$ClassName: \ Class_07.2bp-33$

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>210000</u> InS: <u>184308</u> Rate: <u>0.878</u> UB: <u>21</u> LB0: <u>21</u>

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

LB: **21**

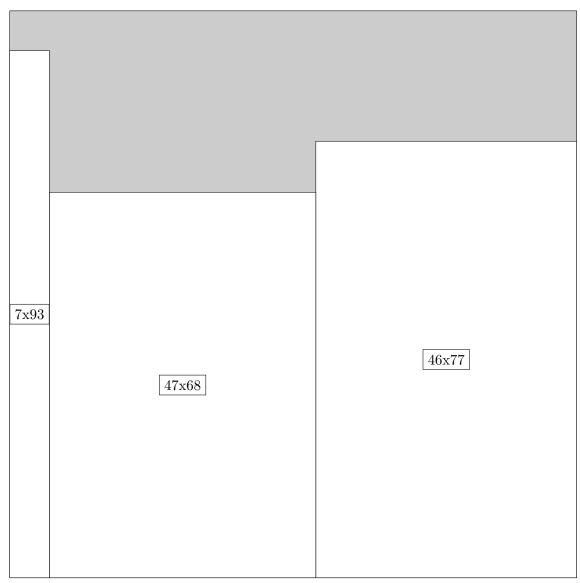
ExtendedNodeCnt: $\underline{1}$ GenNodeCnt: $\underline{1}$ PrimalNode: $\underline{129}$ ColumnCount: $\underline{193}$ TotalCutCount: $\underline{103}$ RootCutCount: $\underline{103}$

LPSolverCnt: $\underline{1396}$ PricingSolverCnt: $\underline{1395}$ BranchAndBoundNum: $\underline{1}$

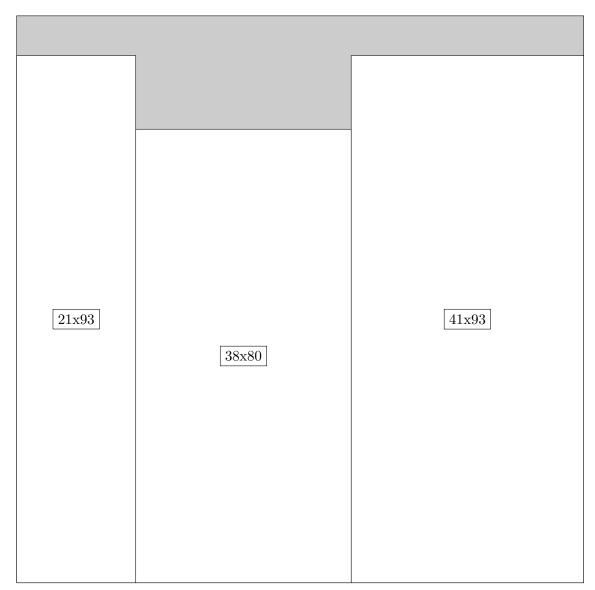
isOpt: $\underline{\mathbf{true}}$

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

TimeOnPrimal: 77.058 sTimeOnPricing: 105.718 sTimeOnRmp: 0.784 sTotalTime: 227.102 s



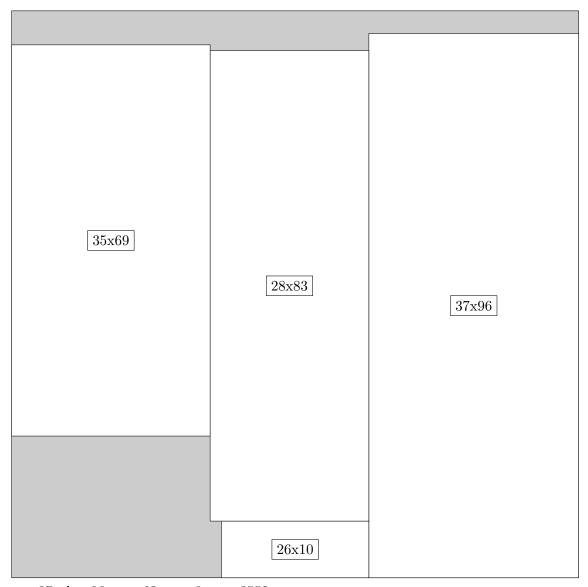
 $\begin{array}{l} w = \! 46 \ , \ h = \! 77 \ , \ x = \! 54 \ , \ y = \! 0 \ , \ v = \! 3542 \\ w = \! 47 \ , \ h = \! 68 \ , \ x = \! 7 \ , \ y = \! 0 \ , \ v = \! 3196 \\ w = \! 7 \ , \ h = \! 93 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 651 \end{array}$



