$ClassName: \ Class\_05.2bp-25$ 

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>160000</u> InS: <u>138657</u> Rate: <u>0.867</u> UB: <u>16</u> LB0: <u>15</u>

LBWithCut:  $\underline{\bf 16}$ NodeCut:  $\underline{\bf 0}$ 

LB: **16** 

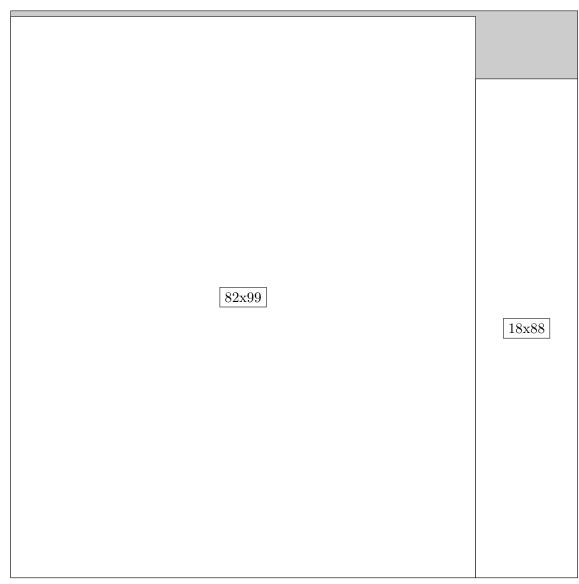
 $\operatorname{ExtendedNodeCnt}$ :  $\underline{\mathbf{1}}$ 

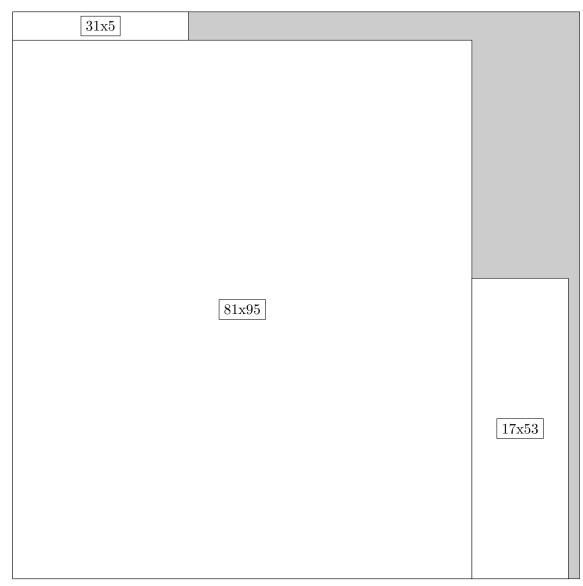
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{158}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{143}}$ PricingSolverCnt:  $\underline{\mathbf{143}}$ 

BranchAndBoundNum:  $\underline{\mathbf{1}}$  isOpt:  $\underline{\mathbf{true}}$ 

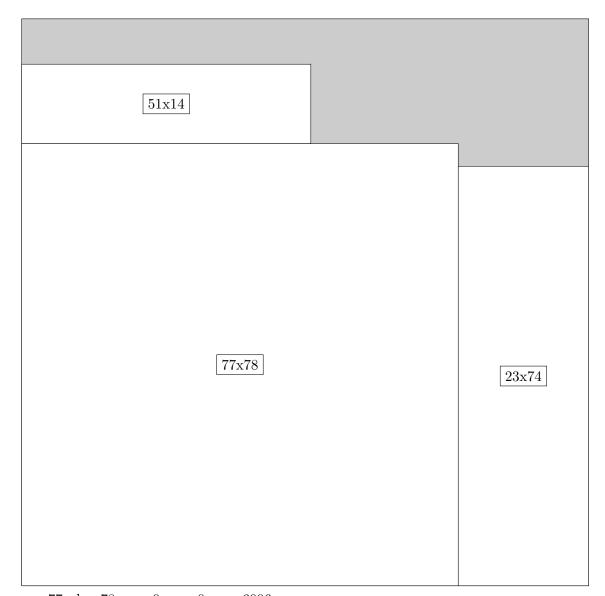
TimeOnInitSolution:  $\underline{120.010 \text{ s}}$ 

