${\bf ClassName:}~{\bf Class_05.2bp\text{-}20}$

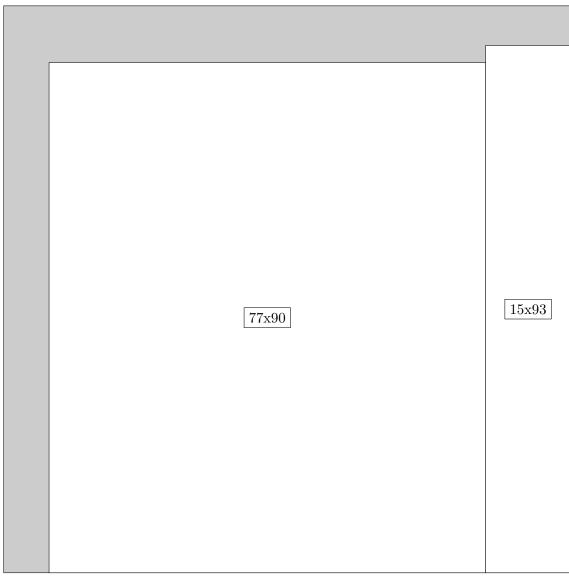
BinSize: $\underline{100 \times 100}$ ReduceSize: $\underline{100 \times 100}$

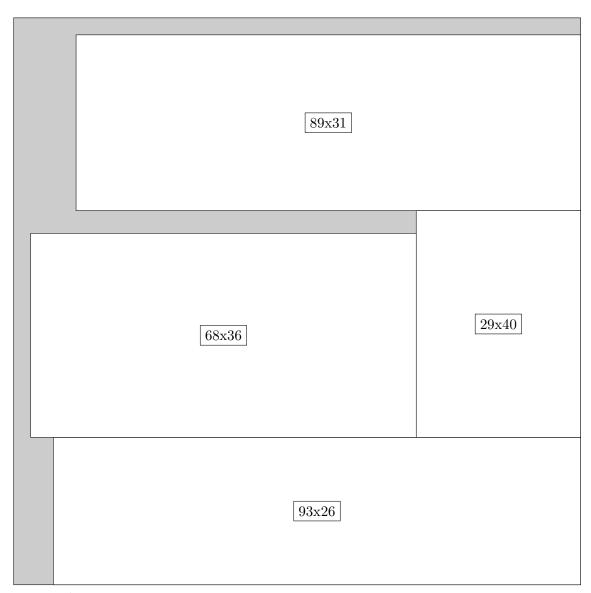
TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>200000</u> InS: <u>170660</u> Rate: <u>0.853</u> UB: <u>20</u> LB: <u>20</u>

LBWithCut: $\underline{20}$ NodeCount: $\underline{0}$ PrimalNode: $\underline{0}$ ColumnCount: $\underline{20}$ TotalCutCount: $\underline{0}$ RootCutCount: $\underline{0}$ LPSolverCnt: $\underline{1}$ PricingSolverCnt: $\underline{0}$ BranchAndBoundNum: $\underline{1}$