w = 41, h = 93, x = 59, y = 0, v = 3813

 $\le =38$, h =80 , x =21 , y =0 , v =3040

 $\le =21$, h =93 , x =0 , y =0 , v =1953

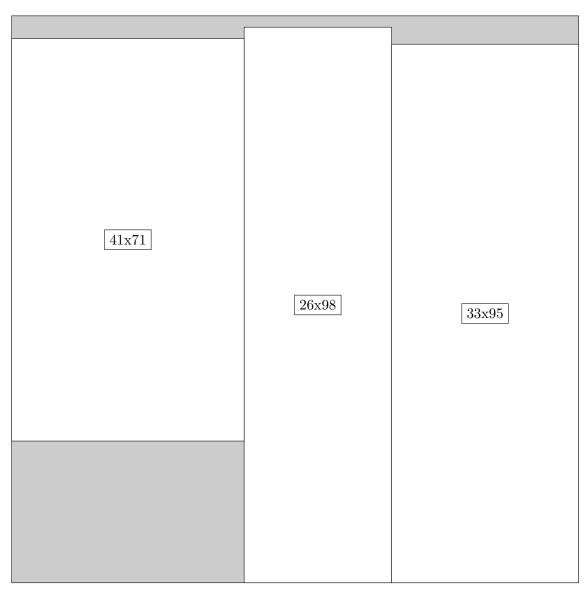


$$\le =37$$
 , h =96 , x =63 , y =0 , v =3552

$$\le =26$$
 , h =10 , x =37 , y =0 , v =260

$$\le =28$$
 , h =83 , x =35 , y =10 , v =2324

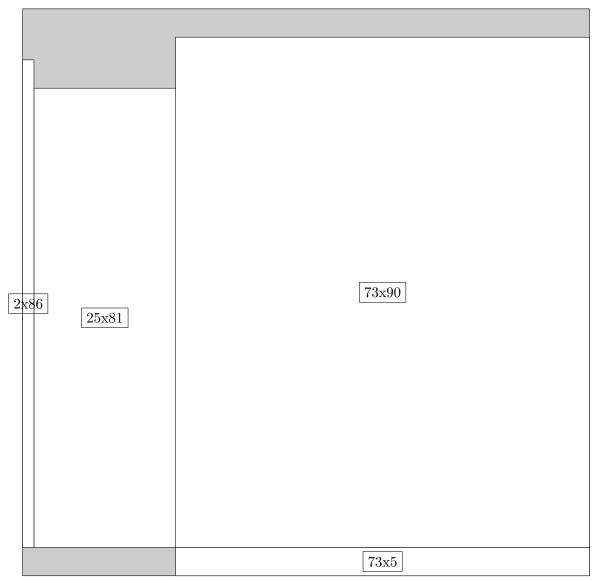
$$\le =35$$
 , h =69 , x =0 , y =25 , v =2415



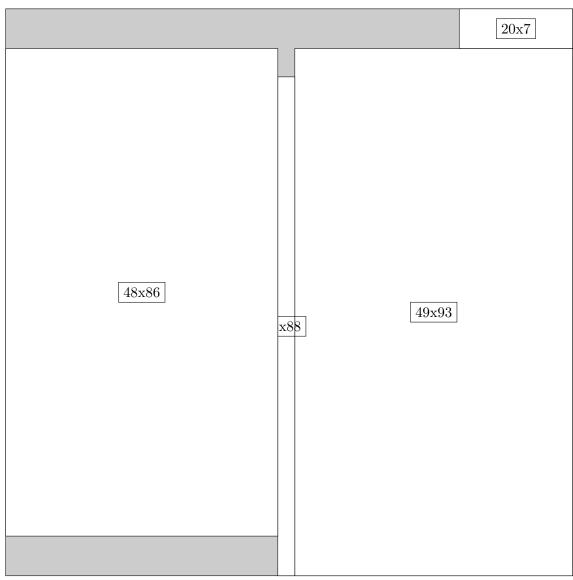
$$w = 33$$
, $h = 95$, $x = 67$, $y = 0$, $v = 3135$