TimeOnPrimal:  $\underline{0.000 \text{ s}}$ TimeOnPricing:  $\underline{236.157 \text{ s}}$ TimeOnRmp:  $\underline{0.133 \text{ s}}$ TotalTime:  $\underline{356.464 \text{ s}}$ 



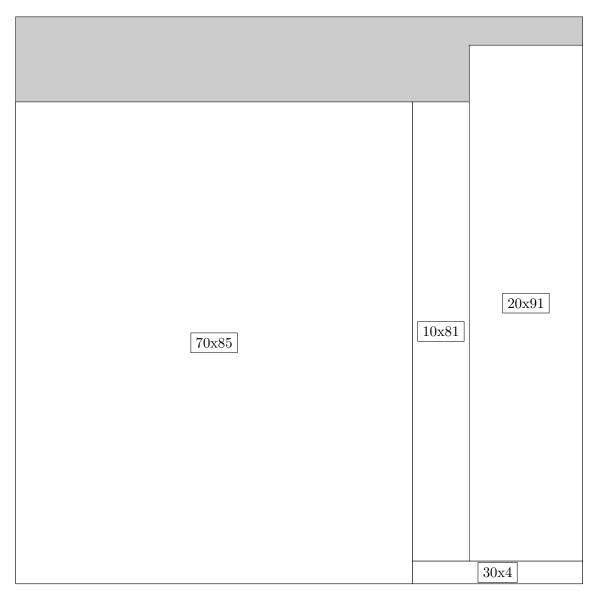


$$\begin{array}{l} w = \! 81 \; , \; h = \! 95 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7695 \\ w = \! 17 \; , \; h = \! 53 \; , \; x = \! 81 \; , \; y = \! 0 \; , \; v = \! 901 \\ w = \! 31 \; , \; h = \! 5 \; , \; x = \! 0 \; , \; y = \! 95 \; , \; v = \! 155 \end{array}$$



$$\begin{array}{l} w = \!\!\! 77 \ , \ h = \!\!\! 78 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 6006 \\ w = \!\!\! 23 \ , \ h = \!\!\! 74 \ , \ x = \!\!\! 77 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 1702 \end{array}$$

$$w = 51$$
,  $h = 14$ ,  $x = 0$ ,  $y = 78$ ,  $v = 714$ 

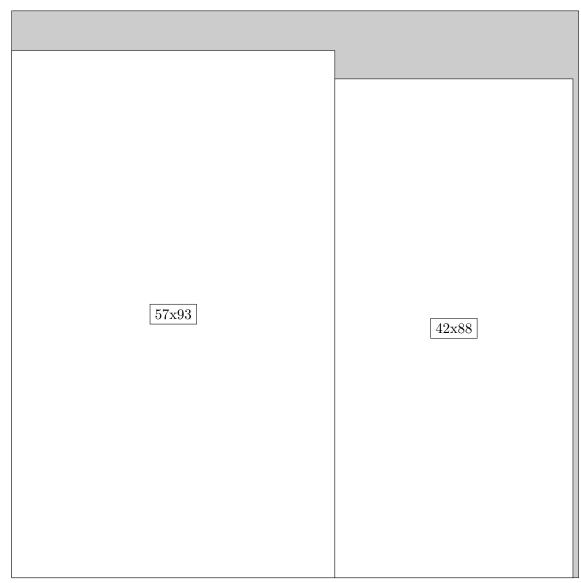


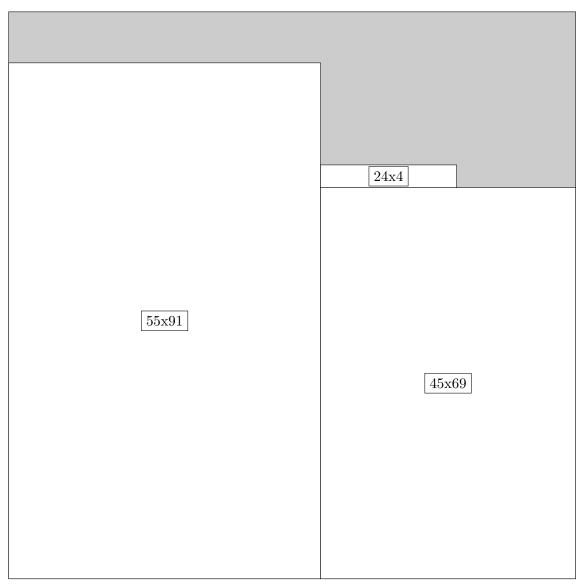
$$w$$
 =70 ,  $h$  =85 ,  $x$  =0 ,  $y$  =0 ,  $v$  =5950

