$ClassName: \ Class\_10.2bp-47$ 

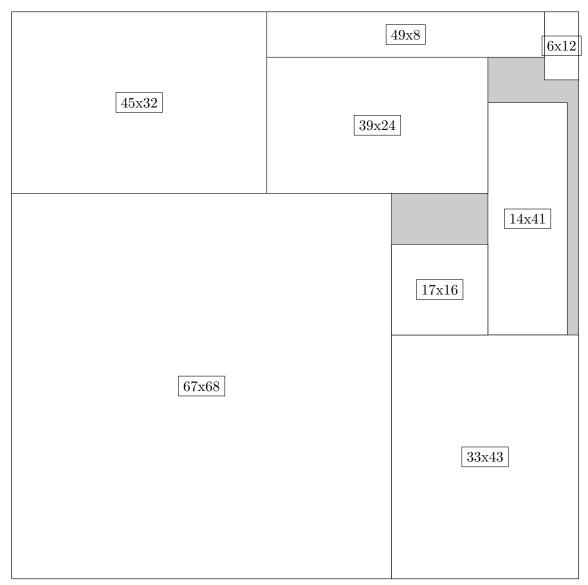
BinSize:  $\underline{100 \times 100}$ ReduceSize:  $\underline{100 \times 100}$ 

TypeNum: 99
Num: 100
OutS: 180000
InS: 170497
Rate: 0.947
UB: 18
LB0: 18
LB: 18

LBWithCut:  $\underline{\mathbf{18}}$ NodeCut:  $\underline{\mathbf{0}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{18}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

isOpt: **true** 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.079 sTotalTime: 0.157 s



```
w = 14, h = 41, x = 84, y = 43, v = 574
```

$$w=\!\!45$$
 ,  $h=\!\!32$  ,  $x=\!\!0$  ,  $y=\!\!68$  ,  $v=\!\!1440$ 

$$w = 33$$
,  $h = 43$ ,  $x = 67$ ,  $y = 0$ ,  $v = 1419$ 

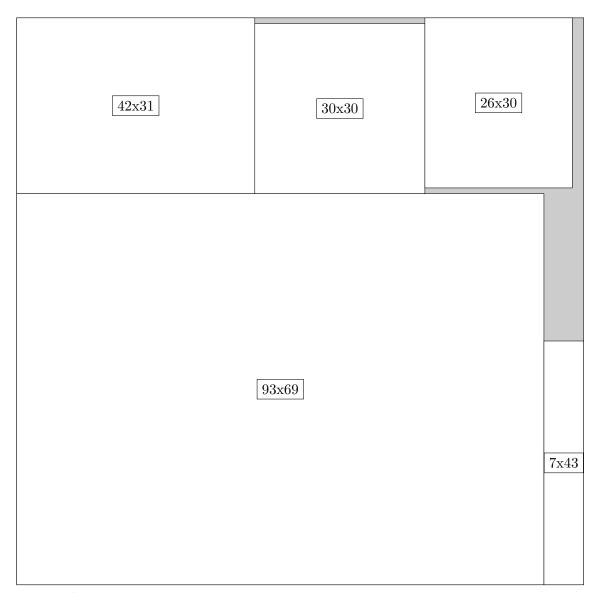
$$\le =39$$
 , h =24 , x =45 , y =68 , v =936