$$\le =26$$
 , h =98 , x =41 , y =0 , v =2548

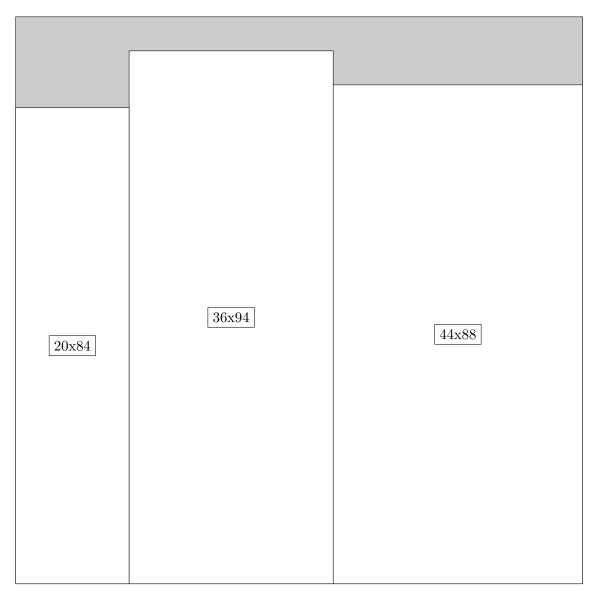
$$\le =41$$
 , $h=71$, $x=0$, $y=25$, $v=2911$



 $\begin{array}{l} w = 73 \ , \ h = 5 \ , \ x = 27 \ , \ y = 0 \ , \ v = 365 \\ w = 73 \ , \ h = 90 \ , \ x = 27 \ , \ y = 5 \ , \ v = 6570 \\ w = 25 \ , \ h = 81 \ , \ x = 2 \ , \ y = 5 \ , \ v = 2025 \\ w = 2 \ , \ h = 86 \ , \ x = 0 \ , \ y = 5 \ , \ v = 172 \end{array}$

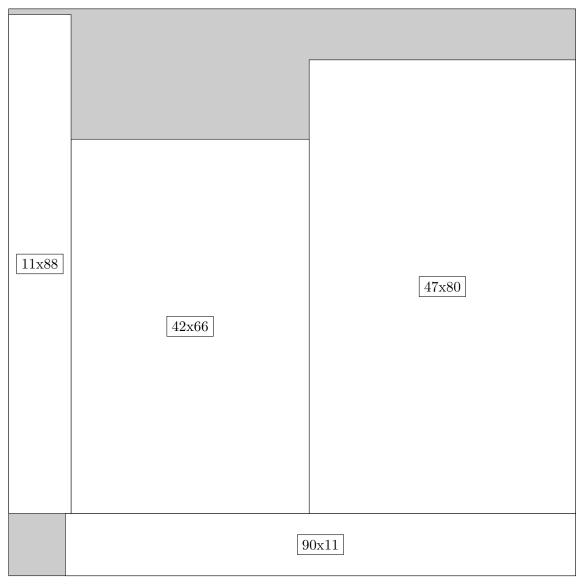


 $\begin{array}{l} w = \! 49 \; , \; h = \! 93 \; , \; x = \! 51 \; , \; y = \! 0 \; , \; v = \! 4557 \\ w = \! 3 \; , \; h = \! 88 \; , \; x = \! 48 \; , \; y = \! 0 \; , \; v = \! 264 \\ w = \! 48 \; , \; h = \! 86 \; , \; x = \! 0 \; , \; y = \! 7 \; , \; v = \! 4128 \\ w = \! 20 \; , \; h = \! 7 \; , \; x = \! 80 \; , \; y = \! 93 \; , \; v = \! 140 \end{array}$



