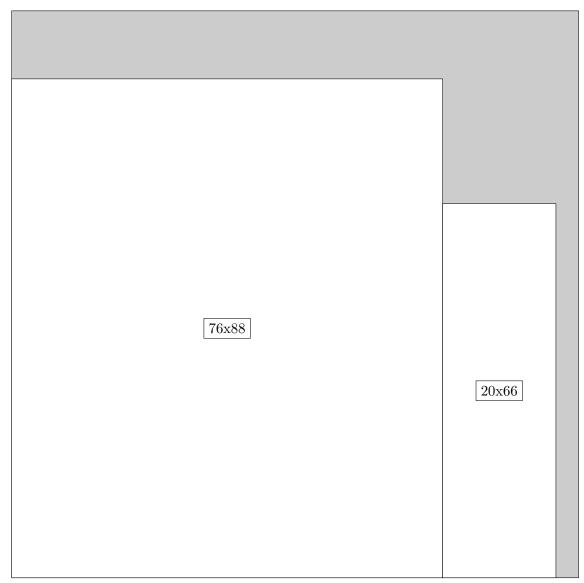


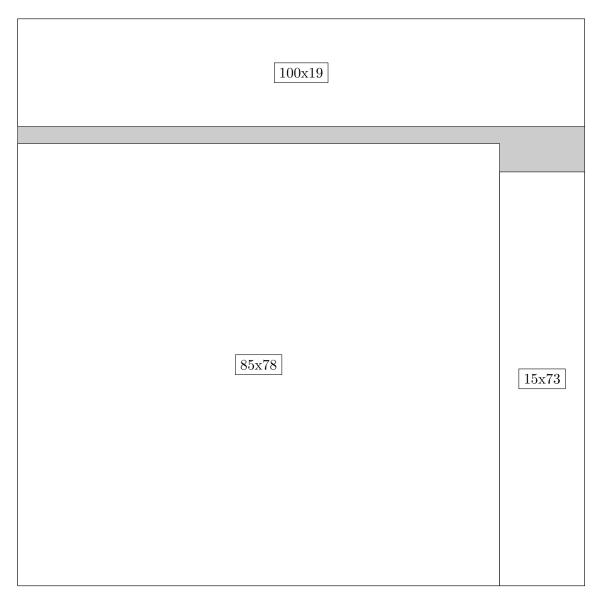
$$\le =81$$
 , h =86 , x =0 , y =0 , v =6966

$$\le =19$$
 , h =70 , x =81 , y =0 , v =1330

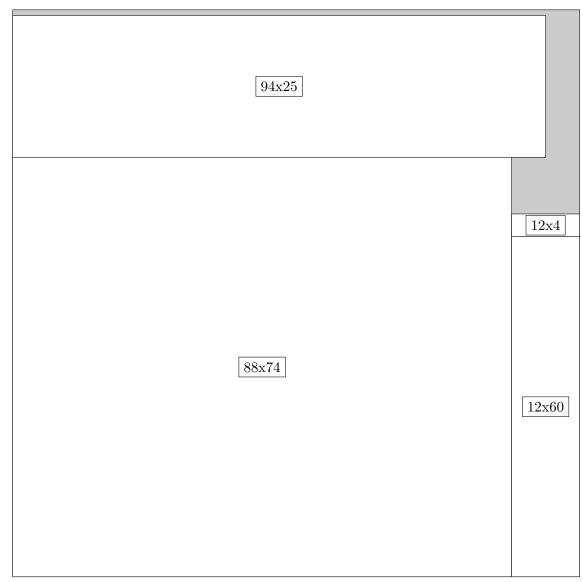
$$\le =42$$
 , h =13 , x =0 , y =86 , v =546

$$w$$
 =21 , h =4 , x =42 , y =86 , v =84





$$\begin{array}{l} w = \! 85 \; , \; h = \! 78 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 6630 \\ w = \! 100 \; , \; h = \! 19 \; , \; x = \! 0 \; , \; y = \! 81 \; , \; v = \! 1900 \\ w = \! 15 \; , \; h = \! 73 \; , \; x = \! 85 \; , \; y = \! 0 \; , \; v = \! 1095 \end{array}$$

