$ClassName: \ Class\_08.2bp-46$ 

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

TypeNum: <u>97</u> Num: <u>100</u> OutS: <u>260000</u> InS: <u>225820</u> Rate: <u>0.869</u> UB: <u>26</u> LB0: <u>25</u> LB: <u>26</u>

LBWithCut:  $\underline{\mathbf{26}}$  NodeCut:  $\underline{\mathbf{0}}$ 

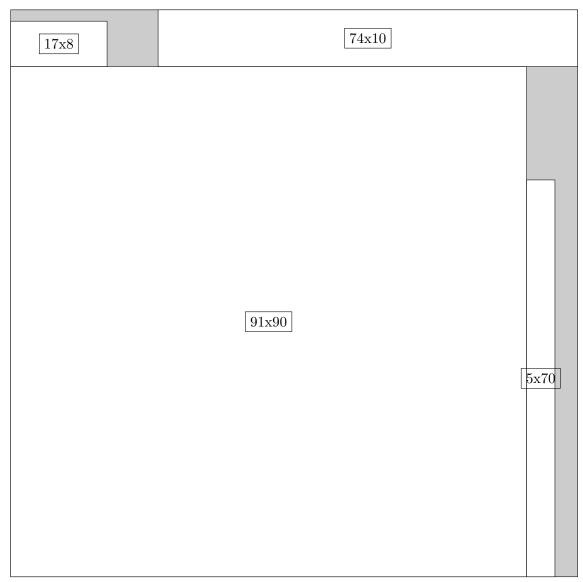
 $\operatorname{ExtendedNodeCnt}$ :  $\underline{\mathbf{1}}$ 

GenNodeCnt: 1
PrimalNode: 0
ColumnCount: 255
TotalCutCount: 0
RootCutCount: 0
LPSolverCnt: 230
PricingSolverCnt: 230
BranchAndBoundNum: 1

isOpt: **true** 

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

TimeOnPrimal:  $\underline{0.000 \text{ s}}$ TimeOnPricing:  $\underline{98.214 \text{ s}}$ TimeOnRmp:  $\underline{0.198 \text{ s}}$ TotalTime:  $\underline{218.578 \text{ s}}$ 



 $\begin{array}{l} w = \! 91 \ , \ h = \! 90 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 8190 \\ w = \! 74 \ , \ h = \! 10 \ , \ x = \! 26 \ , \ y = \! 90 \ , \ v = \! 740 \\ w = \! 5 \ , \ h = \! 70 \ , \ x = \! 91 \ , \ y = \! 0 \ , \ v = \! 350 \\ w = \! 17 \ , \ h = \! 8 \ , \ x = \! 0 \ , \ y = \! 90 \ , \ v = \! 136 \end{array}$ 

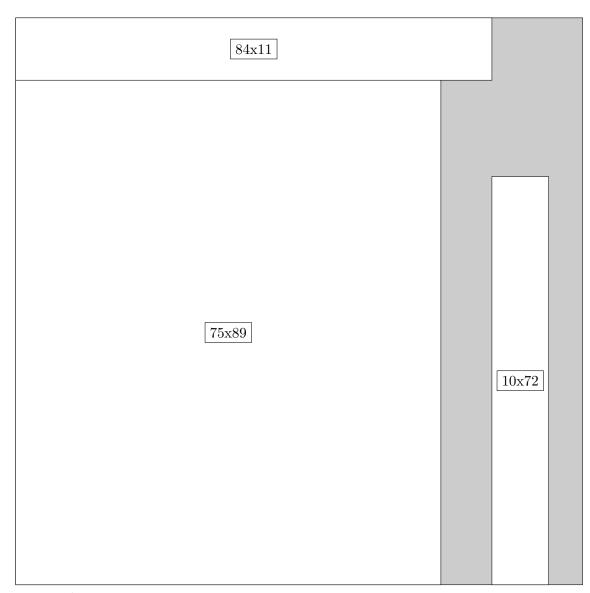
74x3 74x5	
74x92	22x72

$$\begin{array}{l} w = \!\!\!\! 74 \ , \ h = \!\!\!\! 92 \ , \ x = \!\!\!\! 0 \ , \ y = \!\!\!\! 0 \ , \ v = \!\!\!\! 6808 \\ w = \!\!\!\! 22 \ , \ h = \!\!\!\! 72 \ , \ x = \!\!\!\! 74 \ , \ y = \!\!\!\! 0 \ , \ v = \!\!\!\! 1584 \end{array}$$

