${\bf ClassName:}~{\bf Class\_05.2bp\text{-}30}$ 

BinSize:  $100 \times 100$ ReduceSize:  $100 \times 100$ 

TypeNum: 80 Num: **80** OutS: **220000** InS: 190251Rate: 0.865UB: **22** 

LB0: **22** LB: **22** 

LBWithCut: 22 NodeCut:  $\mathbf{0}$ 

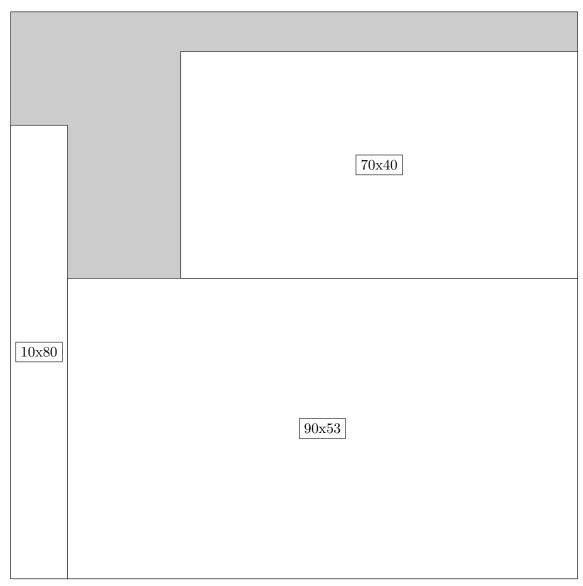
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

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

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

TimeOnInitSolution:  $\underline{600.000 \text{ s}}$ 

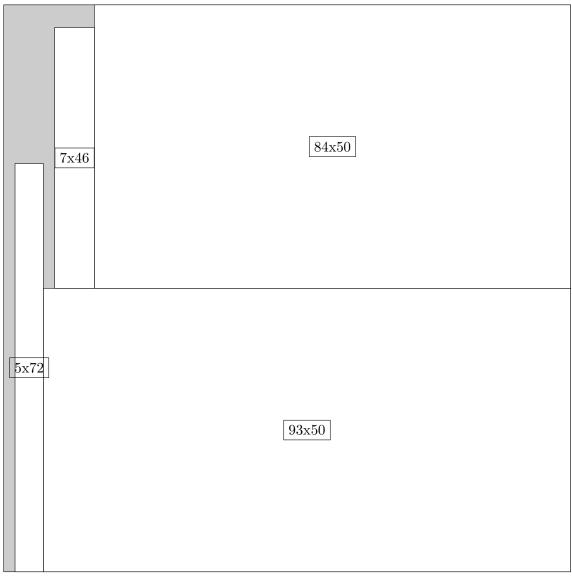
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 s TimeOnRmp: 0.078 sTotal Time: 600.375 s



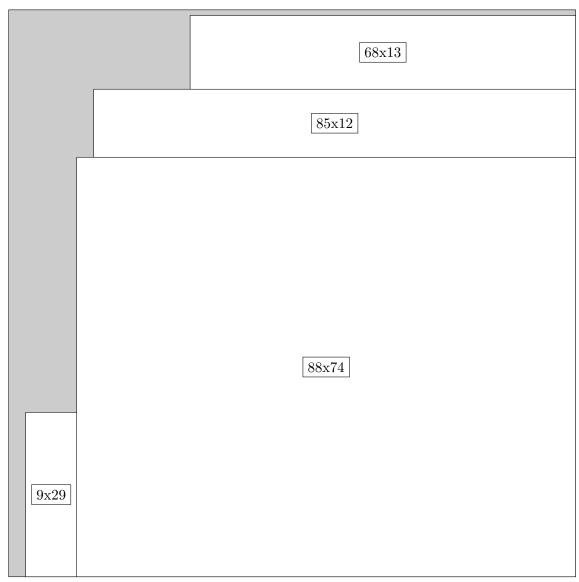
$$w = 90$$
,  $h = 53$ ,  $x = 10$ ,  $y = 0$ ,  $v = 4770$ 