isOpt: **true**

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.250 s



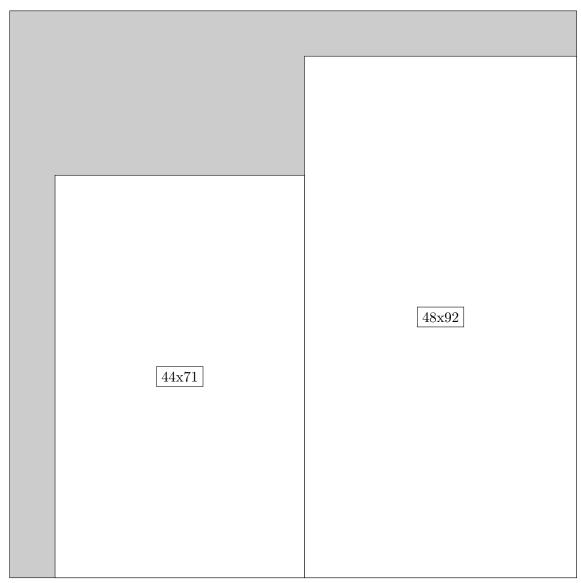


$$\le =93$$
 , h =26 , x =7 , y =0 , v =2418

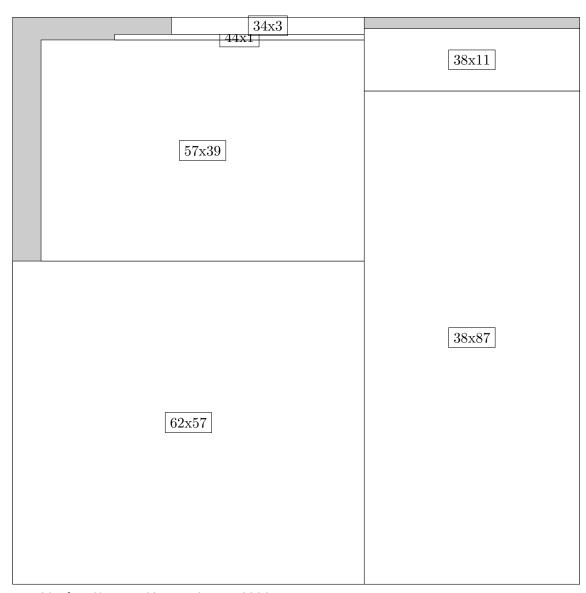
$$\le =29$$
 , h =40 , x =71 , y =26 , v =1160

$$\le =68$$
 , h =36 , x =3 , y =26 , v =2448

$$\le =89$$
 , h =31 , x =11 , y =66 , v =2759



$$w=48$$
 , $h=92$, $x=52$, $y=0$, $v=4416$ $w=44$, $h=71$, $x=8$, $y=0$, $v=3124$



$$\le =38$$
 , $\ge =87$, $\ge =62$, y =0 , v =3306

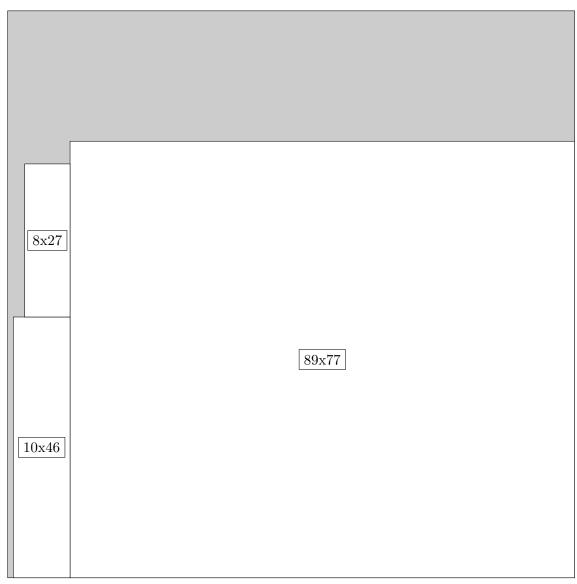
$$\le =38$$
 , h =11 , x =62 , y =87 , v =418

$$\le =62$$
 , $h=\!57$, $x=\!0$, $y=\!0$, $v=\!3534$

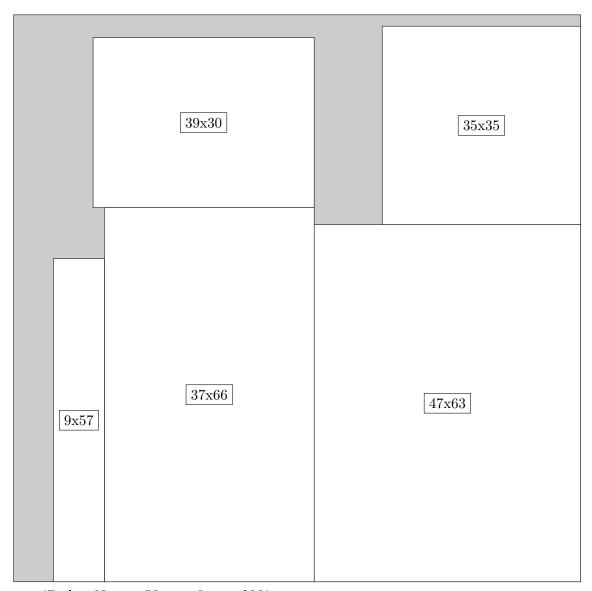
$$w$$
 =57 , h =39 , x =5 , y =57 , v =2223