$$\le =49$$
 ,  $h=8$  ,  $x=45$  ,  $y=92$  ,  $v=392$ 

$$w$$
 =17 ,  $h$  =16 ,  $x$  =67 ,  $y$  =43 ,  $v$  =272

$$w$$
 =6 , h =12 , x =94 , y =88 , v =72

 $<sup>\</sup>mathbf{w}$  =67 , h =68 , x =0 , y =0 , v =4556



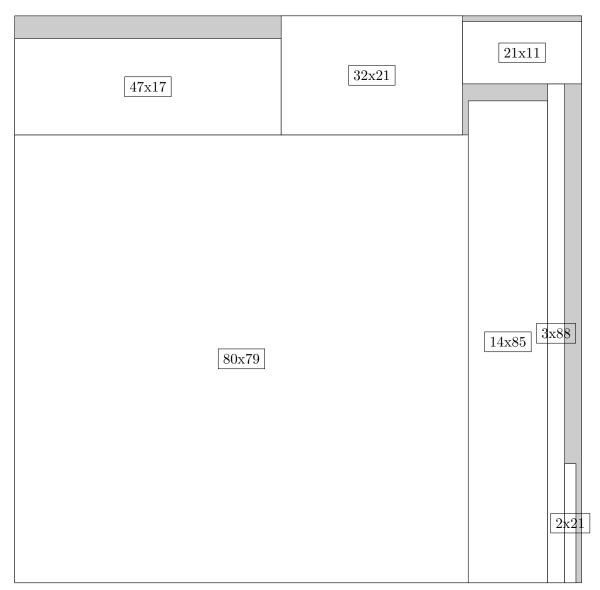
$$\le =93$$
 ,  $h$  =69 ,  $x$  =0 ,  $y$  =0 ,  $v$  =6417

$$\le =42$$
 , h =31 , x =0 , y =69 , v =1302

$$\le =30$$
 , h =30 , x =42 , y =69 , v =900

$$\mathbf{w}$$
 =26 , h =30 , x =72 , y =70 , v =780

$$w = 7$$
,  $h = 43$ ,  $x = 93$ ,  $y = 0$ ,  $v = 301$ 



$$w = 80$$
,  $h = 79$ ,  $x = 0$ ,  $y = 0$ ,  $v = 6320$ 

$$w=\!14$$
 ,  $h=\!85$  ,  $x=\!80$  ,  $y=\!0$  ,  $v=\!1190$ 

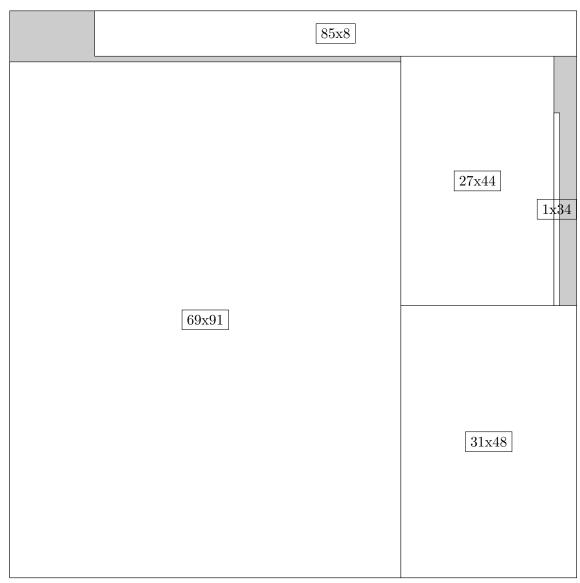
$$\le =47$$
 , h =17 , x =0 , y =79 , v =799

$$\le =32$$
 , h =21 , x =47 , y =79 , v =672

$$\mathbf{w}$$
 =3 , h =88 , x =94 , y =0 , v =264

$$w$$
 =21 ,  $h$  =11 ,  $x$  =79 ,  $y$  =88 ,  $v$  =231

$$\mathbf{w}$$
 =2 , h =21 , x =97 , y =0 , v =42



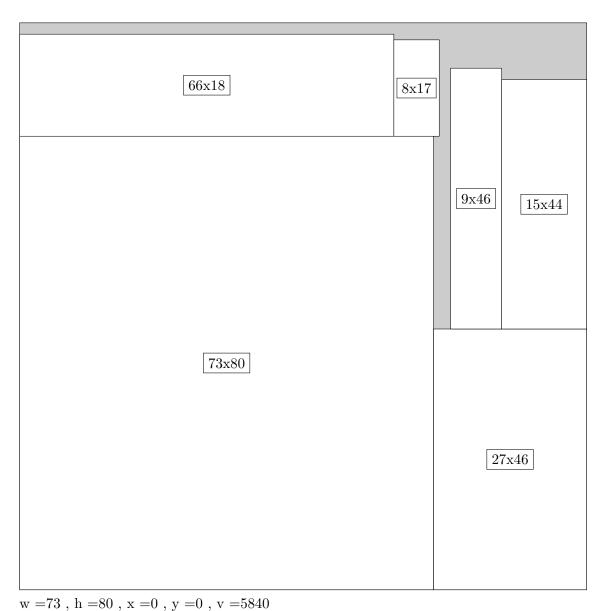
$$\mathbf{w}$$
 =69 , h =91 , x =0 , y =0 , v =6279