$$w$$
 =20 ,  $h$  =91 ,  $x$  =80 ,  $y$  =4 ,  $v$  =1820

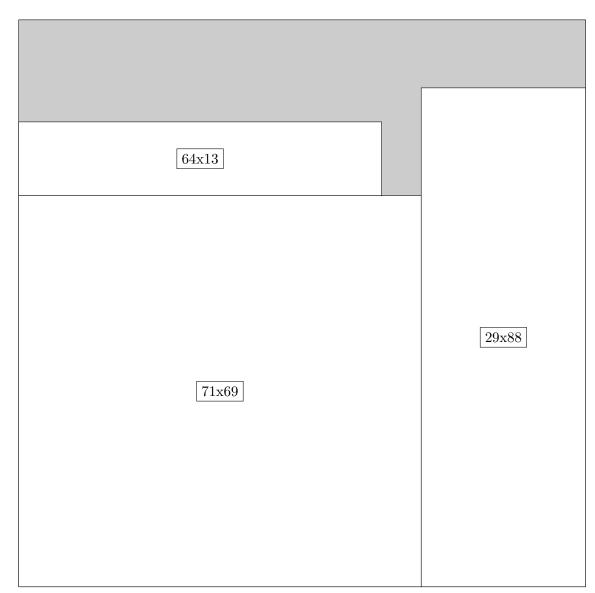
$$\le =10$$
 , h =81 , x =70 , y =4 , v =810

$$\mathbf{w}$$
 =30 , h =4 , x =70 , y =0 , v =120





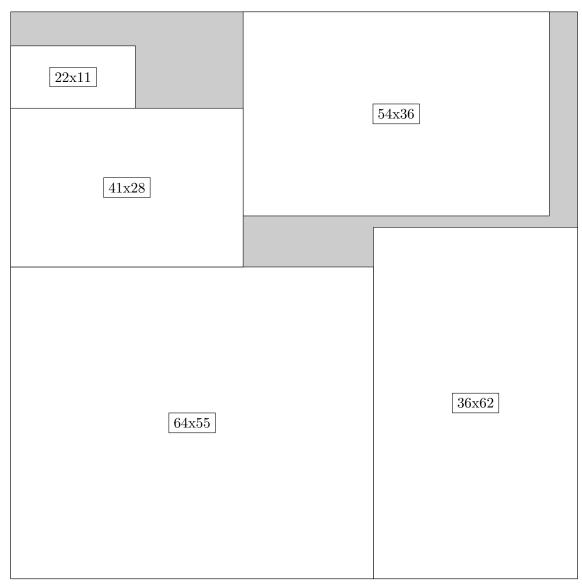
$$\begin{array}{l} w = \! 55 \ , \ h = \! 91 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5005 \\ w = \! 45 \ , \ h = \! 69 \ , \ x = \! 55 \ , \ y = \! 0 \ , \ v = \! 3105 \\ w = \! 24 \ , \ h = \! 4 \ , \ x = \! 55 \ , \ y = \! 69 \ , \ v = \! 96 \end{array}$$



$$\mathbf{w}$$
 =71 , h =69 , x =0 , y =0 , v =4899

$$\le =29$$
 , h =88 , x =71 , y =0 , v =2552

$$\le =64$$
 , h =13 , x =0 , y =69 , v =832



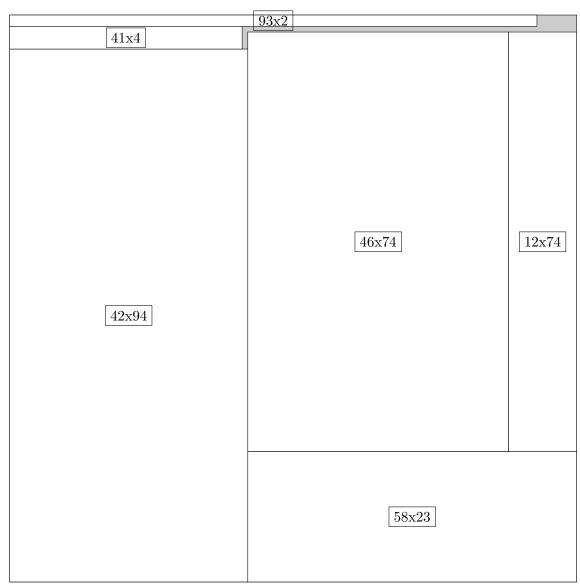
$$w = 64$$
,  $h = 55$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3520$ 