$$w$$
 =70 , h =40 , x =30 , y =53 , v =2800

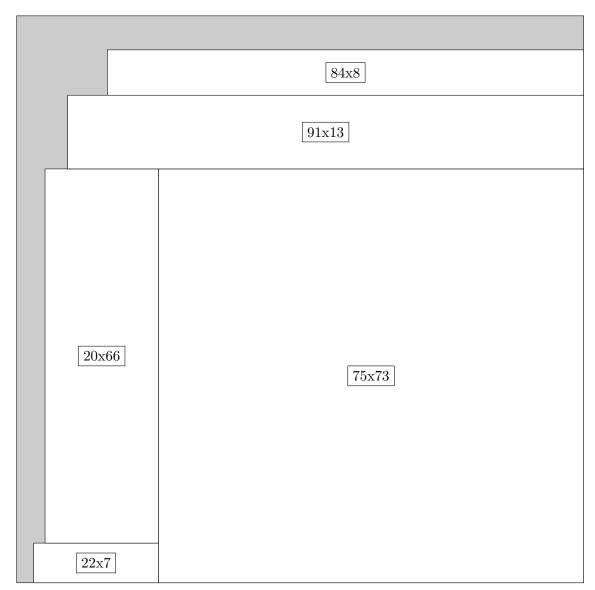
$$\le =10$$
 ,  $h$  =80 ,  $x$  =0 ,  $y$  =0 ,  $v$  =800



 $\begin{array}{l} w = \! 93 \ , \ h = \! 50 \ , \ x = \! 7 \ , \ y = \! 0 \ , \ v = \! 4650 \\ w = \! 84 \ , \ h = \! 50 \ , \ x = \! 16 \ , \ y = \! 50 \ , \ v = \! 4200 \\ w = \! 7 \ , \ h = \! 46 \ , \ x = \! 9 \ , \ y = \! 50 \ , \ v = \! 322 \\ w = \! 5 \ , \ h = \! 72 \ , \ x = \! 2 \ , \ y = \! 0 \ , \ v = \! 360 \end{array}$ 



$$\begin{array}{l} w = \! 88 \;, \; h = \! 74 \;, \; x = \! 12 \;, \; y = \! 0 \;, \; v = \! 6512 \\ w = \! 9 \;, \; h = \! 29 \;, \; x = \! 3 \;, \; y = \! 0 \;, \; v = \! 261 \\ w = \! 85 \;, \; h = \! 12 \;, \; x = \! 15 \;, \; y = \! 74 \;, \; v = \! 1020 \\ w = \! 68 \;, \; h = \! 13 \;, \; x = \! 32 \;, \; y = \! 86 \;, \; v = \! 884 \end{array}$$



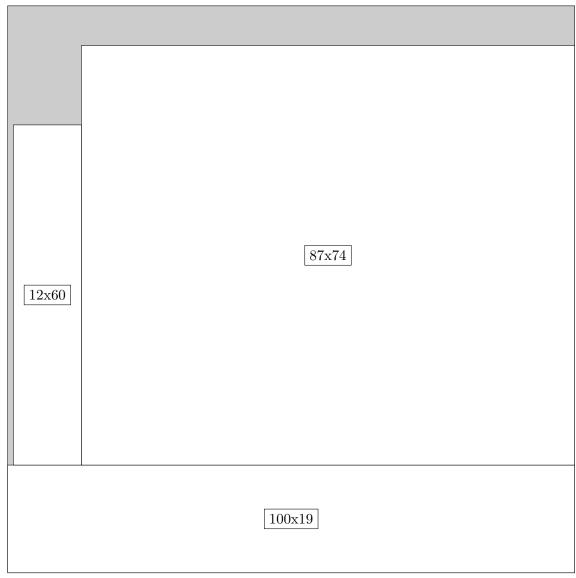
$$w = 75 \ , \ h = 73 \ , \ x = 25 \ , \ y = 0 \ , \ v = 5475$$

$$w$$
 =22 , h =7 , x =3 , y =0 , v =154

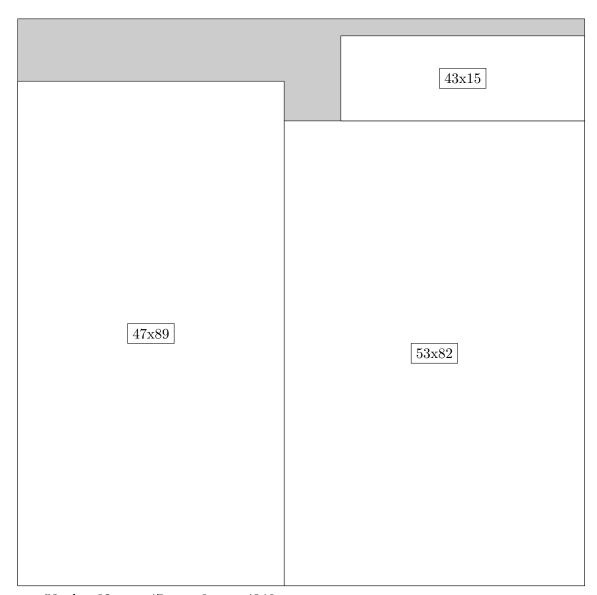
$$\le =20$$
 ,  $h=66$  ,  $x=5$  ,  $y=7$  ,  $v=1320$ 