$$\le =31$$
 ,  $h=48$  ,  $x=69$  ,  $y=0$  ,  $v=1488$ 

$$\le =27$$
 , h =44 , x =69 , y =48 , v =1188

$$\le =85$$
 , h =8 , x =15 , y =92 , v =680

$$\mathbf{w} = \!\! 1$$
 ,  $\mathbf{h} = \!\! 34$  ,  $\mathbf{x} = \!\! 96$  ,  $\mathbf{y} = \!\! 48$  ,  $\mathbf{v} = \!\! 34$ 



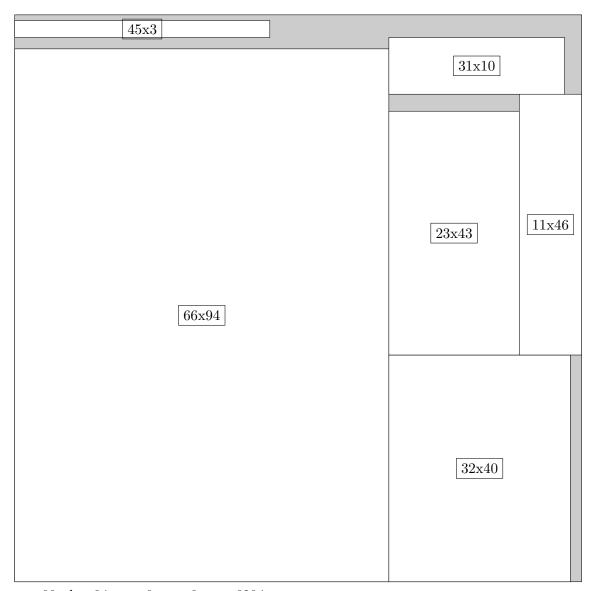
$$w = 73$$
,  $h = 80$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3840$   
 $w = 27$ ,  $h = 46$ ,  $x = 73$ ,  $y = 0$ ,  $v = 1242$ 

$$\le =66$$
 ,  $h$  =18 ,  $x$  =0 ,  $y$  =80 ,  $v$  =1188

$$\le =15$$
 , h =44 , x =85 , y =46 , v =660

$$w$$
 =9 , h =46 , x =76 , y =46 , v =414

$$w = 8$$
,  $h = 17$ ,  $x = 66$ ,  $y = 80$ ,  $v = 136$ 



$$\le =66$$
 , h =94 , x =0 , y =0 , v =6204

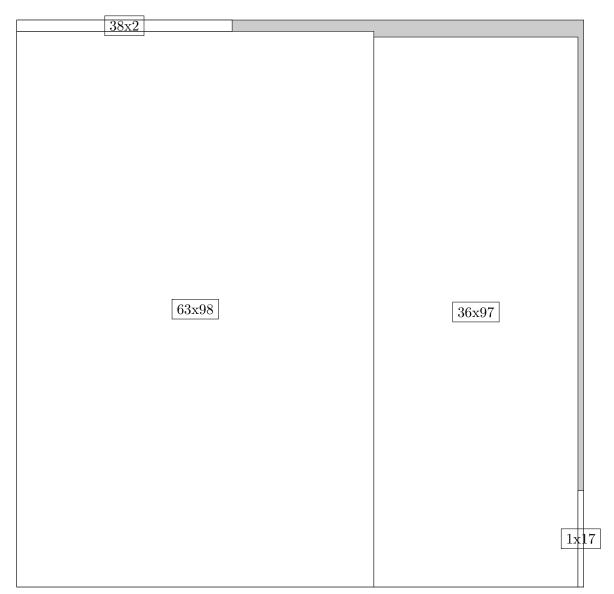
$$\le =32$$
 ,  $h=40$  ,  $x=66$  ,  $y=0$  ,  $v=1280$ 