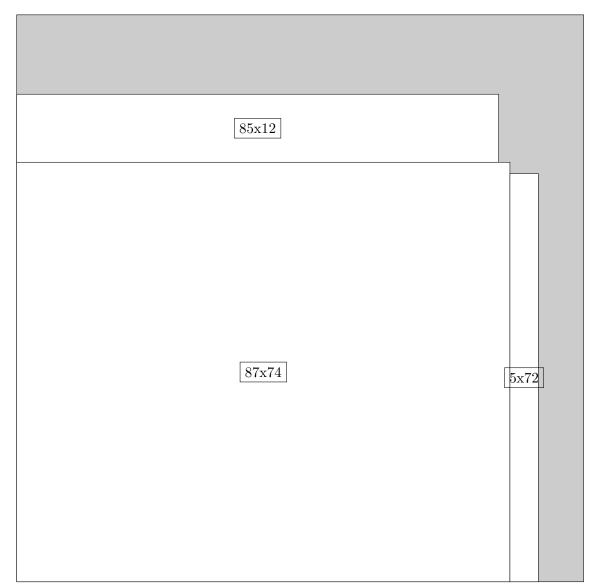


$$\le =88$$
 , h =74 , x =0 , y =0 , v =6512

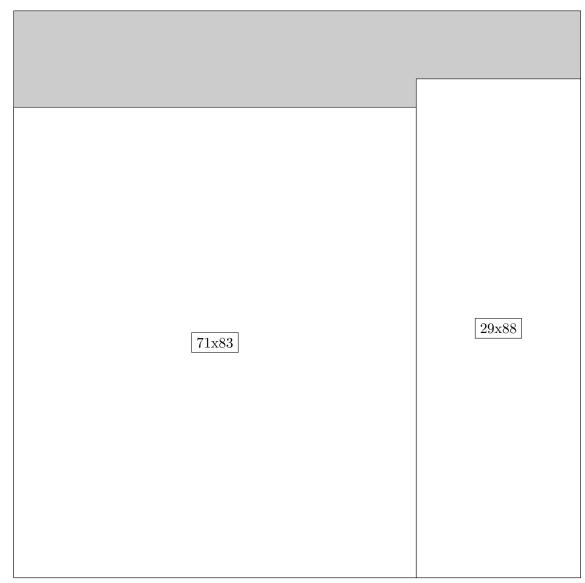
$$\le =94$$
 , h =25 , x =0 , y =74 , v =2350

$$\le =12$$
 , $h=60$, $x=88$, $y=0$, $v=720$

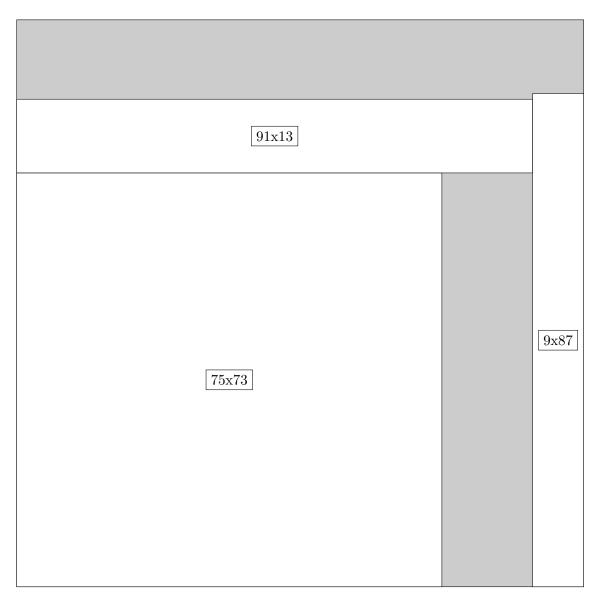
$$\le =12$$
 , h =4 , x =88 , y =60 , v =48