$$\le =91$$
 , h =13 , x =9 , y =73 , v =1183

$$\le =84$$
 ,  $h=8$  ,  $x=16$  ,  $y=86$  ,  $v=672$ 

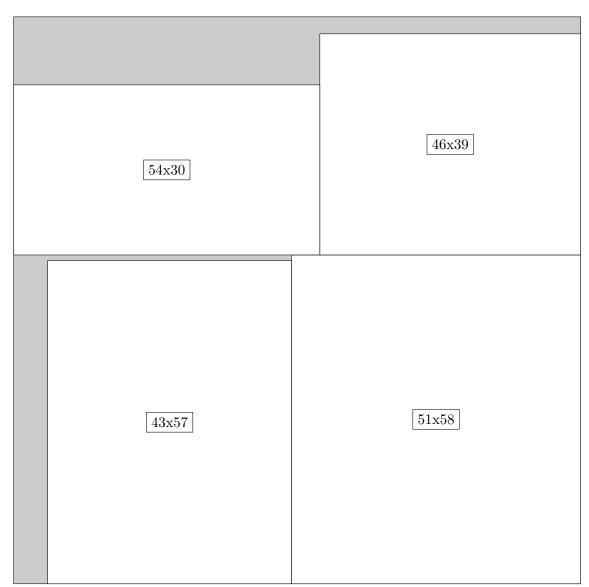


$$\begin{array}{l} w = \! 100 \ , \ h = \! 19 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1900 \\ w = \! 87 \ , \ h = \! 74 \ , \ x = \! 13 \ , \ y = \! 19 \ , \ v = \! 6438 \\ w = \! 12 \ , \ h = \! 60 \ , \ x = \! 1 \ , \ y = \! 19 \ , \ v = \! 720 \end{array}$$



$$\begin{array}{l} w = \! 53 \ , \ h = \! 82 \ , \ x = \! 47 \ , \ y = \! 0 \ , \ v = \! 4346 \\ w = \! 43 \ , \ h = \! 15 \ , \ x = \! 57 \ , \ y = \! 82 \ , \ v = \! 645 \end{array}$$