$$\le =23$$
 , h =43 , x =66 , y =40 , v =989

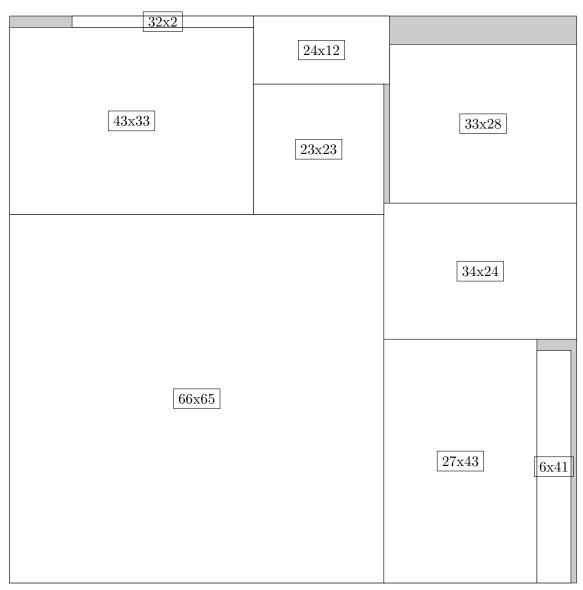
$$w$$
 =11 , h =46 , x =89 , y =40 , v =506

$$\le =31$$
 ,  $h$  =10 ,  $x$  =66 ,  $y$  =86 ,  $v$  =310

$$\le =45$$
 ,  $h=3$  ,  $x=0$  ,  $y=96$  ,  $v=135$ 



 $\begin{array}{l} w = \!63 \; , \; h = \!98 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!6174 \\ w = \!36 \; , \; h = \!97 \; , \; x = \!63 \; , \; y = \!0 \; , \; v = \!3492 \\ w = \!38 \; , \; h = \!2 \; , \; x = \!0 \; , \; y = \!98 \; , \; v = \!76 \\ w = \!1 \; , \; h = \!17 \; , \; x = \!99 \; , \; y = \!0 \; , \; v = \!17 \end{array}$ 



$$w = 66$$
,  $h = 65$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4290$ 

$$w = 43$$
,  $h = 33$ ,  $x = 0$ ,  $y = 65$ ,  $v = 1419$ 

$$\le =27$$
 , h =43 , x =66 , y =0 , v =1161

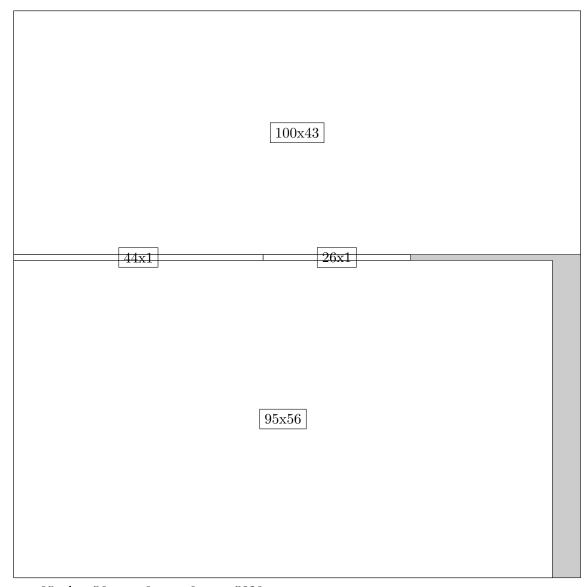
$$w$$
 =6 ,  $h$  =41 ,  $x$  =93 ,  $y$  =0 ,  $v$  =246