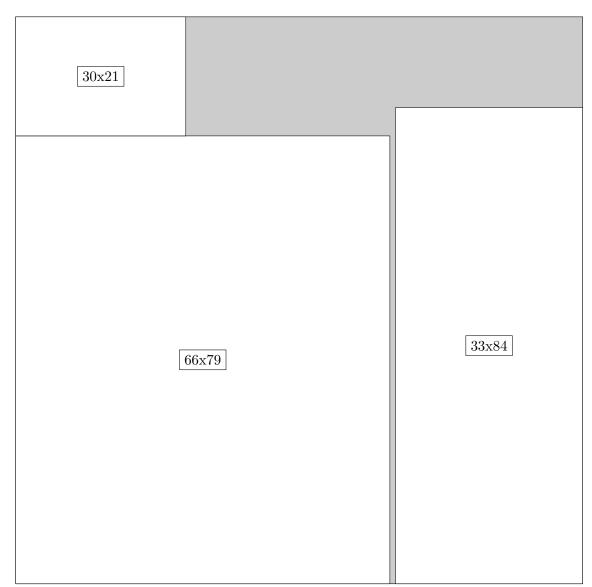
$$\begin{array}{l} w = \! 87 \; , \; h = \! 74 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 6438 \\ w = \! 85 \; , \; h = \! 12 \; , \; x = \! 0 \; , \; y = \! 74 \; , \; v = \! 1020 \\ w = \! 5 \; , \; h = \! 72 \; , \; x = \! 87 \; , \; y = \! 0 \; , \; v = \! 360 \end{array}$$



$$\begin{array}{c} \hline w = & 71 \; , \; h = & 83 \; , \; x = & 0 \; , \; y = & 0 \; , \; v = & 5893 \\ w = & 29 \; , \; h = & 88 \; , \; x = & 71 \; , \; y = & 0 \; , \; v = & 2552 \end{array}$$



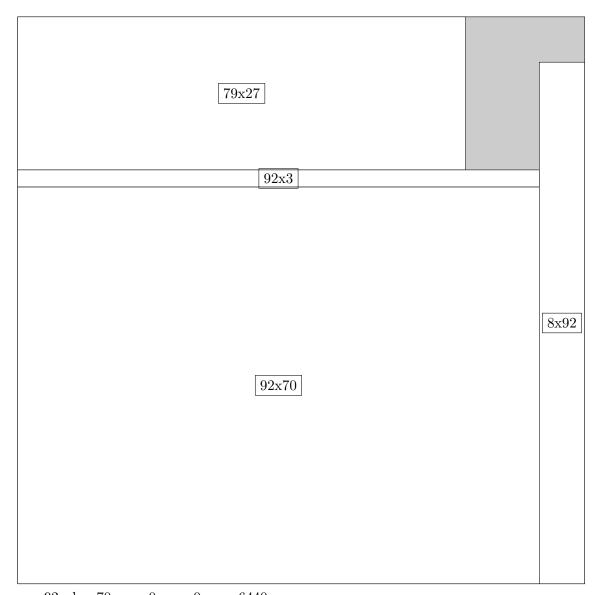
 $\begin{array}{l} w = \!\!\! 75 \ , \ h = \!\!\! 73 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 5475 \\ w = \!\!\! 91 \ , \ h = \!\!\! 13 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 73 \ , \ v = \!\!\! 1183 \\ w = \!\!\! 9 \ , \ h = \!\!\! 87 \ , \ x = \!\!\! 91 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 783 \end{array}$