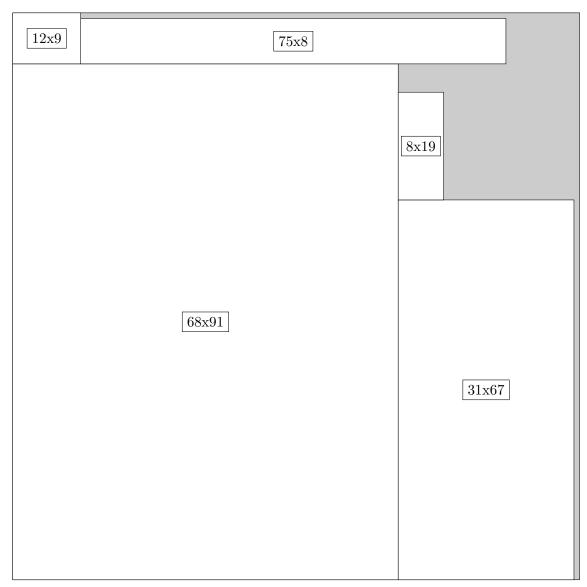
$$w = 74$$
,  $h = 5$ ,  $x = 0$ ,  $y = 92$ ,  $v = 370$ 

$$w = 74$$
,  $h = 5$ ,  $x = 0$ ,  $y = 92$ ,  $v = 370$ 

$$\le =74$$
 , h =3 , x =0 , y =97 , v =222



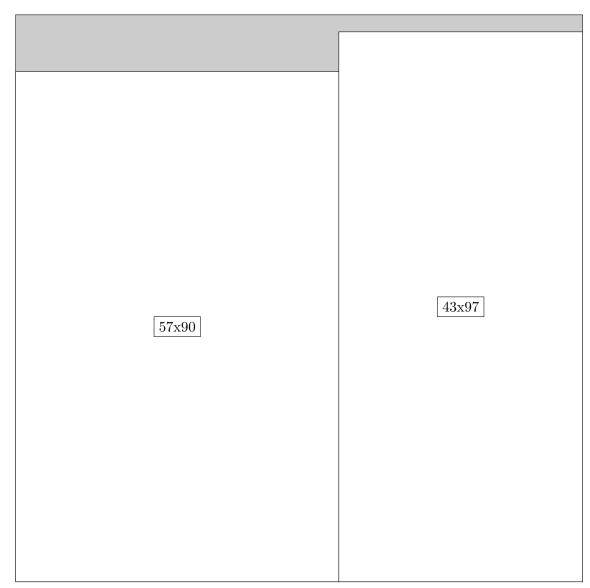
$$\begin{array}{l} w = \! 75 \ , \ h = \! 89 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6675 \\ w = \! 84 \ , \ h = \! 11 \ , \ x = \! 0 \ , \ y = \! 89 \ , \ v = \! 924 \\ w = \! 10 \ , \ h = \! 72 \ , \ x = \! 84 \ , \ y = \! 0 \ , \ v = \! 720 \end{array}$$

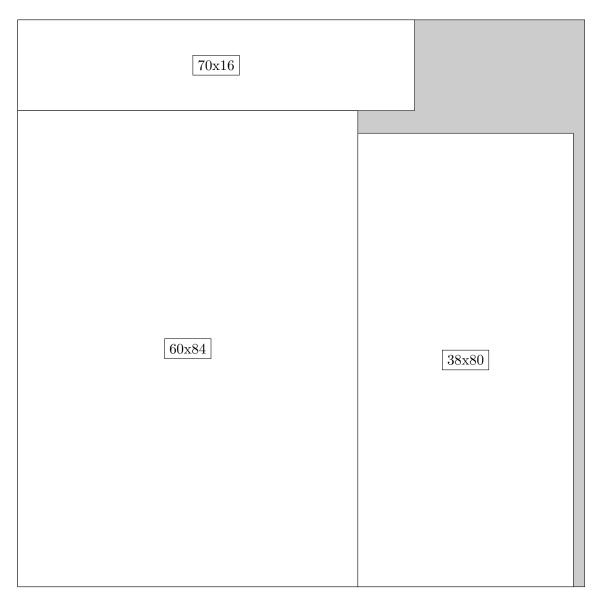


 $\begin{array}{l} w = \!68 \;,\; h = \!91 \;,\; x = \!0 \;,\; y = \!0 \;,\; v = \!6188 \\ w = \!31 \;,\; h = \!67 \;,\; x = \!68 \;,\; y = \!0 \;,\; v = \!2077 \\ w = \!75 \;,\; h = \!8 \;,\; x = \!12 \;,\; y = \!91 \;,\; v = \!600 \\ w = \!8 \;,\; h = \!19 \;,\; x = \!68 \;,\; y = \!67 \;,\; v = \!152 \\ w = \!12 \;,\; h = \!9 \;,\; x = \!0 \;,\; y = \!91 \;,\; v = \!108 \end{array}$ 