$$w = 34$$
,  $h = 24$ ,  $x = 66$ ,  $y = 43$ ,  $v = 816$ 

$$w = 33$$
,  $h = 28$ ,  $x = 67$ ,  $y = 67$ ,  $v = 924$ 

$$w = 23$$
,  $h = 23$ ,  $x = 43$ ,  $y = 65$ ,  $v = 529$ 

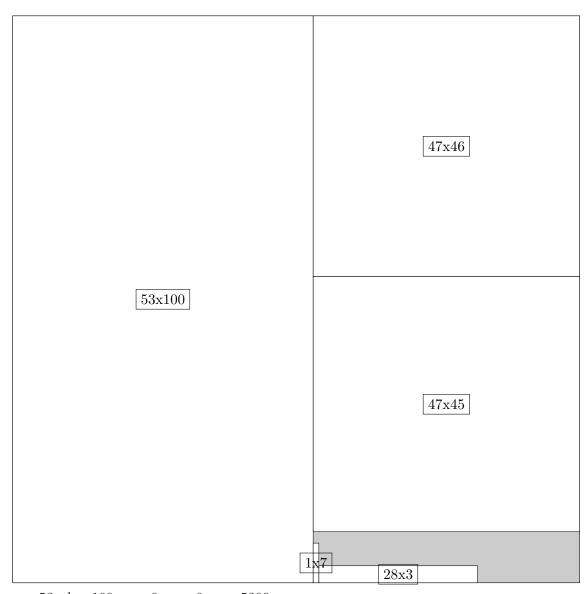
$$\begin{array}{l} w = \! 24 \ , \ h = \! 12 \ , \ x = \! 43 \ , \ y = \! 88 \ , \ v = \! 288 \\ w = \! 32 \ , \ h = \! 2 \ , \ x = \! 11 \ , \ y = \! 98 \ , \ v = \! 64 \end{array}$$



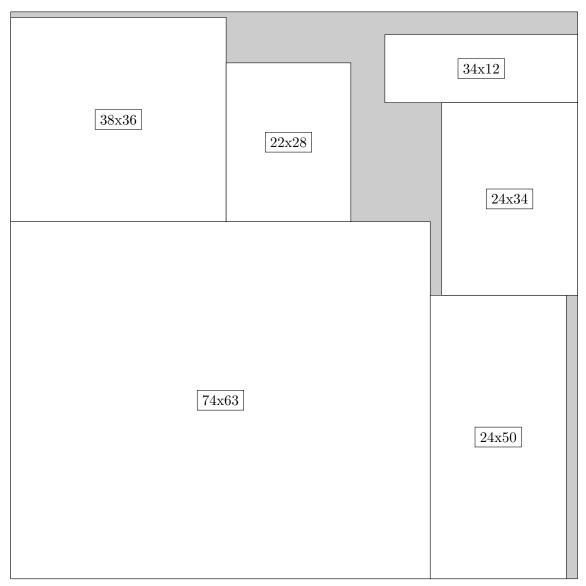
$$\begin{array}{l} w = \! 95 \ , \ h = \! 56 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5320 \\ w = \! 100 \ , \ h = \! 43 \ , \ x = \! 0 \ , \ y = \! 57 \ , \ v = \! 4300 \end{array}$$

$$\le =44$$
 , h =1 , x =0 , y =  
56 , v =  
44

$$\mathbf{w}$$
 =26 , h =1 , x =44 , y =56 , v =26



$$\begin{array}{l} w = \!\! 53 \ , \ h = \!\! 100 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 5300 \\ w = \!\! 47 \ , \ h = \!\! 46 \ , \ x = \!\! 53 \ , \ y = \!\! 54 \ , \ v = \!\! 2162 \\ w = \!\! 47 \ , \ h = \!\! 45 \ , \ x = \!\! 53 \ , \ y = \!\! 9 \ , \ v = \!\! 2115 \\ w = \!\! 28 \ , \ h = \!\! 3 \ , \ x = \!\! 54 \ , \ y = \!\! 0 \ , \ v = \!\! 84 \\ w = \!\! 1 \ , \ h = \!\! 7 \ , \ x = \!\! 53 \ , \ y = \!\! 0 \ , \ v = \!\! 7 \end{array}$$