 $\begin{array}{l} w = \!\! 44 \ , \ h = \!\! 88 \ , \ x = \!\! 56 \ , \ y = \!\! 0 \ , \ v = \!\! 3872 \\ w = \!\! 36 \ , \ h = \!\! 94 \ , \ x = \!\! 20 \ , \ y = \!\! 0 \ , \ v = \!\! 3384 \end{array}$

w = 20 , h = 84 , x = 0 , y = 0 , v = 1680

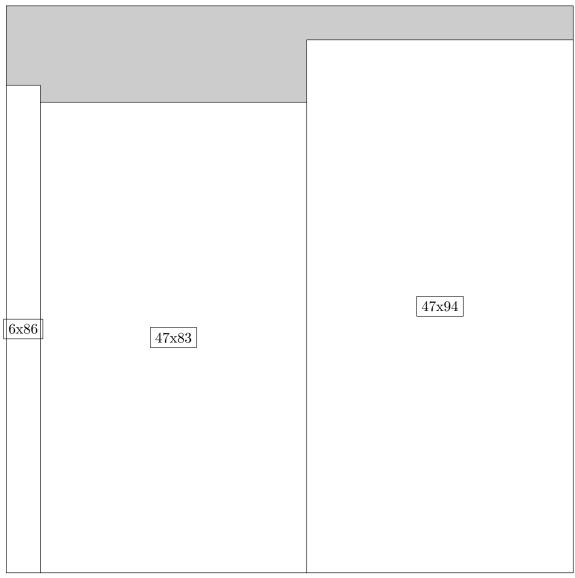


$$\le =90$$
 , h =11 , x =10 , y =0 , v =990

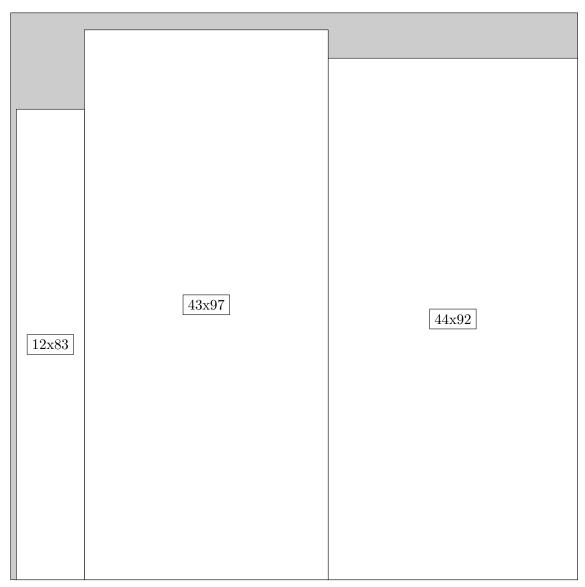
$$\le =47$$
 , h =80 , x =53 , y =11 , v =3760

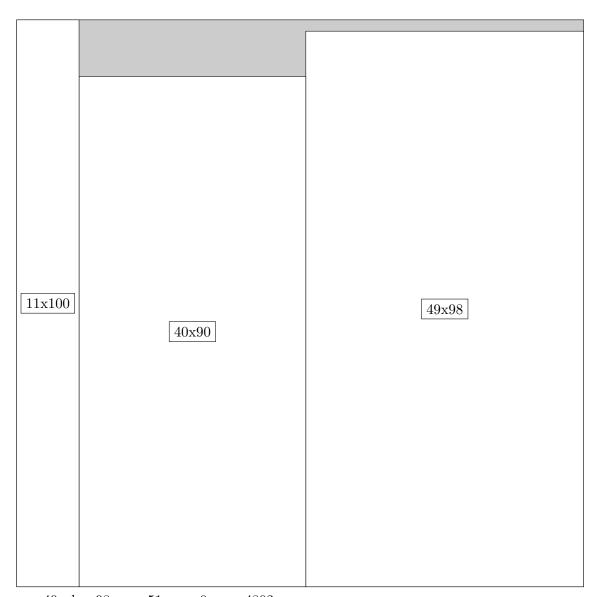
$$\le =42$$
 , h =66 , x =11 , y =11 , v =2772