86x30		
	24. 60	
76x68	24x69	

$$\le =24$$
 , h =69 , x =76 , y =0 , v =1656

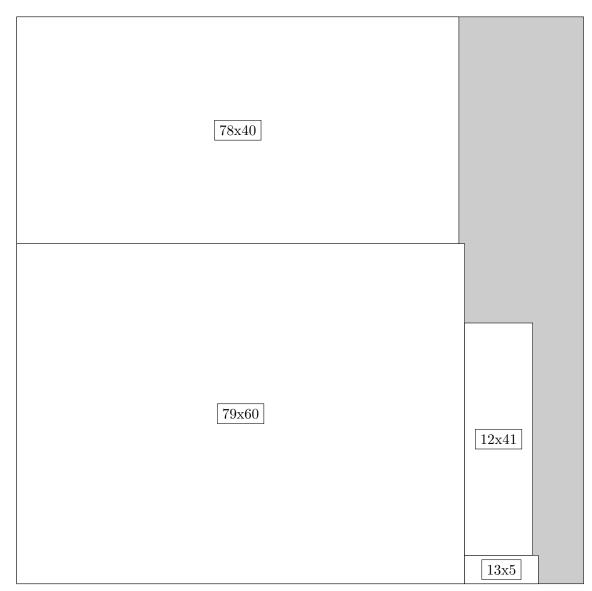




$$w = 60$$
,  $h = 84$ ,  $x = 0$ ,  $y = 0$ ,  $v = 5040$ 

$$\le =38$$
 ,  $h$  =80 ,  $x$  =60 ,  $y$  =0 ,  $v$  =3040

$$\le =70$$
 , h =16 , x =0 , y =84 , v =1120

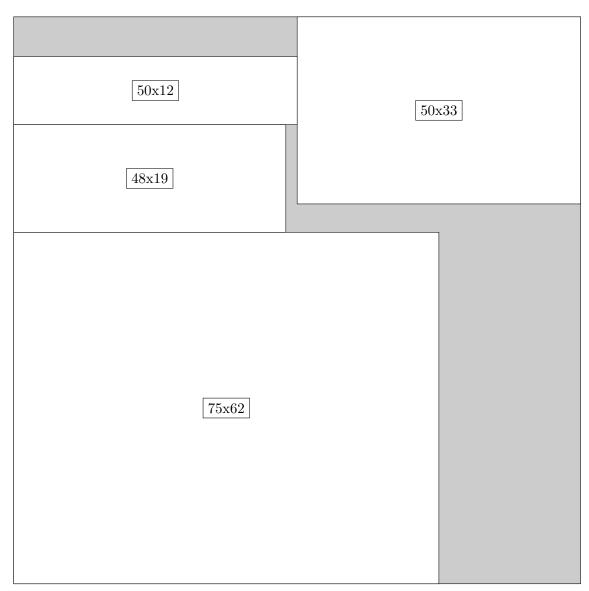


$$\mathbf{w}$$
 =79 , h =60 , x =0 , y =0 , v =4740

$$\le =78$$
 , h =40 , x =0 , y =60 , v =3120

$$\le =12$$
 , h =41 , x =79 , y =5 , v =492

$$\mathbf{w}$$
 =13 , h =5 , x =79 , y =0 , v =65

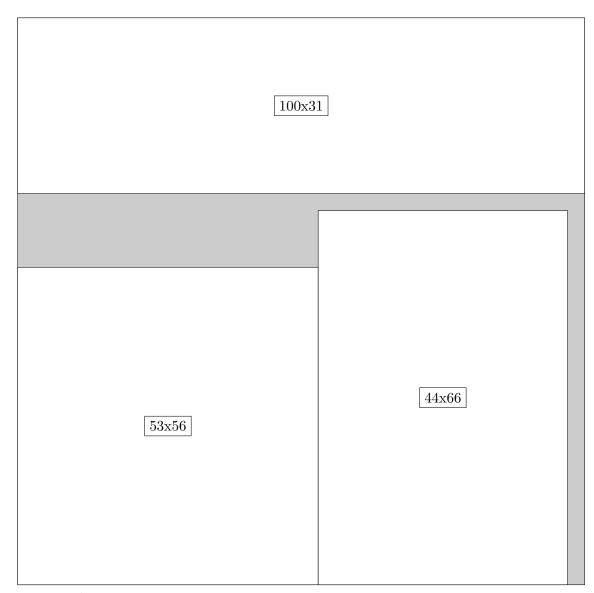


$$\mathbf{w}$$
 =75 ,  $\mathbf{h}$  =62 ,  $\mathbf{x}$  =0 ,  $\mathbf{y}$  =0 ,  $\mathbf{v}$  =4650