$$w = 74$$
,  $h = 63$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4662$ 

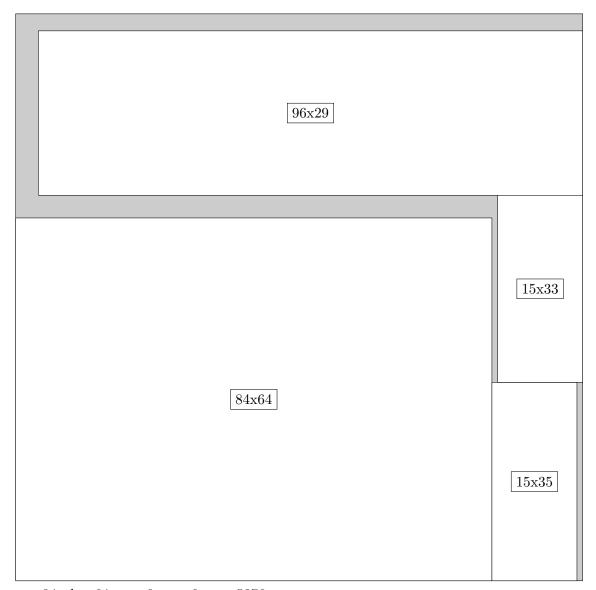
$$\le =38$$
 ,  $= 36$  ,  $= 1368$  ,  $= 1368$ 

$$\le =24$$
 , h =50 , x =74 , y =0 , v =1200

$$\le =24$$
 , h =34 , x =76 , y =50 , v =816

$$\le =22$$
 , h =28 , x =38 , y =63 , v =616

$$\le =34$$
 ,  $h=12$  ,  $x=66$  ,  $y=84$  ,  $v=408$ 

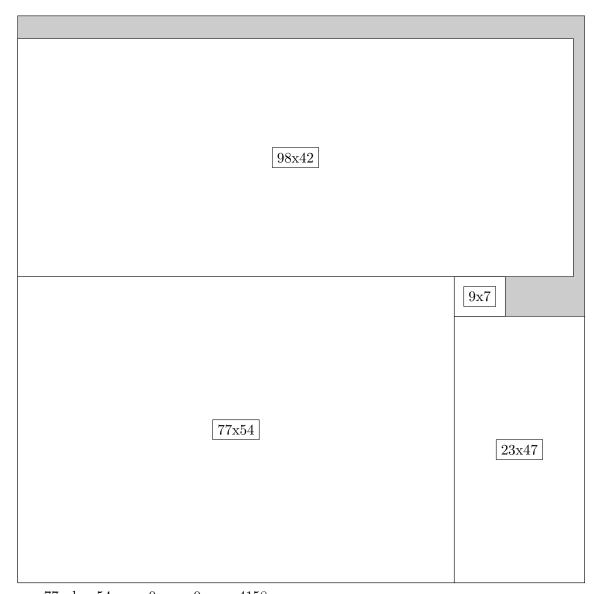


$$\le =84$$
 ,  $h$  =64 ,  $x$  =0 ,  $y$  =0 ,  $v$  =5376

$$\le =96$$
 , h =29 , x =4 , y =68 , v =2784

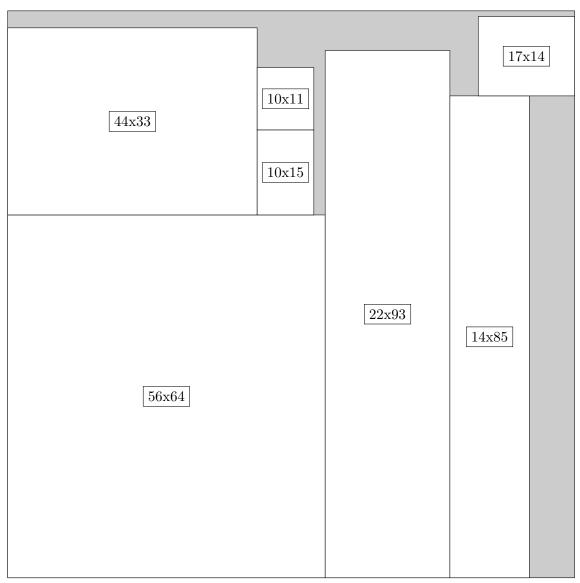
$$\le =15$$
 , h =35 , x =84 , y =0 , v =525