$$\mathbf{w}$$
 =11 , h =88 , x =0 , y =11 , v =968



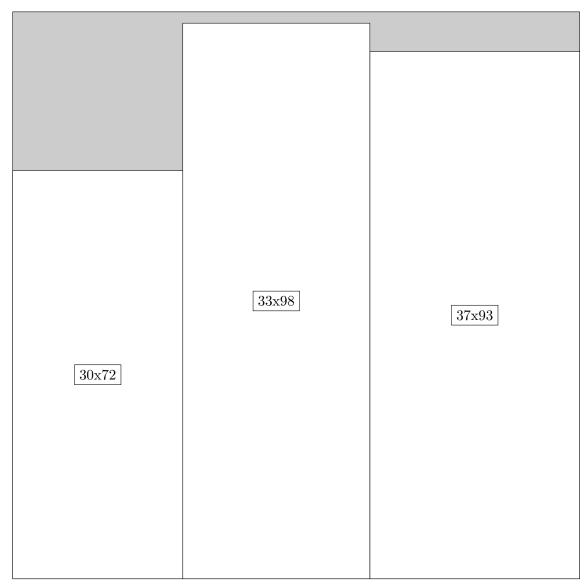
 $\begin{array}{l} w = \! 47 \ , \ h = \! 94 \ , \ x = \! 53 \ , \ y = \! 0 \ , \ v = \! 4418 \\ w = \! 47 \ , \ h = \! 83 \ , \ x = \! 6 \ , \ y = \! 0 \ , \ v = \! 3901 \\ w = \! 6 \ , \ h = \! 86 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 516 \end{array}$





 $\begin{array}{l} w = \! 49 \ , \ h = \! 98 \ , \ x = \! 51 \ , \ y = \! 0 \ , \ v = \! 4802 \\ w = \! 40 \ , \ h = \! 90 \ , \ x = \! 11 \ , \ y = \! 0 \ , \ v = \! 3600 \end{array}$

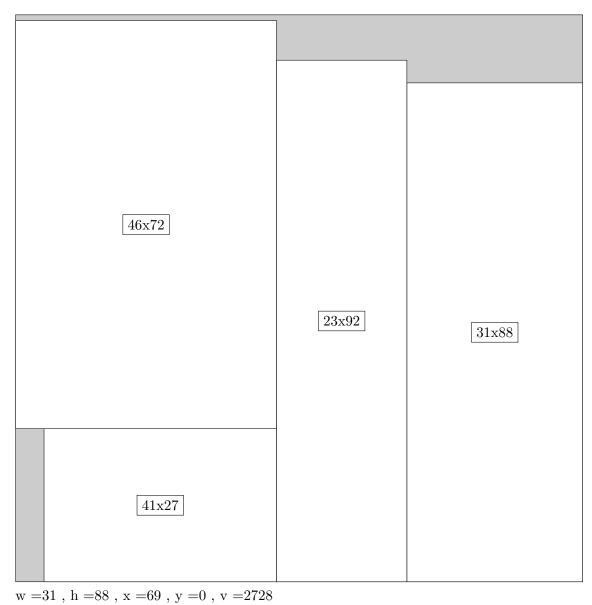
 \mathbf{w} =11 , h =100 , x =0 , y =0 , v =1100



w = 37, h = 93, x = 63, y = 0, v = 3441

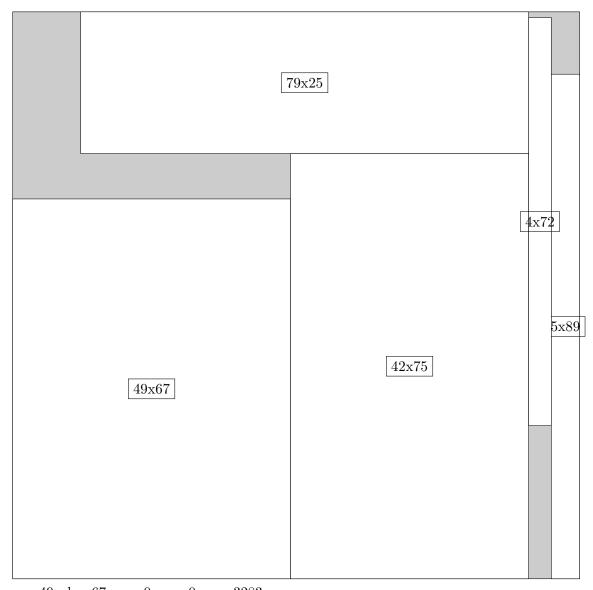
 $\le =33$, h =98 , x =30 , y =0 , v =3234