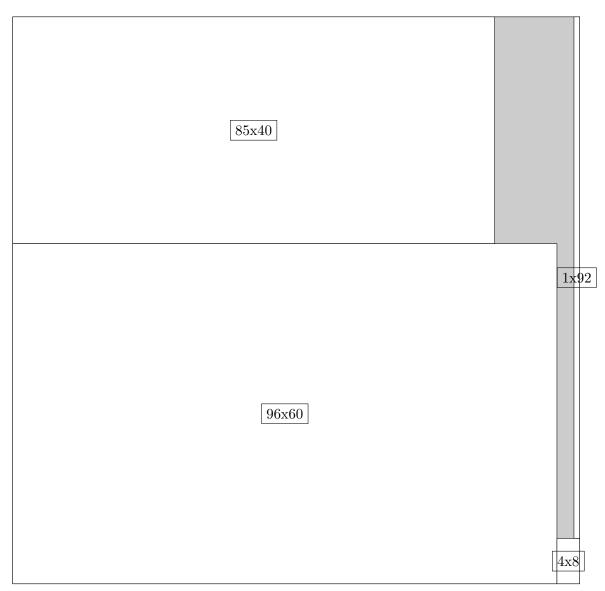
$$w = 50$$
,  $h = 33$ ,  $x = 50$ ,  $y = 67$ ,  $v = 1650$ 

$$w$$
 =48 ,  $h$  =19 ,  $x$  =0 ,  $y$  =62 ,  $v$  =912

$$w$$
 =50 , h =12 , x =0 , y =81 , v =600



$$\begin{array}{l} w = \! 100 \; , \; h = \! 31 \; , \; x = \! 0 \; , \; y = \! 69 \; , \; v = \! 3100 \\ w = \! 53 \; , \; h = \! 56 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 2968 \\ w = \! 44 \; , \; h = \! 66 \; , \; x = \! 53 \; , \; y = \! 0 \; , \; v = \! 2904 \end{array}$$

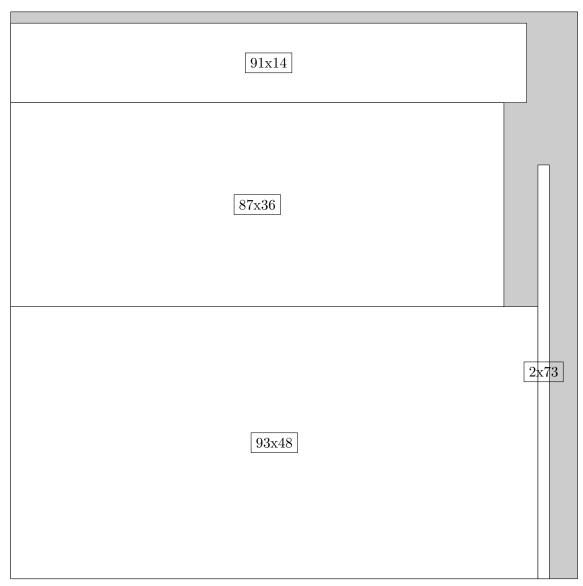


$$\begin{array}{l} w = \!\!85 \ , \ h = \!\!40 \ , \ x = \!\!0 \ , \ y = \!\!60 \ , \ v = \!\!3400 \\ w = \!\!96 \ , \ h = \!\!60 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!5760 \\ \end{array}$$