$$\le =36$$
 ,  $h=62$  ,  $x=64$  ,  $y=0$  ,  $v=2232$ 

$$\le =54$$
 , h =36 , x =41 , y =64 , v =1944

$$\mathbf{w}$$
 =41 , h =28 , x =0 , y =55 , v =1148

$$\le =22$$
 ,  $h$  =11 ,  $x$  =0 ,  $y$  =83 ,  $v$  =242



$$w = 42$$
,  $h = 94$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3948$ 

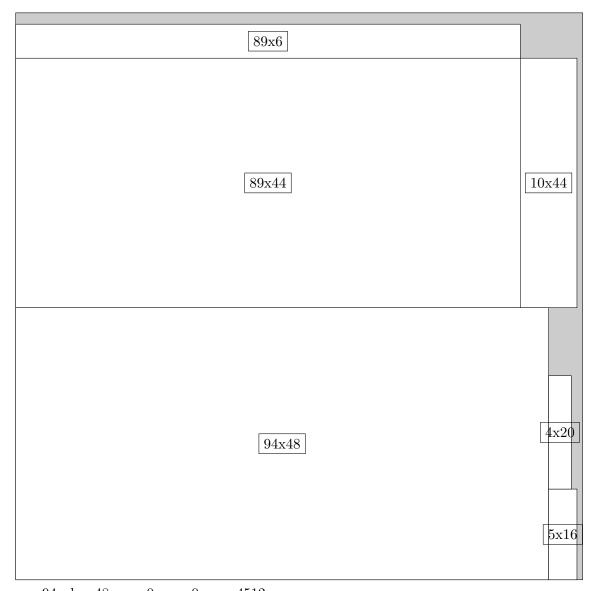
$$\le =46$$
 , h =74 , x =42 , y =23 , v =3404

$$\le =58$$
 , h =23 , x =42 , y =0 , v =1334

$$w$$
 =12 , h =74 , x =88 , y =23 , v =888

$$w = 93$$
,  $h = 2$ ,  $x = 0$ ,  $y = 98$ ,  $v = 186$ 

$$\mathbf{w}$$
 =41 , h =4 , x =0 , y =94 , v =164



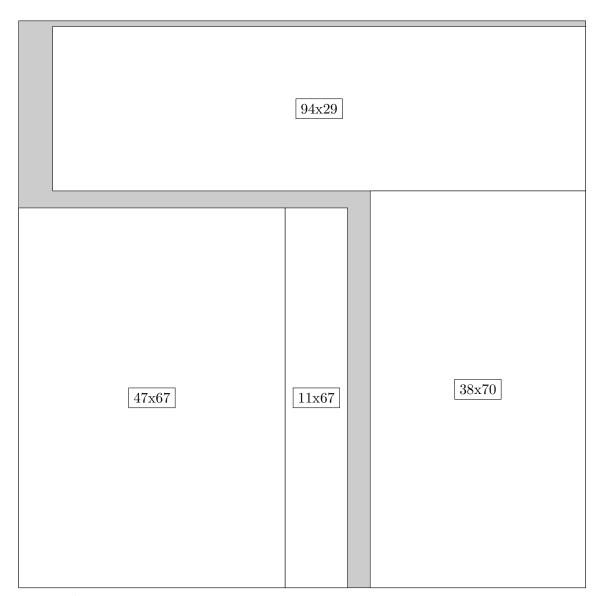
$$\begin{array}{l} w = \! 94 \; , \; h = \! 48 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4512 \\ w = \! 89 \; , \; h = \! 44 \; , \; x = \! 0 \; , \; y = \! 48 \; , \; v = \! 3916 \\ \end{array}$$