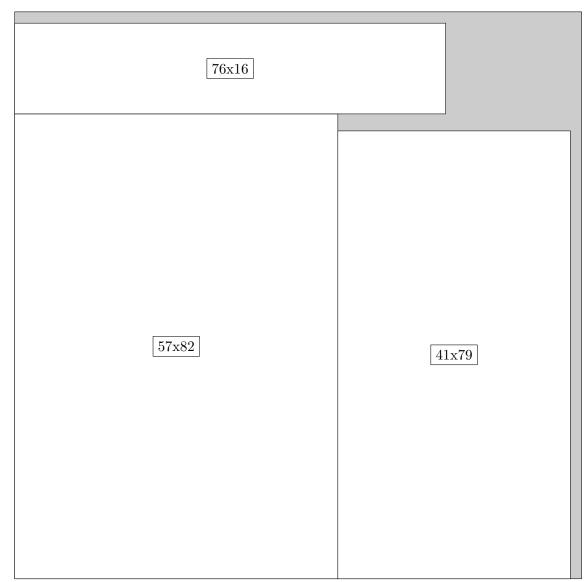
$$\le =66$$
 , h =79 , x =0 , y =0 , v =5214

$$\le =33$$
 , h =84 , x =67 , y =0 , v =2772

$$\le =30$$
 , h =21 , x =0 , y =79 , v =630



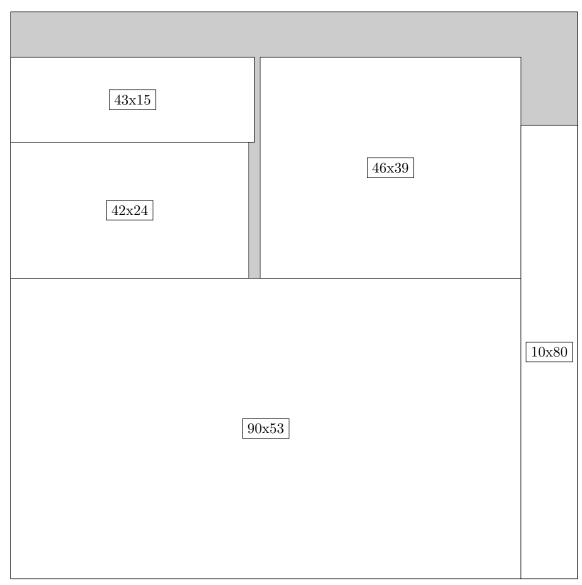
$$\begin{array}{l} w = 92 \ , \ h = 70 \ , \ x = 0 \ , \ y = 0 \ , \ v = 6440 \\ w = 79 \ , \ h = 27 \ , \ x = 0 \ , \ y = 73 \ , \ v = 2133 \\ w = 8 \ , \ h = 92 \ , \ x = 92 \ , \ y = 0 \ , \ v = 736 \\ w = 92 \ , \ h = 3 \ , \ x = 0 \ , \ y = 70 \ , \ v = 276 \end{array}$$



$$\le =57$$
 , h =82 , x =0 , y =0 , v =4674

$$\le =41$$
 , h =79 , x =57 , y =0 , v =3239

$$\le =76$$
 , h =16 , x =0 , y =82 , v =1216



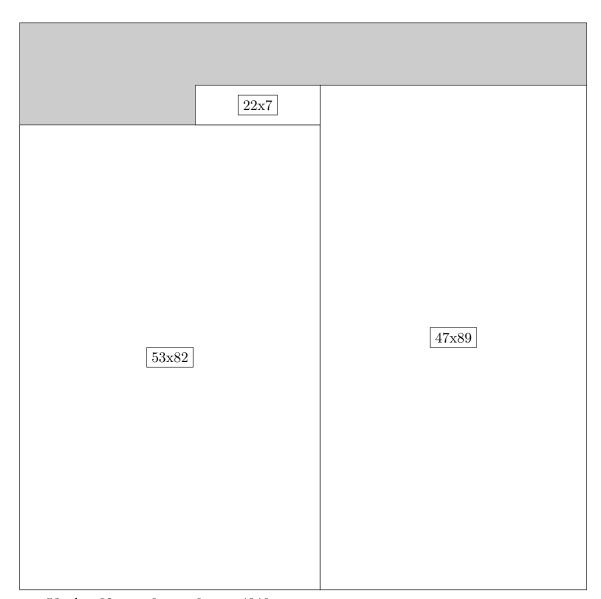
$$w = 42$$
, $h = 24$, $x = 0$, $y = 53$, $v = 1008$