 $\le =30$, h =72 , x =0 , y =0 , v =2160

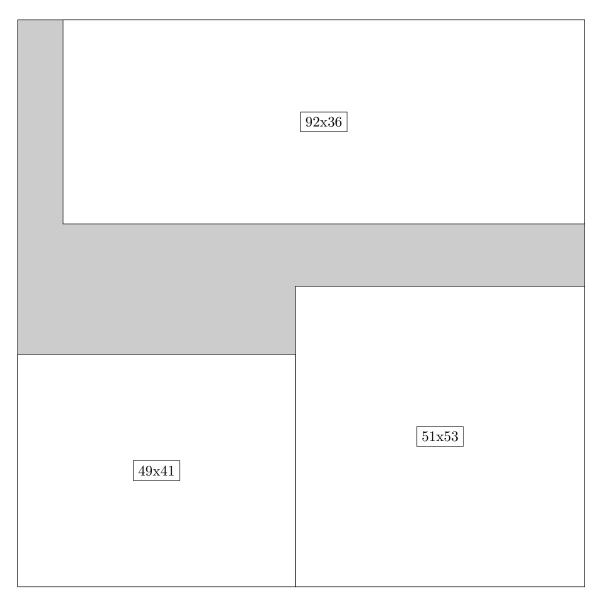


$$\le =41$$
 , h =27 , x =5 , y =0 , v =1107

$$\mathbf{w}=\!\!46$$
 , $\mathbf{h}=\!\!72$, $\mathbf{x}=\!\!0$, $\mathbf{y}=\!\!27$, $\mathbf{v}=\!\!3312$



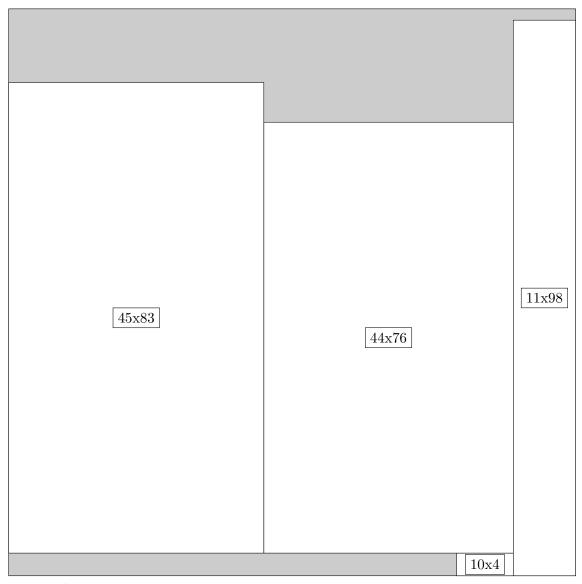
$$\begin{array}{l} w = \! 49 \;, \; h = \! 67 \;, \; x = \! 0 \;, \; y = \! 0 \;, \; v = \! 3283 \\ w = \! 42 \;, \; h = \! 75 \;, \; x = \! 49 \;, \; y = \! 0 \;, \; v = \! 3150 \\ w = \! 5 \;, \; h = \! 89 \;, \; x = \! 95 \;, \; y = \! 0 \;, \; v = \! 445 \\ w = \! 4 \;, \; h = \! 72 \;, \; x = \! 91 \;, \; y = \! 27 \;, \; v = \! 288 \\ w = \! 79 \;, \; h = \! 25 \;, \; x = \! 12 \;, \; y = \! 75 \;, \; v = \! 1975 \end{array}$$