$$\mathbf{w}$$
 =44 , h =1 , x =18 , y =96 , v =44

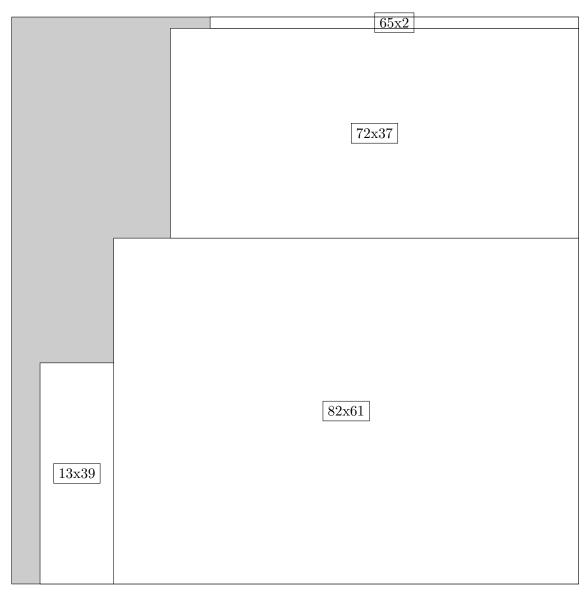
$$\le =34$$
 , $h=3$, $x=28$, $y=97$, $v=102$



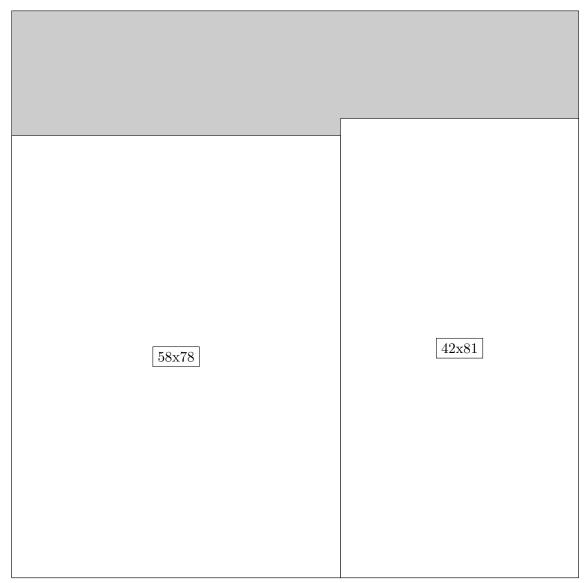
$$\begin{array}{l} w = \! 89 \ , \ h = \! 77 \ , \ x = \! 11 \ , \ y = \! 0 \ , \ v = \! 6853 \\ w = \! 10 \ , \ h = \! 46 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 460 \\ w = \! 8 \ , \ h = \! 27 \ , \ x = \! 3 \ , \ y = \! 46 \ , \ v = \! 216 \end{array}$$



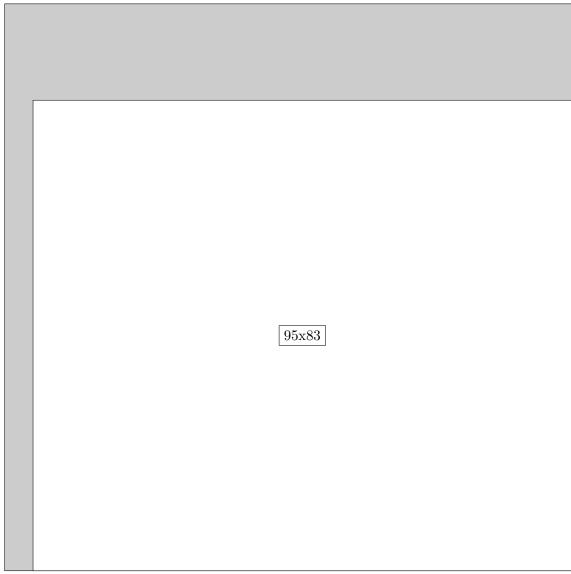
 $\begin{array}{l} w = \! 47 \;, \; h = \! 63 \;, \; x = \! 53 \;, \; y = \! 0 \;, \; v = \! 2961 \\ w = \! 35 \;, \; h = \! 35 \;, \; x = \! 65 \;, \; y = \! 63 \;, \; v = \! 1225 \\ w = \! 37 \;, \; h = \! 66 \;, \; x = \! 16 \;, \; y = \! 0 \;, \; v = \! 2442 \\ w = \! 9 \;, \; h = \! 57 \;, \; x = \! 7 \;, \; y = \! 0 \;, \; v = \! 513 \\ w = \! 39 \;, \; h = \! 30 \;, \; x = \! 14 \;, \; y = \! 66 \;, \; v = \! 1170 \end{array}$