$$\le =47$$
 ,  $h=89$  ,  $x=0$  ,  $y=0$  ,  $v=4183$ 

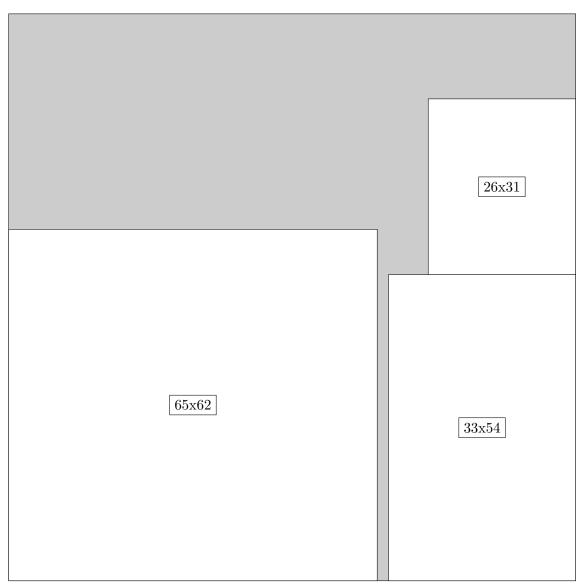


$$\le =51$$
 ,  $h$  =58 ,  $x$  =49 ,  $y$  =0 ,  $v$  =2958

$$\le =43$$
 ,  $h$  =57 ,  $x$  =6 ,  $y$  =0 ,  $v$  =2451

$$\le =46$$
 , h =39 , x =54 , y =58 , v =1794

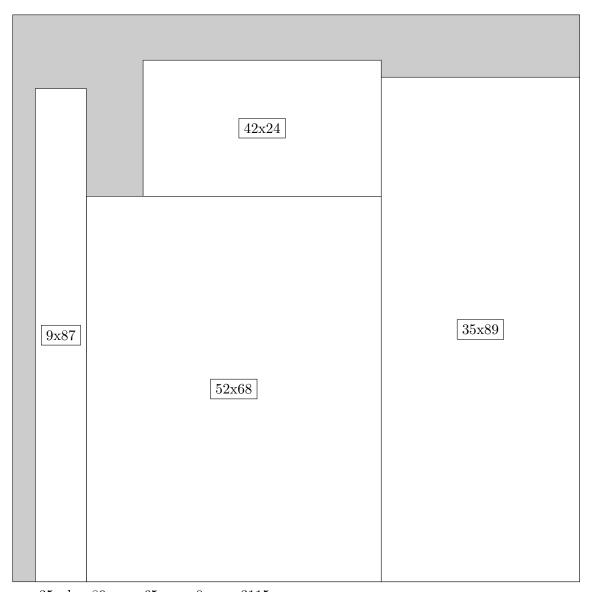
$$\le =54$$
 , h =30 , x =0 , y =58 , v =1620



$$\le =33$$
 , h =54 , x =67 , y =0 , v =1782

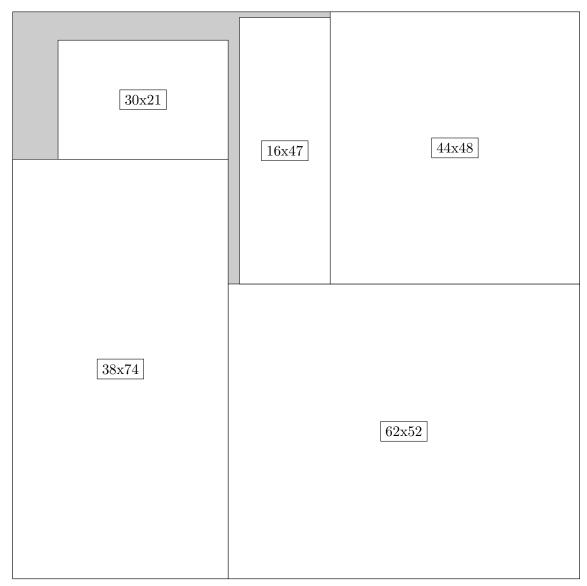
$$w$$
 =26 , h =31 , x =74 , y =54 , v =806

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



$$\le =42$$
 , h =24 , x =23 , y =68 , v =1008

 $\mathbf{w}$  =9 , h =87 , x =4 , y =0 , v =783



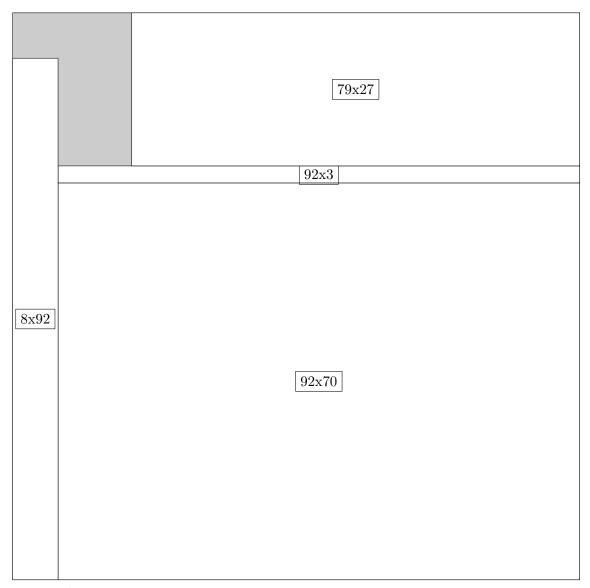
$$w = 62$$
,  $h = 52$ ,  $x = 38$ ,  $y = 0$ ,  $v = 3224$ 