$$w = 51$$
, $h = 53$, $x = 49$, $y = 0$, $v = 2703$

$$\mathbf{w}$$
 =49 , h =41 , x =0 , y =0 , v =2009

$$\le =92$$
 , h =36 , x =8 , y =64 , v =3312

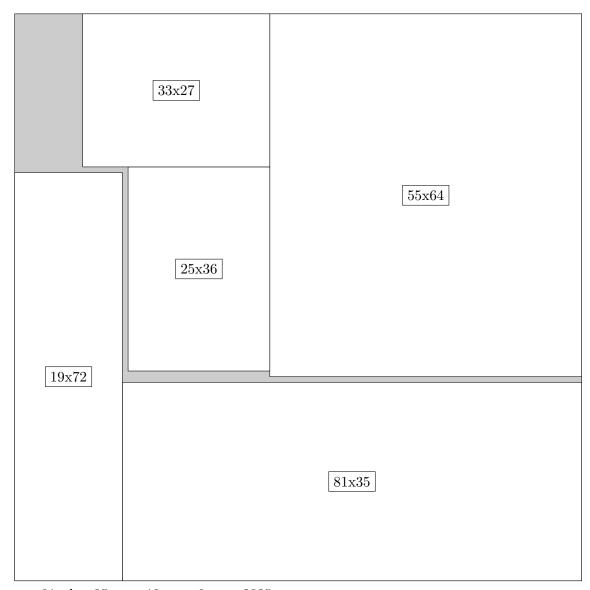


 $\le =11$, h =98 , x =89 , y =0 , v =1078

 $\le =10$, h=4 , x=79 , y=0 , v=40

 $\le =44$, h =76 , x =45 , y =4 , v =3344

 $\le =45$, h =83 , x =0 , y =4 , v =3735

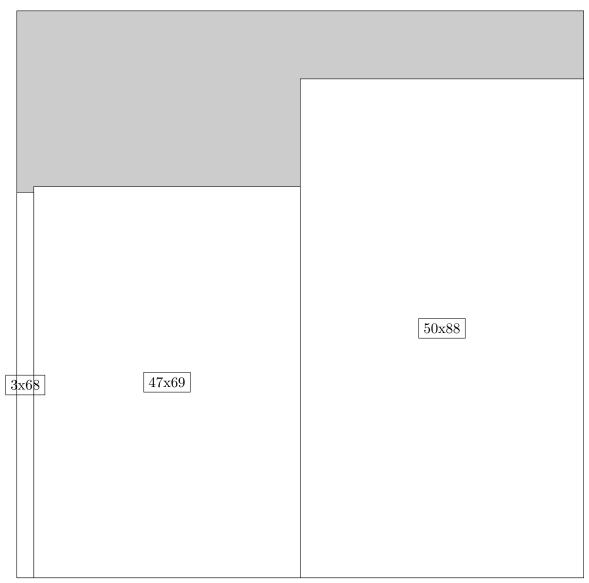


$$\le =81$$
 , $h=35$, $x=19$, $y=0$, $v=2835$

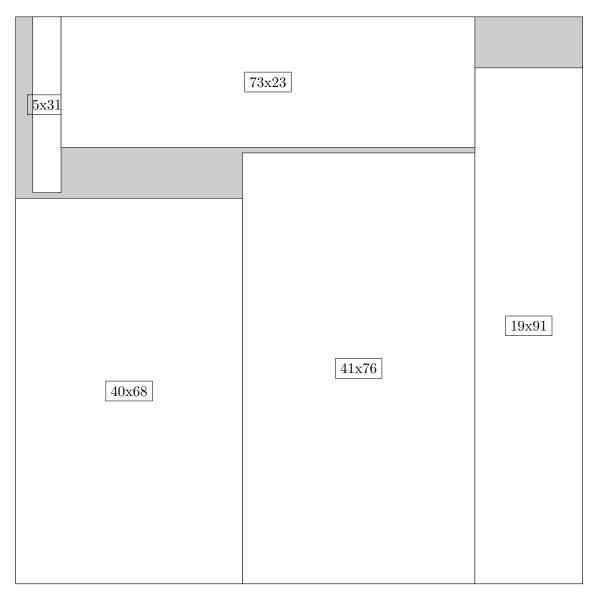
$$\le =55$$
 , $h=64$, $x=45$, $y=36$, $v=3520$