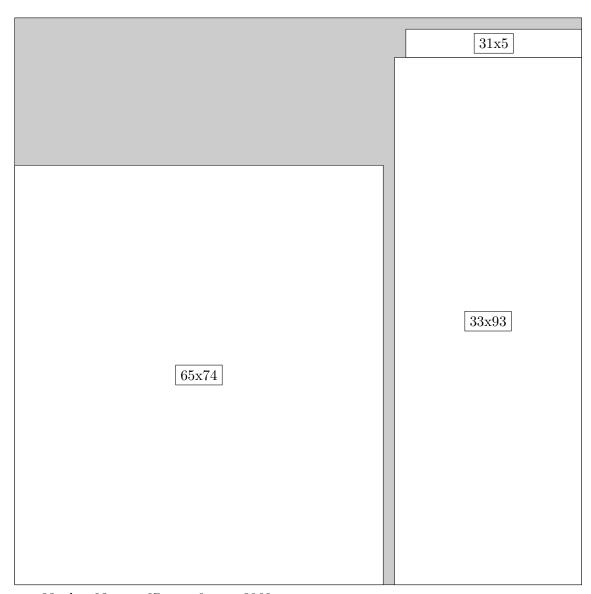
$$\begin{array}{l} w = \! 82 \; , \; h = \! 61 \; , \; x = \! 18 \; , \; y = \! 0 \; , \; v = \! 5002 \\ w = \! 72 \; , \; h = \! 37 \; , \; x = \! 28 \; , \; y = \! 61 \; , \; v = \! 2664 \\ w = \! 65 \; , \; h = \! 2 \; , \; x = \! 35 \; , \; y = \! 98 \; , \; v = \! 130 \\ w = \! 13 \; , \; h = \! 39 \; , \; x = \! 5 \; , \; y = \! 0 \; , \; v = \! 507 \end{array}$$



$$w=42$$
 , $h=81$, $x=58$, $y=0$, $v=3402$ $w=58$, $h=78$, $x=0$, $y=0$, $v=4524$



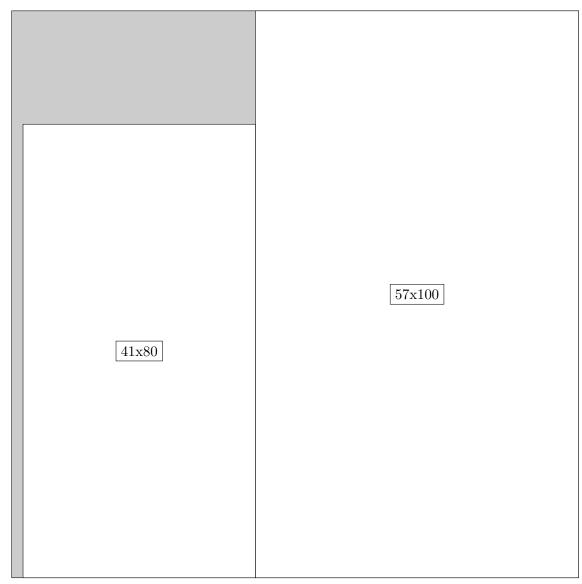
 $\le =95$, h =83 , x =5 , y =0 , v =7885



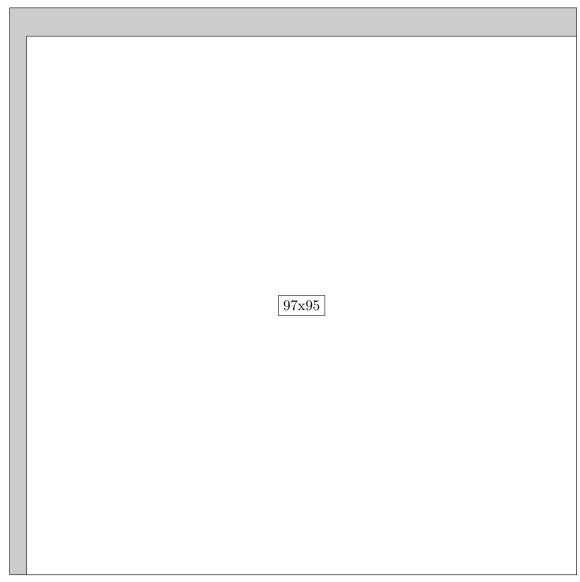
$$\le =33$$
 , h =93 , x =67 , y =0 , v =3069