$$\le =89$$
 , h =6 , x =0 , y =92 , v =534

$$w$$
 =10 ,  $h$  =44 ,  $x$  =89 ,  $y$  =48 ,  $v$  =440

$$w$$
 =5 , h =  
16 , x =94 , y =0 , v =  
80

$$w = 4$$
,  $h = 20$ ,  $x = 94$ ,  $y = 16$ ,  $v = 80$ 

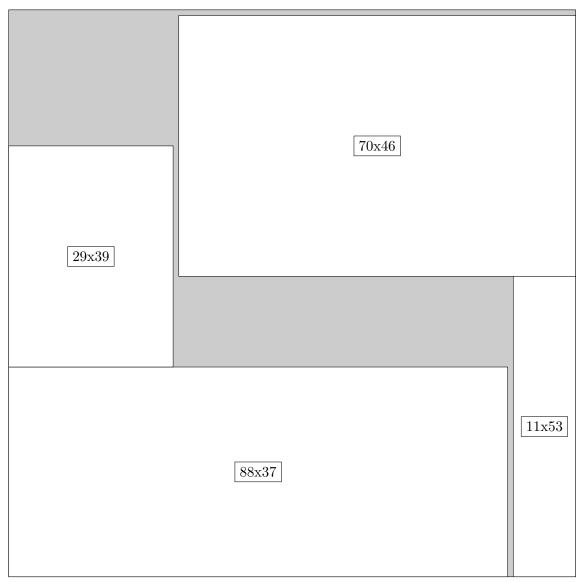


$$\le =47$$
 ,  $h$  =67 ,  $x$  =0 ,  $y$  =0 ,  $v$  =3149

$$\le =94$$
 , h =29 , x =6 , y =70 , v =2726

$$\le =38$$
 , h =70 , x =62 , y =0 , v =2660

$$\mathbf{w}$$
 =11 , h =67 , x =47 , y =0 , v =737

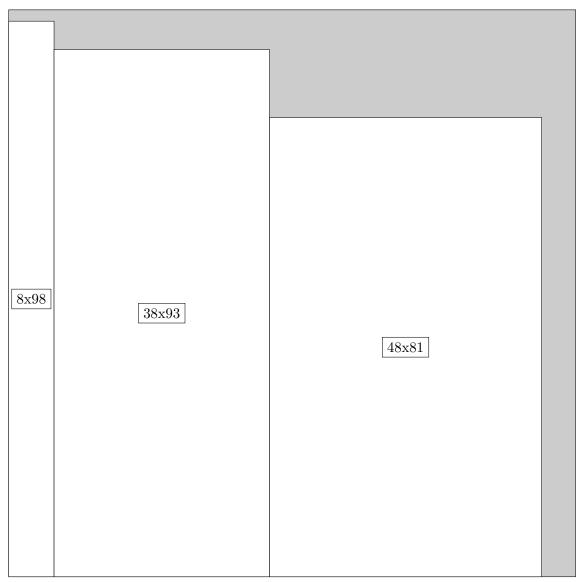


$$\le =88$$
 , h =37 , x =0 , y =0 , v =3256

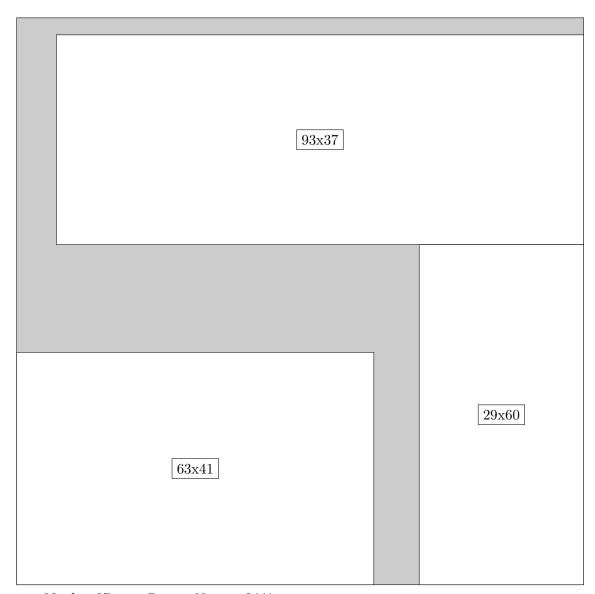
$$w$$
 =70 , h =46 , x =30 , y =53 , v =3220