$$\le =25$$
 , h =36 , x =20 , y =37 , v =900

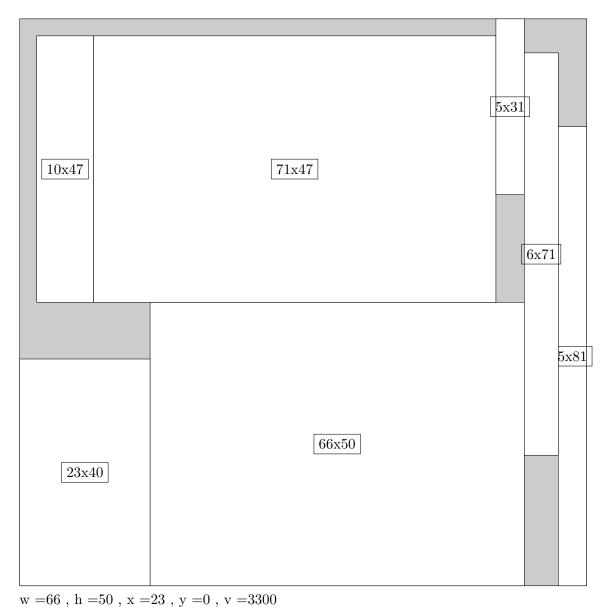
$$\le =33$$
 , h =27 , x =12 , y =73 , v =891



 $\begin{array}{l} w = \! 50 \ , \ h = \! 88 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 4400 \\ w = \! 47 \ , \ h = \! 69 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 3243 \\ w = \! 3 \ , \ h = \! 68 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 204 \end{array}$

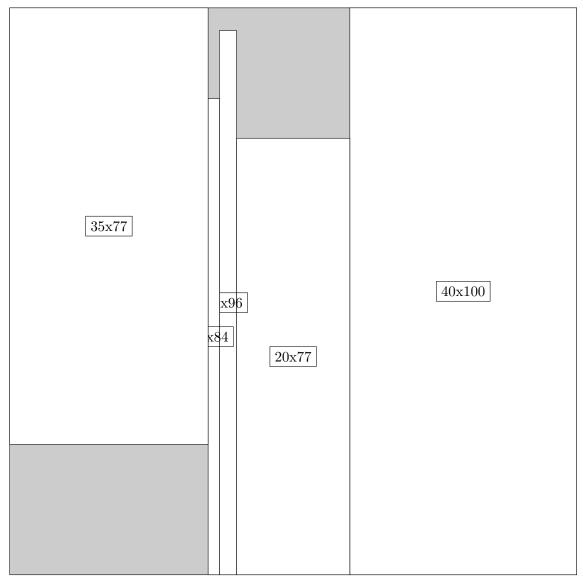


$$\begin{array}{l} w = \! 40 \ , \ h = \! 68 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2720 \\ w = \! 41 \ , \ h = \! 76 \ , \ x = \! 40 \ , \ y = \! 0 \ , \ v = \! 3116 \\ w = \! 19 \ , \ h = \! 91 \ , \ x = \! 81 \ , \ y = \! 0 \ , \ v = \! 1729 \\ w = \! 5 \ , \ h = \! 31 \ , \ x = \! 3 \ , \ y = \! 69 \ , \ v = \! 155 \\ w = \! 73 \ , \ h = \! 23 \ , \ x = \! 8 \ , \ y = \! 77 \ , \ v = \! 1679 \end{array}$$



$$w = 10$$
, $h = 47$, $x = 3$, $y = 50$, $v = 470$

$$w = 5$$
, $h = 31$, $x = 84$, $y = 69$, $v = 155$



 $\begin{array}{l} w = \! 40 \;,\; h = \! 100 \;,\; x = \! 60 \;,\; y = \! 0 \;,\; v = \! 4000 \\ w = \! 20 \;,\; h = \! 77 \;,\; x = \! 40 \;,\; y = \! 0 \;,\; v = \! 1540 \\ w = \! 3 \;,\; h = \! 96 \;,\; x = \! 37 \;,\; y = \! 0 \;,\; v = \! 288 \\ w = \! 2 \;,\; h = \! 84 \;,\; x = \! 35 \;,\; y = \! 0 \;,\; v = \! 168 \\ w = \! 35 \;,\; h = \! 77 \;,\; x = \! 0 \;,\; y = \! 23 \;,\; v = \! 2695 \end{array}$