$$\le =31$$
 , h =5 , x =69 , y =93 , v =155

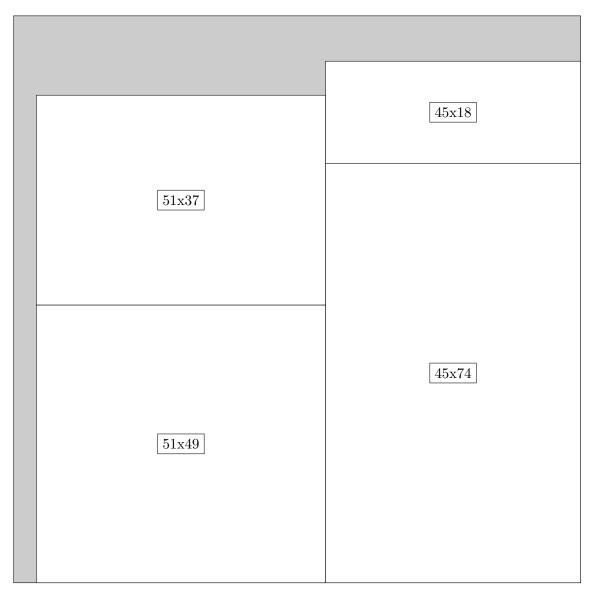
$$\mathbf{w}$$
 =65 , h =74 , x =0 , y =0 , v =4810



$$\begin{array}{l} w = \! 57 \; , \; h = \! 100 \; , \; x = \! 43 \; , \; y = \! 0 \; , \; v = \! 5700 \\ w = \! 41 \; , \; h = \! 80 \; , \; x = \! 2 \; , \; y = \! 0 \; , \; v = \! 3280 \\ \end{array}$$



 $\le =97$, h =95 , x =3 , y =0 , v =9215

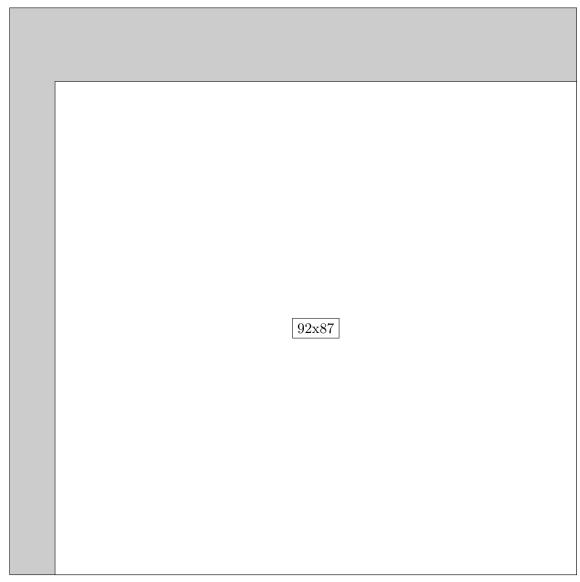


$$w = 45$$
, $h = 74$, $x = 55$, $y = 0$, $v = 3330$

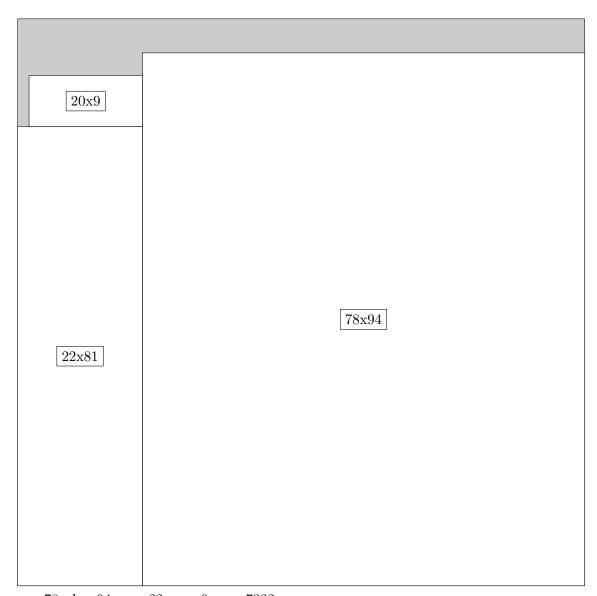
$$w$$
 =45 , h =18 , x =55 , y =74 , v =810