$$\mathbf{w}$$
 =1 , h =92 , x =99 , y =8 , v =92

$$w = 1$$
,  $h = 92$ ,  $x = 99$ ,  $y = 8$ ,  $v = 92$ 

$$\mathbf{w}$$
 =4 , h =8 , x =96 , y =0 , v =32

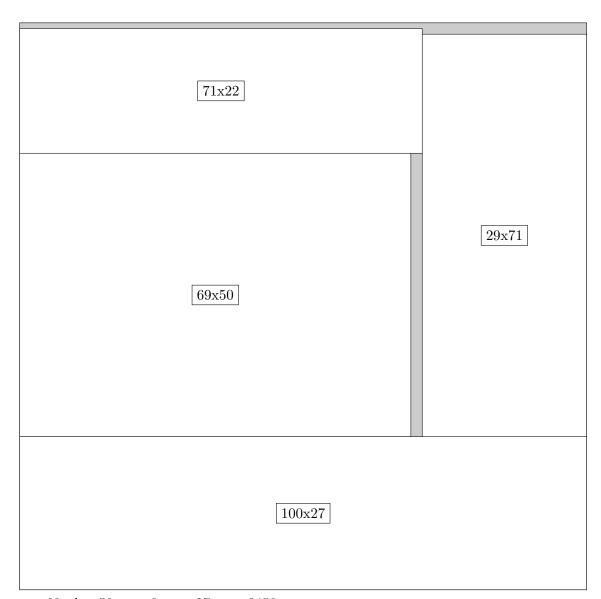


$$w = 93$$
,  $h = 48$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4464$ 

$$w = 87$$
,  $h = 36$ ,  $x = 0$ ,  $y = 48$ ,  $v = 3132$ 

$$\le =91$$
 ,  $h=14$  ,  $x=0$  ,  $y=84$  ,  $v=1274$ 

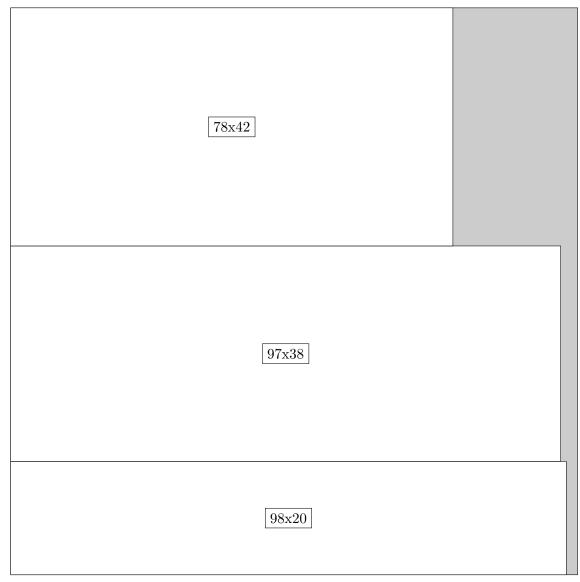
$$\mathbf{w}$$
 =2 , h =73 , x =93 , y =0 , v =146



$$w = 69$$
,  $h = 50$ ,  $x = 0$ ,  $y = 27$ ,  $v = 3450$   
 $w = 100$ ,  $h = 27$ ,  $x = 0$ ,  $y = 0$ ,  $v = 2700$ 

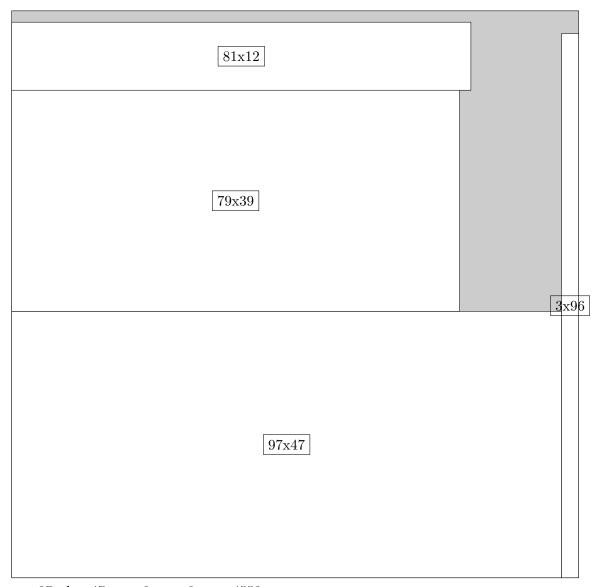
$$\le =29$$
 , h =71 , x =71 , y =27 , v =2059

$$\le =71$$
 , h =22 , x =0 , y =77 , v =1562



$$\begin{array}{l} w = \! 98 \; , \; h = \! 20 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 1960 \\ w = \! 97 \; , \; h = \! 38 \; , \; x = \! 0 \; , \; y = \! 20 \; , \; v = \! 3686 \end{array}$$

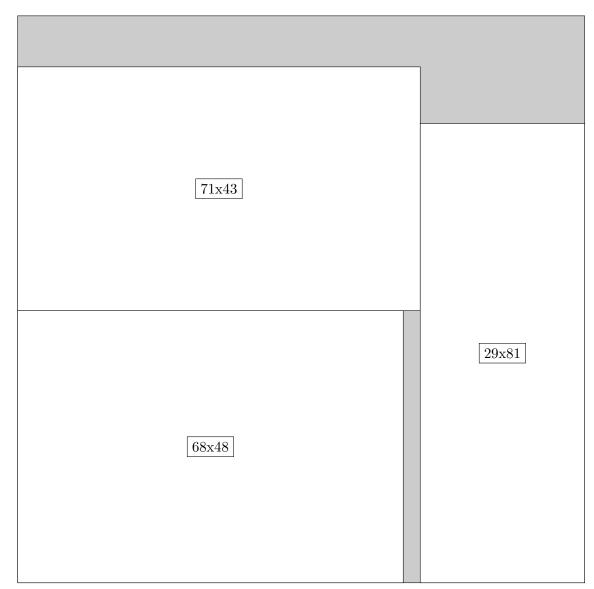
$$\le -78$$
 , h =42 , x =0 , y =58 , v =3276