$$\le =29$$
 , h =39 , x =0 , y =37 , v =1131

$$\mathbf{w}$$
 =11 , h =53 , x =89 , y =0 , v =583



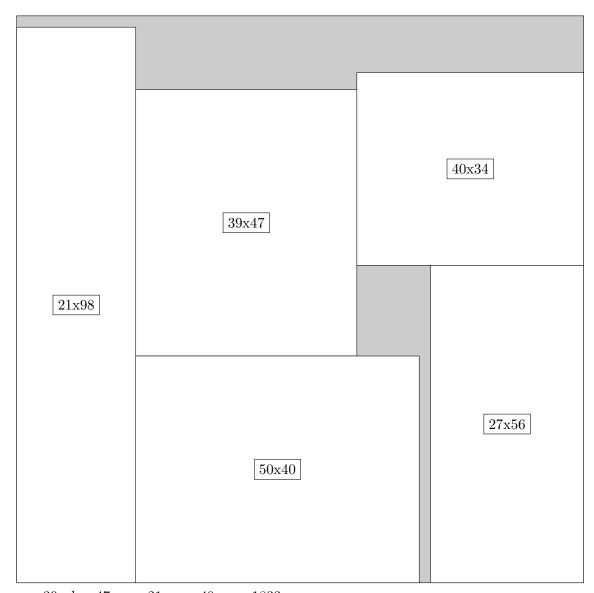
 $\begin{array}{l} w = \! 48 \ , \ h = \! 81 \ , \ x = \! 46 \ , \ y = \! 0 \ , \ v = \! 3888 \\ w = \! 8 \ , \ h = \! 98 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 784 \\ w = \! 38 \ , \ h = \! 93 \ , \ x = \! 8 \ , \ y = \! 0 \ , \ v = \! 3534 \end{array}$ 



$$\le =93$$
 , h =37 , x =7 , y =60 , v =3441

$$\le =63$$
 , h =41 , x =0 , y =0 , v =2583

$$\le =29$$
 , h =60 , x =71 , y =0 , v =1740



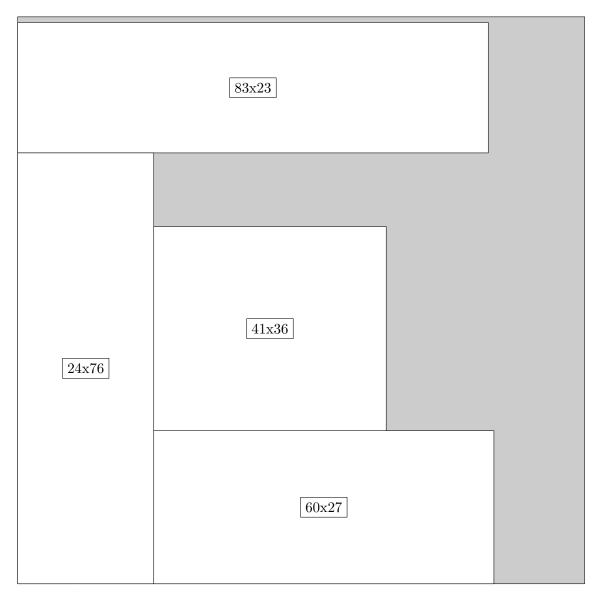
$$\le =39$$
 , h =47 , x =21 , y =40 , v =1833

$$w=\!21$$
 ,  $h=\!98$  ,  $x=\!0$  ,  $y=\!0$  ,  $v=\!2058$ 

$$\le =50$$
 , h =40 , x =21 , y =0 , v =2000

$$\le =27$$
 , h =56 , x =73 , y =0 , v =1512

$$\le =40$$
 , h =34 , x =60 , y =56 , v =1360



$$\le =83$$
 , h =23 , x =0 , y =76 , v =1909

$$\le =24$$
 ,  $h$  =76 ,  $x$  =0 ,  $y$  =0 ,  $v$  =1824

$$\le =60$$
 , h =27 , x =24 , y =0 , v =1620

$$\le =41$$
 , h =36 , x =24 , y =27 , v =1476