$$\le =46$$
 , h =39 , x =44 , y =53 , v =1794

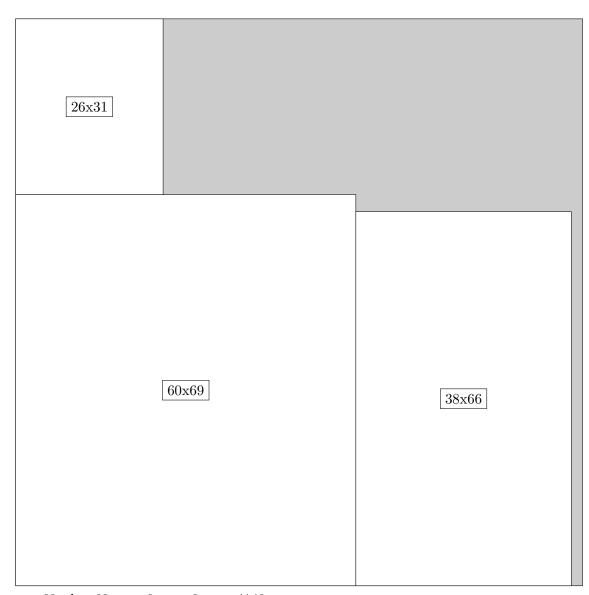
$$\le =90$$
 , $h=53$, $x=0$, $y=0$, $v=4770$

$$\mathbf{w}$$
 =10 , h =80 , x =90 , y =0 , v =800

$$\le =43$$
 , h =15 , x =0 , y =77 , v =645

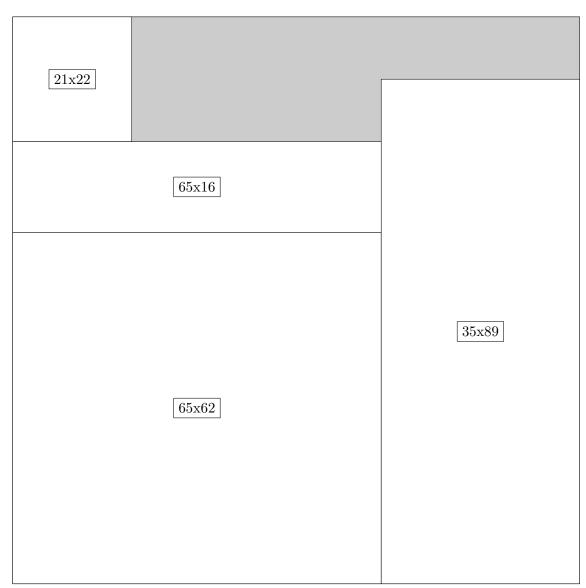


$$\begin{array}{l} w = \!\! 47 \ , \ h = \!\! 89 \ , \ x = \!\! 53 \ , \ y = \!\! 0 \ , \ v = \!\! 4183 \\ w = \!\! 22 \ , \ h = \!\! 7 \ , \ x = \!\! 31 \ , \ y = \!\! 82 \ , \ v = \!\! 154 \end{array}$$



$$\begin{array}{l} w = \! 60 \ , \ h = \! 69 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4140 \\ w = \! 38 \ , \ h = \! 66 \ , \ x = \! 60 \ , \ y = \! 0 \ , \ v = \! 2508 \end{array}$$