$$w = 44$$
,  $h = 48$ ,  $x = 56$ ,  $y = 52$ ,  $v = 2112$ 

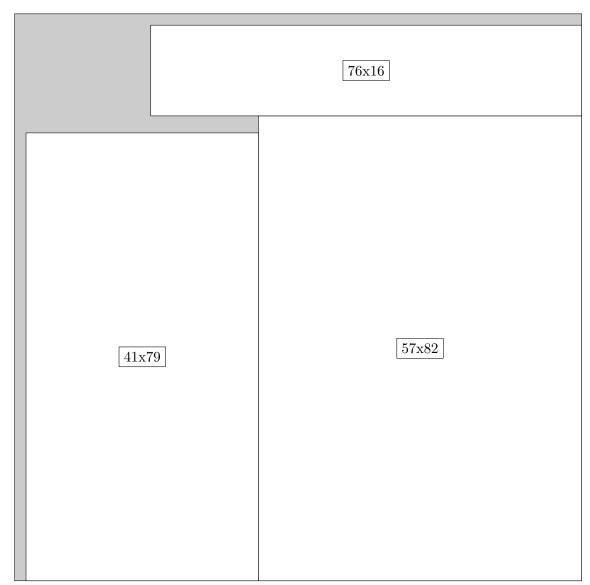
$$w$$
 =16 , h =47 , x =40 , y =52 , v =752

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

$$\le =30$$
 , h =21 , x =8 , y =74 , v =630



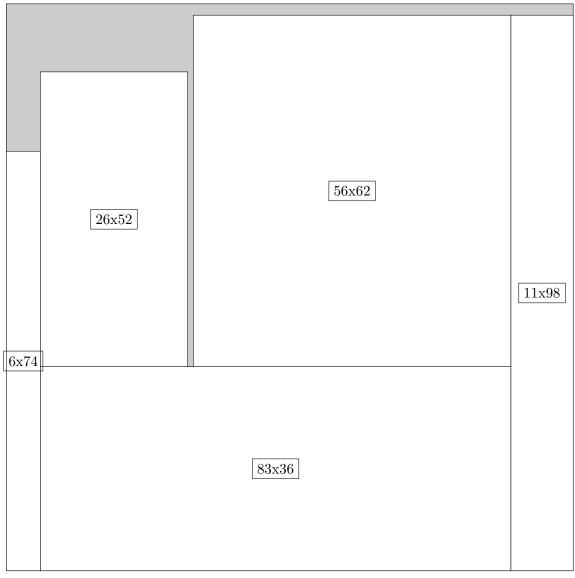
$$\begin{array}{l} w = 92 \ , \ h = 70 \ , \ x = 8 \ , \ y = 0 \ , \ v = 6440 \\ w = 92 \ , \ h = 3 \ , \ x = 8 \ , \ y = 70 \ , \ v = 276 \\ w = 79 \ , \ h = 27 \ , \ x = 21 \ , \ y = 73 \ , \ v = 2133 \\ w = 8 \ , \ h = 92 \ , \ x = 0 \ , \ y = 0 \ , \ v = 736 \end{array}$$



$$\le 57$$
 , h =82 , x =43 , y =0 , v =4674

$$\le =41$$
 , h =79 , x =2 , y =0 , v =3239

$$\le =76$$
 , h =16 , x =24 , y =82 , v =1216



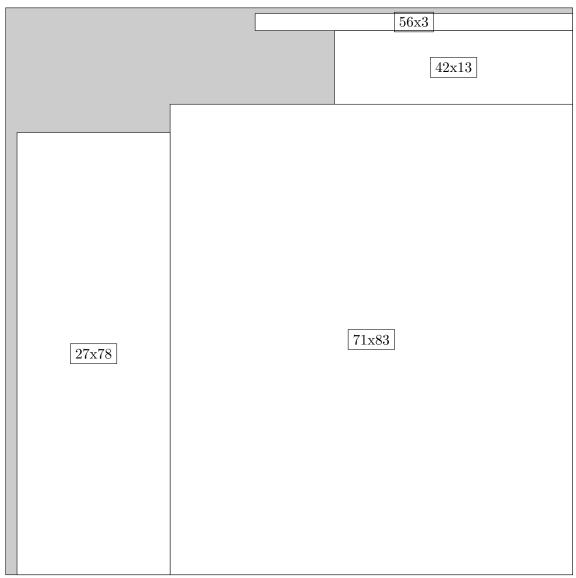
$$w$$
 =11 ,  $h$  =98 ,  $x$  =89 ,  $y$  =0 ,  $v$  =1078