$$\le =51$$
 , h =49 , x =4 , y =0 , v =2499

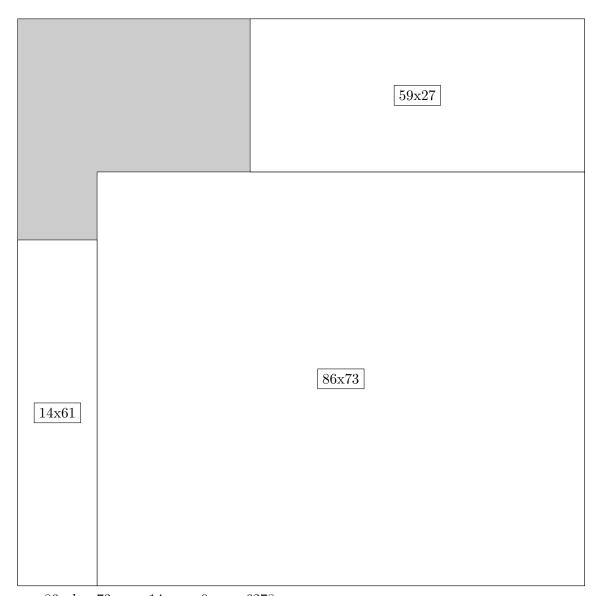
$$\le =51$$
 , h =37 , x =4 , y =49 , v =1887



 $\le =92$, h =87 , x =8 , y =0 , v =8004

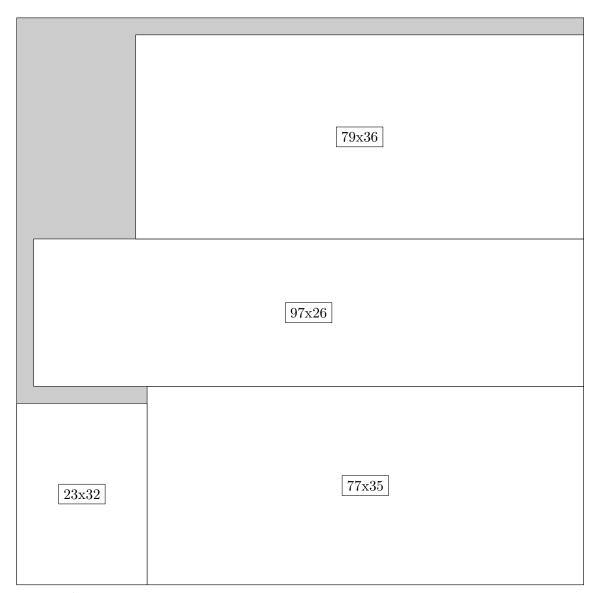


$$\begin{array}{l} w = 78 \ , \ h = 94 \ , \ x = 22 \ , \ y = 0 \ , \ v = 7332 \\ w = 22 \ , \ h = 81 \ , \ x = 0 \ , \ y = 0 \ , \ v = 1782 \\ w = 20 \ , \ h = 9 \ , \ x = 2 \ , \ y = 81 \ , \ v = 180 \end{array}$$



$$\begin{array}{l} w = \!\!86 \ , \ h = \!\!73 \ , \ x = \!\!14 \ , \ y = \!\!0 \ , \ v = \!\!6278 \\ w = \!\!14 \ , \ h = \!\!61 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!854 \end{array}$$