 $\le =26$, h =31 , x =0 , y =69 , v =806



$$\le =65$$
 , $h=62$, $x=0$, $y=0$, $v=4030$

$$\le =35$$
 , h =89 , x =65 , y =0 , v =3115

$$\le =65$$
 , h =16 , x =0 , y =62 , v =1040

$$\le =21$$
 , $h=22$, $x=0$, $y=78$, $v=462$

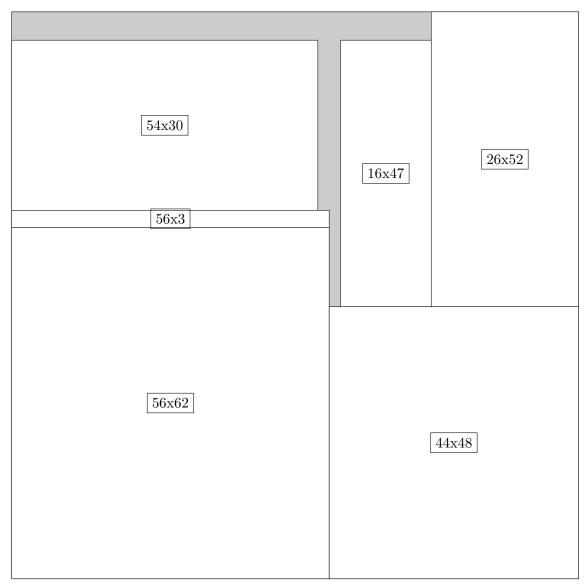
	64x30	
52x68	37x69	11x56

$$\le =52$$
 , $h=68$, $x=0$, $y=0$, $v=3536$

$$\le =37$$
 , h =69 , x =52 , y =0 , v =2553

$$\le =64$$
 , h =30 , x =36 , y =69 , v =1920

$$\le =11$$
 , $h=56$, $x=89$, $y=0$, $v=616$



$$w = 56$$
, $h = 62$, $x = 0$, $y = 0$, $v = 3472$

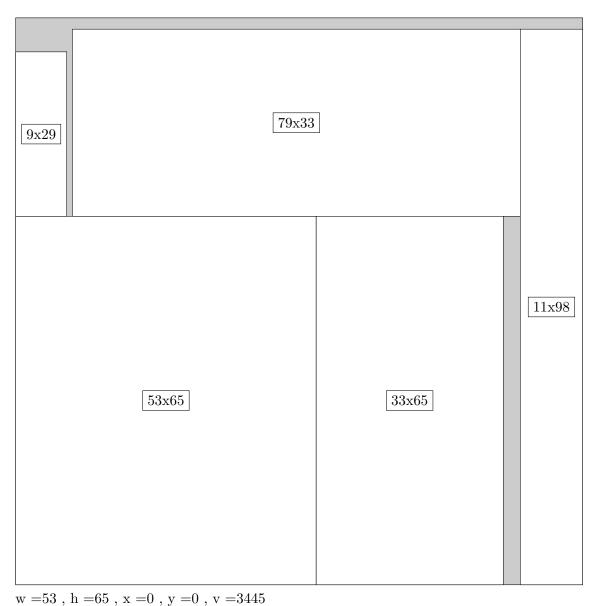
$$\le =44$$
 , h =48 , x =56 , y =0 , v =2112