$$\le =83$$
 ,  $h=36$  ,  $x=6$  ,  $y=0$  ,  $v=2988$ 

$$\le =56$$
 ,  $h=62$  ,  $x=33$  ,  $y=36$  ,  $v=3472$ 

$$\le =26$$
 ,  $h=52$  ,  $x=6$  ,  $y=36$  ,  $v=1352$ 

$$w = 6$$
,  $h = 74$ ,  $x = 0$ ,  $y = 0$ ,  $v = 444$ 

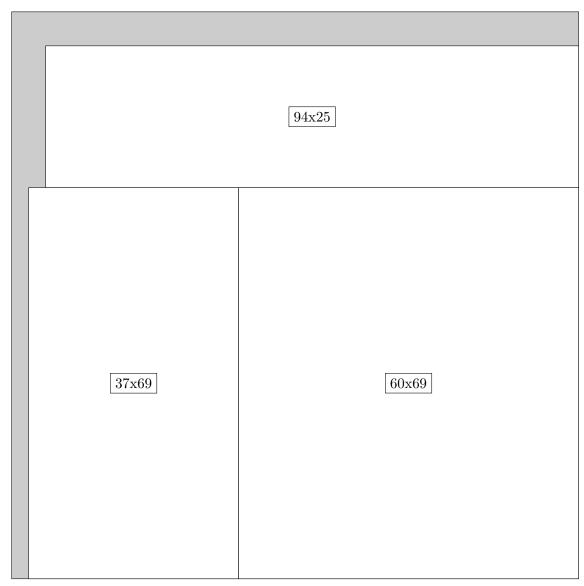


$$\le =71$$
 , h =83 , x =29 , y =0 , v =5893

$$\le =42$$
 ,  $h=13$  ,  $x=58$  ,  $y=83$  ,  $v=546$ 

$$\le =56$$
 , h =3 , x =44 , y =96 , v =168

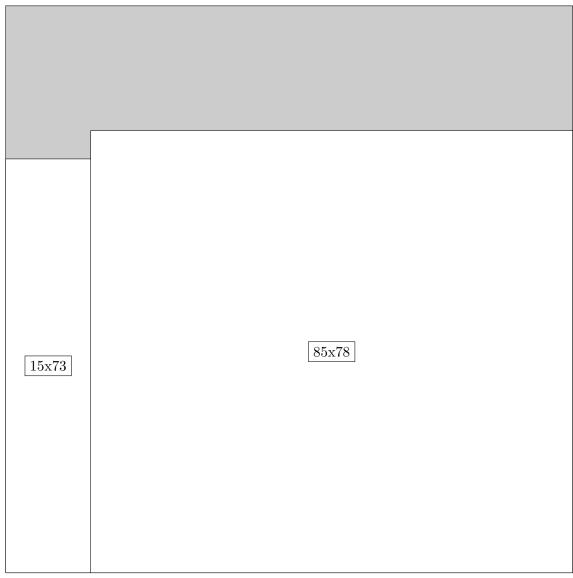
$$\mathbf{w}$$
 =27 , h =78 , x =2 , y =0 , v =2106



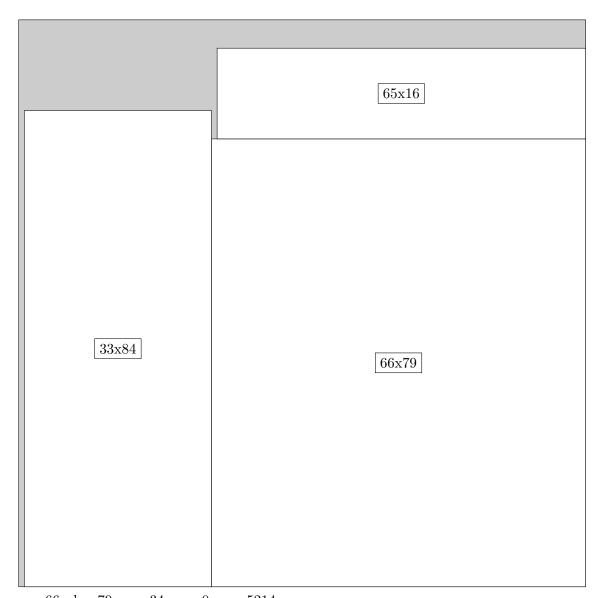
$$\mathbf{w}$$
 =60 , h =69 , x =40 , y =0 , v =4140