$$\le =59$$
 , h =27 , x =41 , y =73 , v =1593

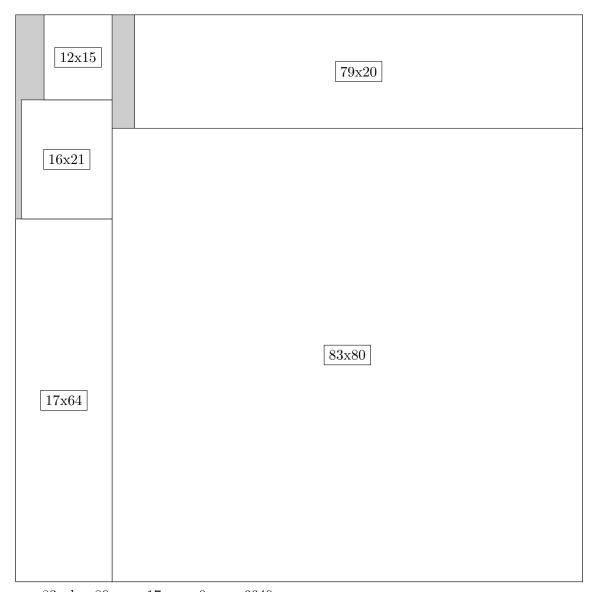


$$\le =77$$
 , h =35 , x =23 , y =0 , v =2695

$$\le =23$$
 , h =32 , x =0 , y =0 , v =736

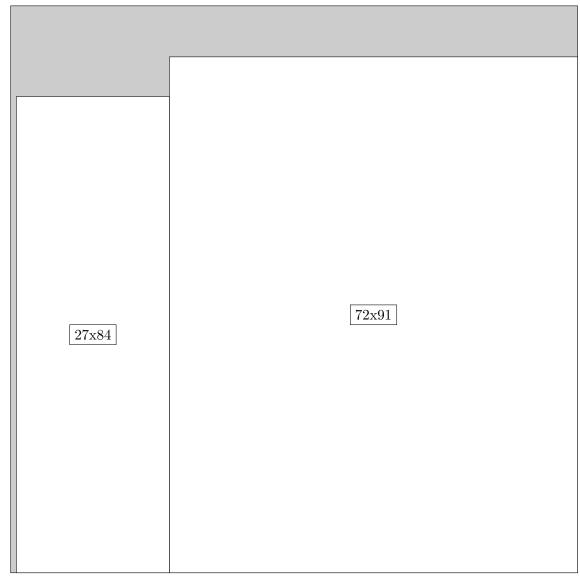
$$\le =97$$
 , h =26 , x =3 , y =35 , v =2522

$$w$$
 =79 , h =36 , x =21 , y =61 , v =2844

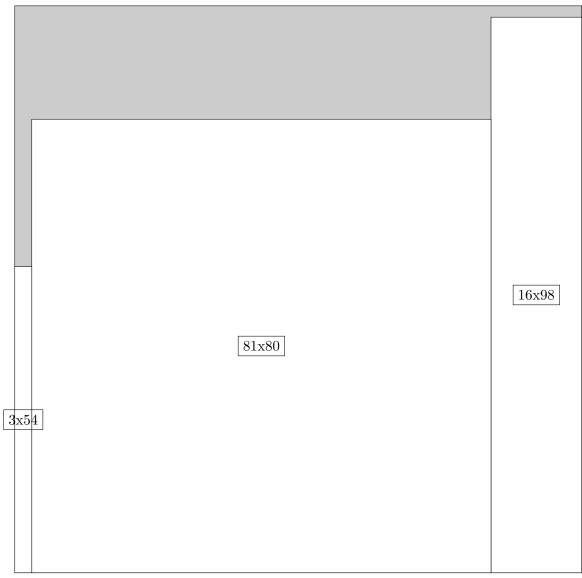


$$\begin{array}{l} w = \! 83 \ , \ h = \! 80 \ , \ x = \! 17 \ , \ y = \! 0 \ , \ v = \! 6640 \\ w = \! 79 \ , \ h = \! 20 \ , \ x = \! 21 \ , \ y = \! 80 \ , \ v = \! 1580 \\ w = \! 17 \ , \ h = \! 64 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1088 \end{array}$$

$$w = 16$$
, $h = 21$, $x = 1$, $y = 64$, $v = 336$



$$\begin{array}{l} w = \!\!\! 72 \ , \ h = \!\!\! 91 \ , \ x = \!\!\! 28 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 6552 \\ w = \!\!\! 27 \ , \ h = \!\!\! 84 \ , \ x = \!\!\! 1 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 2268 \end{array}$$



 $\begin{array}{l} w = \! 16 \ , \ h = \! 98 \ , \ x = \! 84 \ , \ y = \! 0 \ , \ v = \! 1568 \\ w = \! 81 \ , \ h = \! 80 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 6480 \\ w = \! 3 \ , \ h = \! 54 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 162 \end{array}$