$$\le =54$$
 , h =30 , x =0 , y =65 , v =1620

$$\le =26$$
 , h =52 , x =74 , y =48 , v =1352

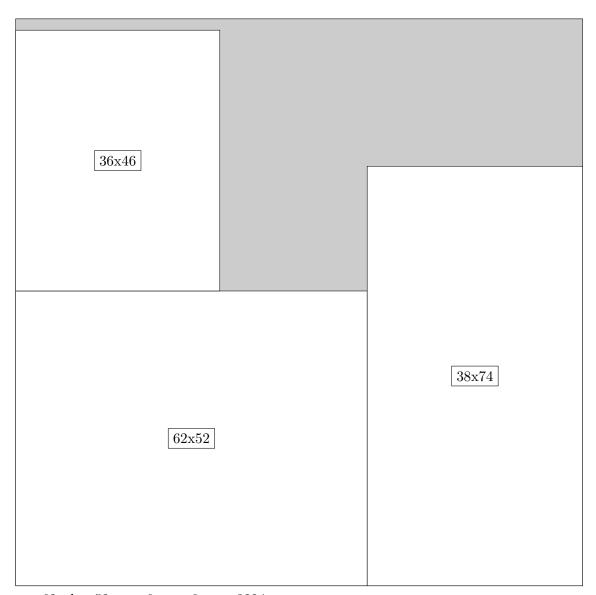
$$w$$
 =16 , h =47 , x =58 , y =48 , v =752

$$\le =56$$
 , $h=3$, $x=0$, $y=62$, $v=168$



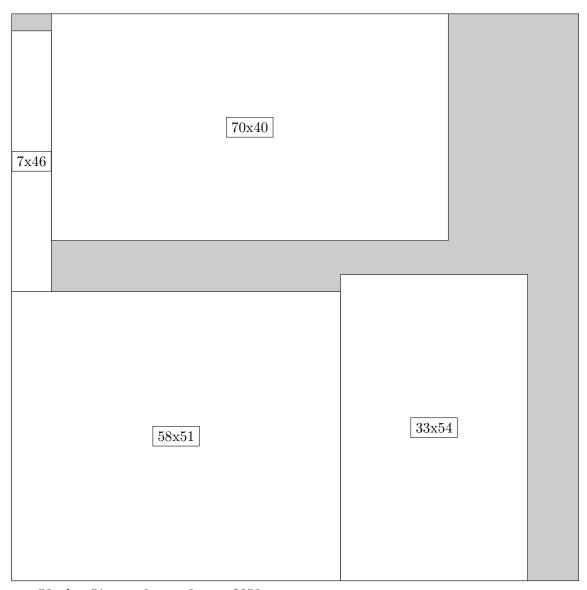
$$\le =11$$
 , h =98 , x =89 , y =0 , v =1078

$$\le =9$$
 , h =29 , x =0 , y =65 , v =261

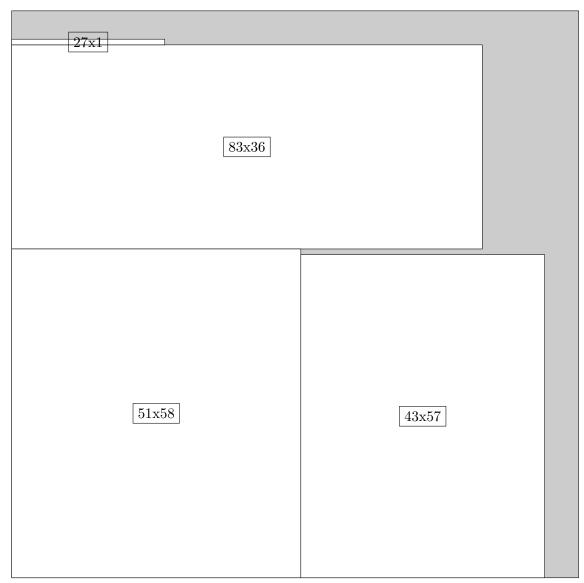


$$\le =38$$
 , h =74 , x =62 , y =0 , v =2812

$$\le =36$$
 , h =46 , x =0 , y =52 , v =1656



$$\begin{array}{l} w = \!58 \; , \; h = \!\!51 \; , \; x = \!\!0 \; , \; y = \!\!0 \; , \; v = \!\!2958 \\ w = \!\!70 \; , \; h = \!\!40 \; , \; x = \!\!7 \; , \; y = \!\!60 \; , \; v = \!\!2800 \\ w = \!\!33 \; , \; h = \!\!54 \; , \; x = \!\!58 \; , \; y = \!\!0 \; , \; v = \!\!1782 \\ w = \!\!7 \; , \; h = \!\!46 \; , \; x = \!\!0 \; , \; y = \!\!51 \; , \; v = \!\!322 \end{array}$$