$$\le =37$$
 , h =69 , x =3 , y =0 , v =2553

$$\le =94$$
 , h =25 , x =6 , y =69 , v =2350

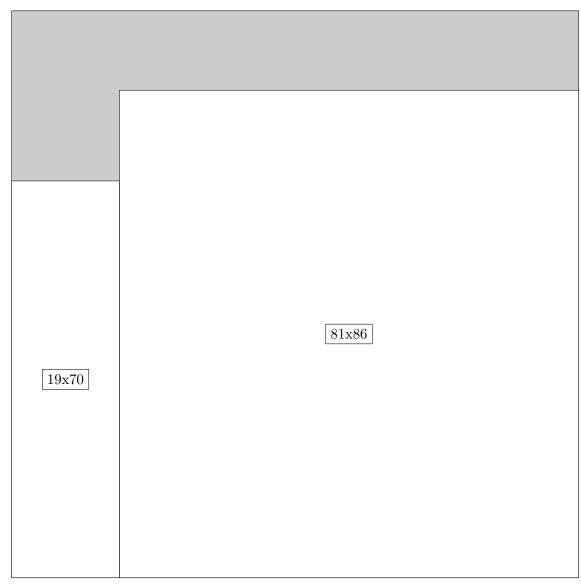


$$\begin{array}{l} w = \! 85 \ , \ h = \! 78 \ , \ x = \! 15 \ , \ y = \! 0 \ , \ v = \! 6630 \\ w = \! 15 \ , \ h = \! 73 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1095 \end{array}$$

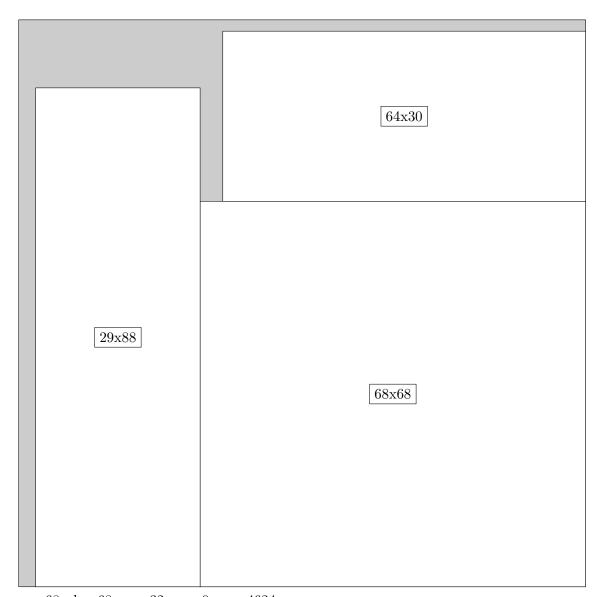


$$\begin{array}{l} w = \!\!66 \ , \, h = \!\!79 \ , \, x = \!\!34 \ , \, y = \!\!0 \ , \, v = \!\!5214 \\ w = \!\!65 \ , \, h = \!\!16 \ , \, x = \!\!35 \ , \, y = \!\!79 \ , \, v = \!\!1040 \end{array}$$

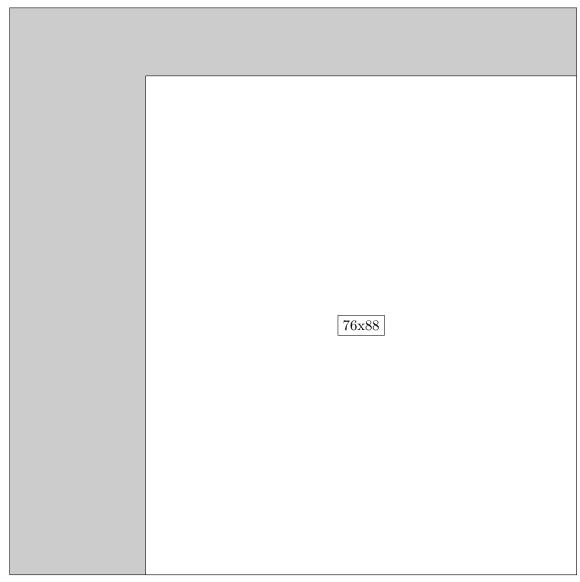
$$\le =33$$
 , h =84 , x =1 , y =0 , v =2772