$$\begin{array}{l} w = \! 97 \ , \ h = \! 47 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4559 \\ w = \! 79 \ , \ h = \! 39 \ , \ x = \! 0 \ , \ y = \! 47 \ , \ v = \! 3081 \end{array}$$

$$\le =81$$
 , h =12 , x =0 , y =86 , v =972

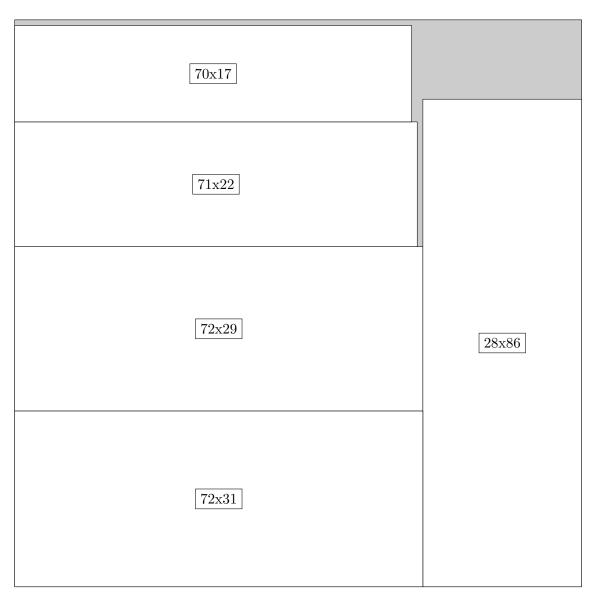
$$\mathbf{w}$$
 =3 , h =96 , x =97 , y =0 , v =288



$$w = 68$$
,  $h = 48$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3264$ 

$$\le =71$$
 , h =43 , x =0 , y =48 , v =3053

$$\le =29$$
 , h =81 , x =71 , y =0 , v =2349



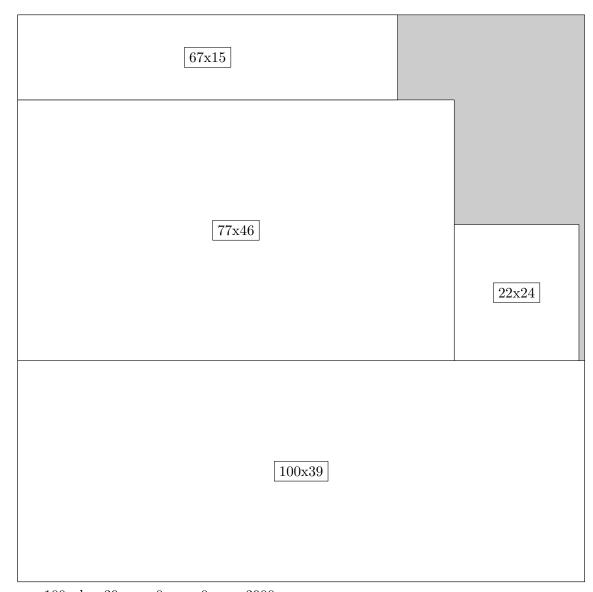
$$w = 72$$
,  $h = 29$ ,  $x = 0$ ,  $y = 31$ ,  $v = 2088$ 

$$\le =28$$
 , h =86 , x =72 , y =0 , v =2408

$$\le =72$$
 , h =31 , x =0 , y =0 , v =2232

$$\le =71$$
 , h =22 , x =0 , y =60 , v =1562

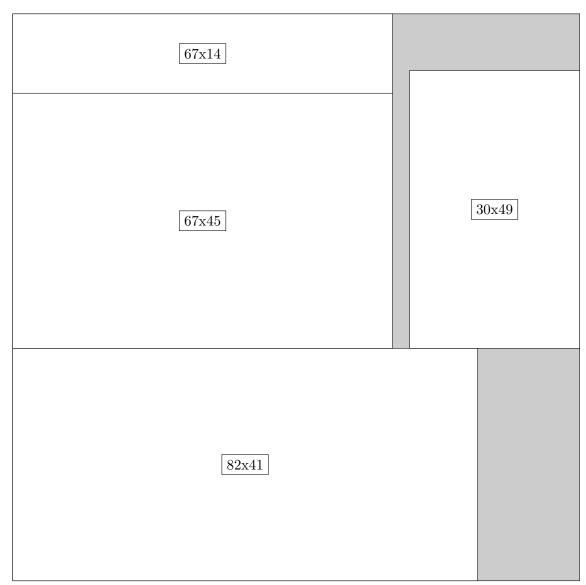
$$\le =70$$
 ,  $h=17$  ,  $x=0$  ,  $y=82$  ,  $v=1190$ 



$$\begin{array}{l} w = \! 100 \ , \ h = \! 39 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3900 \\ w = \! 77 \ , \ h = \! 46 \ , \ x = \! 0 \ , \ y = \! 39 \ , \ v = \! 3542 \end{array}$$