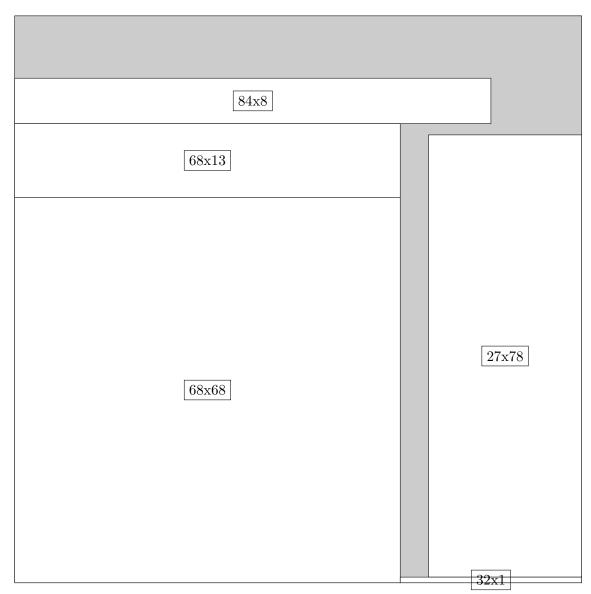


$$\le =83$$
 , $h=36$, $x=0$, $y=58$, $v=2988$

$$\le =51$$
 , $h=58$, $x=0$, $y=0$, $v=2958$

$$\le =43$$
 , h =57 , x =51 , y =0 , v =2451

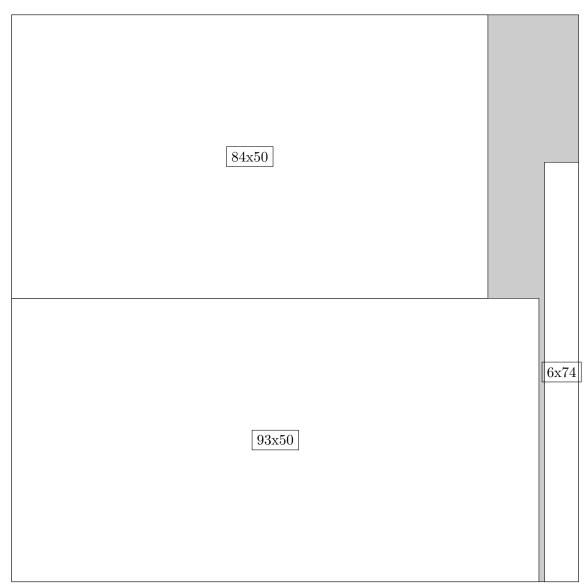
$$\le =27$$
 , h =1 , x =0 , y =94 , v =27



$$\le =68$$
 , $\le =68$, $\ge =0$, y =0 , v =4624

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

$$\begin{array}{l} w = \!\!84 \ , \ h = \!\!8 \ , \ x = \!\!0 \ , \ y = \!\!81 \ , \ v = \!\!672 \\ w = \!\!32 \ , \ h = \!\!1 \ , \ x = \!\!68 \ , \ y = \!\!0 \ , \ v = \!\!32 \end{array}$$



$$\begin{array}{l} w = \! 93 \ , \ h = \! 50 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4650 \\ w = \! 84 \ , \ h = \! 50 \ , \ x = \! 0 \ , \ y = \! 50 \ , \ v = \! 4200 \\ w = \! 6 \ , \ h = \! 74 \ , \ x = \! 94 \ , \ y = \! 0 \ , \ v = \! 444 \end{array}$$