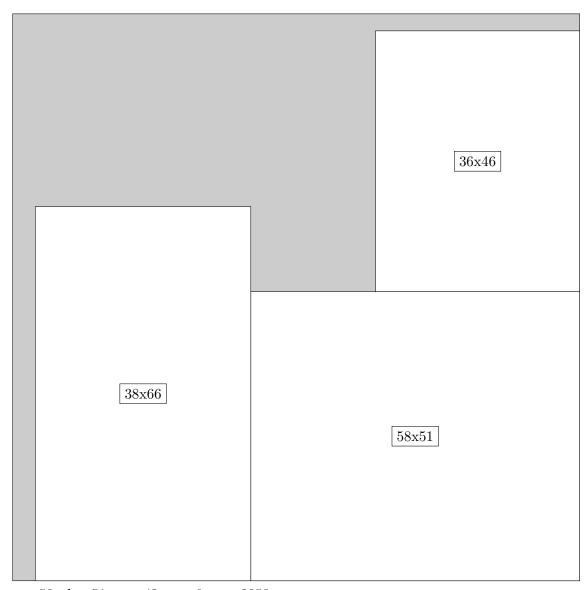
$$w$$
 =81 ,  $h$  =86 ,  $x$  =19 ,  $y$  =0 ,  $v$  =6966  $w$  =19 ,  $h$  =70 ,  $x$  =0 ,  $y$  =0 ,  $v$  =1330



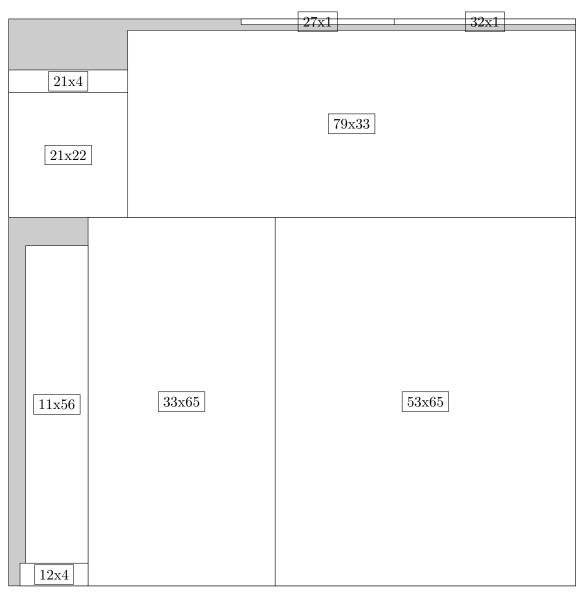
$$\begin{array}{l} w = 68 \ , \ h = 68 \ , \ x = 32 \ , \ y = 0 \ , \ v = 4624 \\ w = 64 \ , \ h = 30 \ , \ x = 36 \ , \ y = 68 \ , \ v = 1920 \\ w = 29 \ , \ h = 88 \ , \ x = 3 \ , \ y = 0 \ , \ v = 2552 \end{array}$$



 $\le =76$  , h =88 , x =24 , y =0 , v =6688



$$\begin{array}{l} w = \!\!58 \ , \ h = \!\!51 \ , \ x = \!\!42 \ , \ y = \!\!0 \ , \ v = \!\!2958 \\ w = \!\!36 \ , \ h = \!\!46 \ , \ x = \!\!64 \ , \ y = \!\!51 \ , \ v = \!\!1656 \\ w = \!\!38 \ , \ h = \!\!66 \ , \ x = \!\!4 \ , \ y = \!\!0 \ , \ v = \!\!2508 \end{array}$$



$$w = 53$$
,  $h = 65$ ,  $x = 47$ ,  $y = 0$ ,  $v = 3445$ 

$$w = 33$$
,  $h = 65$ ,  $x = 14$ ,  $y = 0$ ,  $v = 2145$ 

$$\mathbf{w}$$
 =12 , h =4 , x =2 , y =0 , v =48

$$w=\!11$$
 ,  $h=\!56$  ,  $x=\!3$  ,  $y=\!4$  ,  $v=\!616$ 

$$w$$
 =79 ,  $h$  =33 ,  $x$  =21 ,  $y$  =65 ,  $v$  =2607

$$\le =21$$
 ,  $h=22$  ,  $x=0$  ,  $y=65$  ,  $v=462$ 

$$w = 21$$
,  $h = 4$ ,  $x = 0$ ,  $y = 87$ ,  $v = 84$ 

$$w = 32$$
,  $h = 1$ ,  $x = 68$ ,  $y = 99$ ,  $v = 32$ 

$$w = 27$$
,  $h = 1$ ,  $x = 41$ ,  $y = 99$ ,  $v = 27$