$$w = 67$$
,  $h = 15$ ,  $x = 0$ ,  $y = 85$ ,  $v = 1005$ 

$$w = 22$$
,  $h = 24$ ,  $x = 77$ ,  $y = 39$ ,  $v = 528$ 

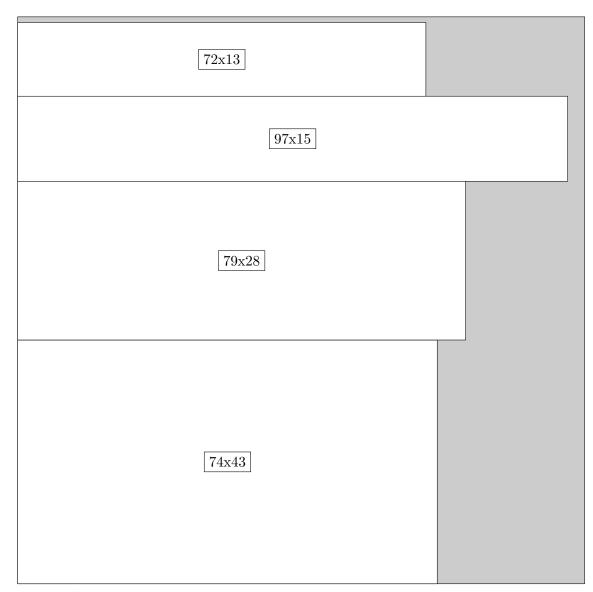


$$\le =82$$
 ,  $h=41$  ,  $x=0$  ,  $y=0$  ,  $v=3362$ 

$$\le =67$$
 , h =45 , x =0 , y =41 , v =3015

$$\le =30$$
 , h =49 , x =70 , y =41 , v =1470

$$\le =67$$
 ,  $h=14$  ,  $x=0$  ,  $y=86$  ,  $v=938$ 

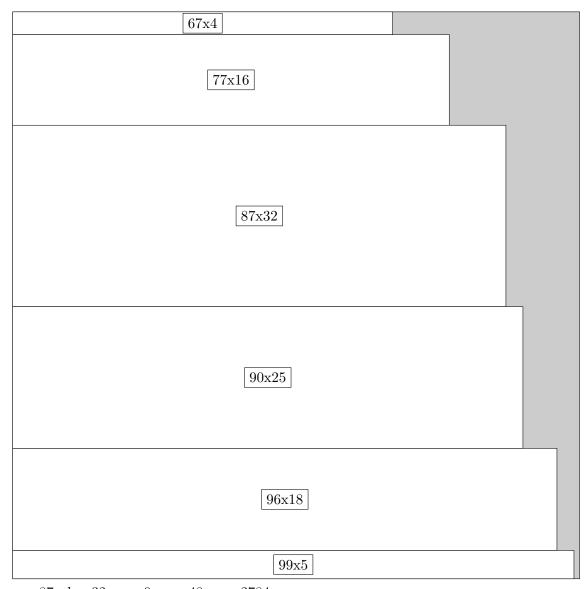


$$\mathbf{w}$$
 =74 , h =43 , x =0 , y =0 , v =3182

$$\le =79$$
 , h =28 , x =0 , y =43 , v =2212

$$\le =97$$
 , h =15 , x =0 , y =71 , v =1455

$$\le =72$$
 , h =13 , x =0 , y =86 , v =936



$$\le =87$$
 , h =32 , x =0 , y =48 , v =2784

$$\le =90$$
 ,  $h=25$  ,  $x=0$  ,  $y=23$  ,  $v=2250$ 

$$\le =77$$
 , h =16 , x =0 , y =80 , v =1232

$$\le =96$$
 , h =18 , x =0 , y =5 , v =1728

$$\le =99$$
 ,  $h=5$  ,  $x=0$  ,  $y=0$  ,  $v=495$ 

$$\mathbf{w}$$
 =67 , h =4 , x =0 , y =96 , v =268



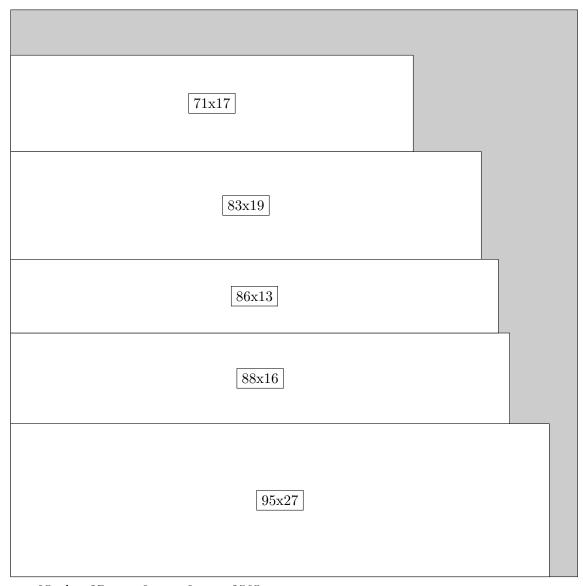
$$\le =89$$
 , h =46 , x =0 , y =18 , v =4094

$$\le =79$$
 , h =36 , x =0 , y =64 , v =2844

$$\le =96$$
 , h =18 , x =0 , y =0 , v =1728



$$\begin{array}{l} w = \! 95 \ , \ h = \! 41 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3895 \\ w = \! 87 \ , \ h = \! 36 \ , \ x = \! 0 \ , \ y = \! 41 \ , \ v = \! 3132 \end{array}$$



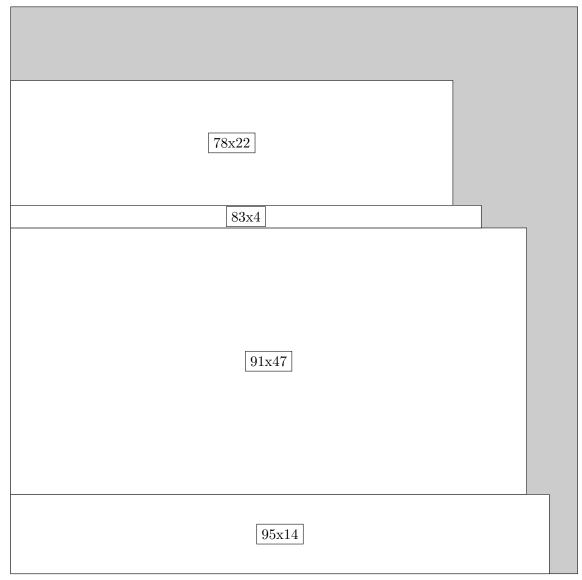
$$\le =95$$
 , h =27 , x =0 , y =0 , v =2565

$$\le =83$$
 ,  $h$  =19 ,  $x$  =0 ,  $y$  =56 ,  $v$  =1577

$$\le =88$$
 ,  $h$  =16 ,  $x$  =0 ,  $y$  =27 ,  $v$  =1408

$$\mathbf{w}$$
 =71 , h =17 , x =0 , y =75 , v =1207

$$\le =86$$
 ,  $h$  =13 ,  $x$  =0 ,  $y$  =43 ,  $v$  =1118

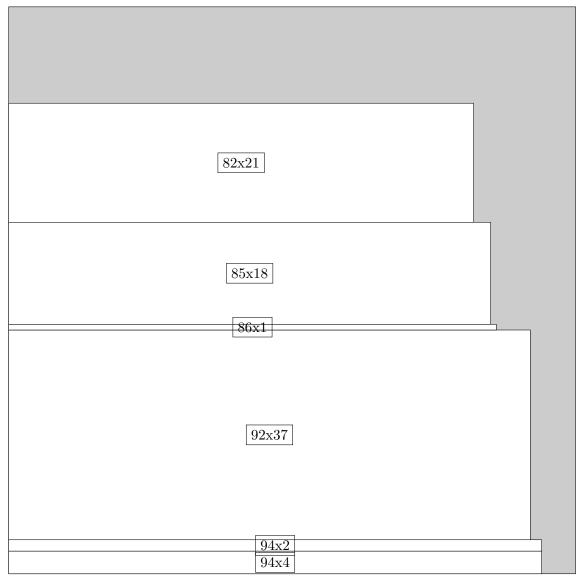


$$\le =91$$
 , h =47 , x =0 , y =14 , v =4277

$$\le -78$$
 , h =22 , x =0 , y =65 , v =1716

$$\le =95$$
 , h =14 , x =0 , y =0 , v =1330

$$\le =83$$
 , h =4 , x =0 , y =61 , v =332



$$w = 92$$
,  $h = 37$ ,  $x = 0$ ,  $y = 6$ ,  $v = 3404$ 

$$w=\!82$$
 ,  $h=\!21$  ,  $x=\!0$  ,  $y=\!62$  ,  $v=\!1722$ 

$$\le =85$$
 ,  $h$  =18 ,  $x$  =0 ,  $y$  =44 ,  $v$  =1530

$$\le =94$$
 ,  $h=4$  ,  $x=0$  ,  $y=0$  ,  $v=376$ 

$$\le =94$$
 ,  $h$  =2 ,  $x$  =0 ,  $y$  =4 ,  $v$  =188

$$\le =86$$
 ,  $h=1$  ,  $x=0$  ,  $y=43$  ,  $v=86$