$$w$$
 =15 , h =33 , x =85 , y =35 , v =495



$$w = 77$$
,  $h = 54$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4158$   
 $w = 98$ ,  $h = 42$ ,  $x = 0$ ,  $y = 54$ ,  $v = 4116$ 

$$\begin{array}{l} w = \! 23 \ , \ h = \! 47 \ , \ x = \! 77 \ , \ y = \! 0 \ , \ v = \! 1081 \\ w = \! 9 \ , \ h = \! 7 \ , \ x = \! 77 \ , \ y = \! 47 \ , \ v = \! 63 \end{array}$$



$$\mathbf{w}$$
 =56 ,  $\mathbf{h}$  =64 ,  $\mathbf{x}$  =0 ,  $\mathbf{y}$  =0 ,  $\mathbf{v}$  =3584

$$\le =22$$
 , h =93 , x =  
56 , y =0 , v =  
2046

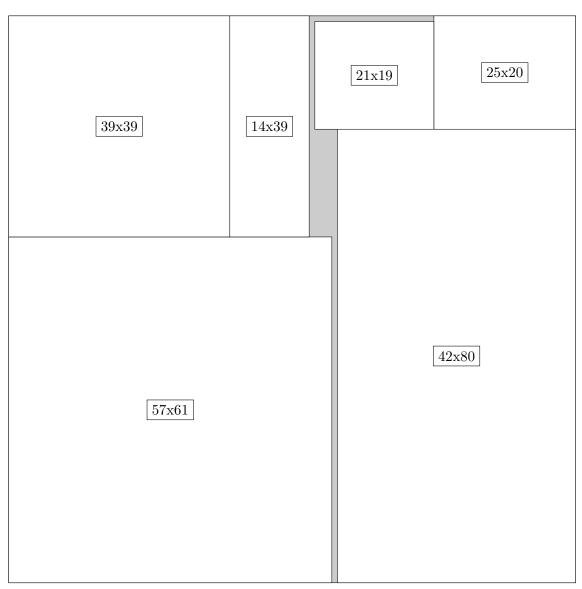
$$\le =44$$
 , h =33 , x =0 , y =64 , v =1452

$$\le =14$$
 ,  $h$  =85 ,  $x$  =78 ,  $y$  =0 ,  $v$  =1190

$$\le =17$$
 , h =14 , x =83 , y =85 , v =238

$$w$$
 =10 ,  $h$  =15 ,  $x$  =44 ,  $y$  =64 ,  $v$  =150

$$w = 10$$
,  $h = 11$ ,  $x = 44$ ,  $y = 79$ ,  $v = 110$ 



$$w = 57$$
,  $h = 61$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3477$ 

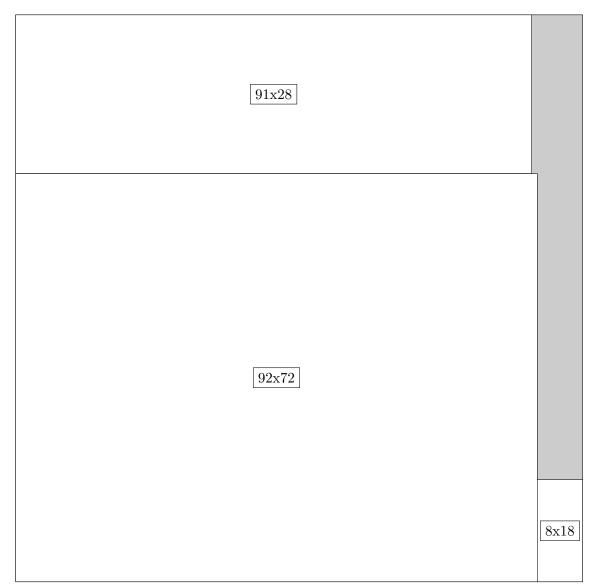
$$\le =42$$
 , h =80 , x =58 , y =0 , v =3360

$$\le =39$$
 , h =39 , x =0 , y =61 , v =1521

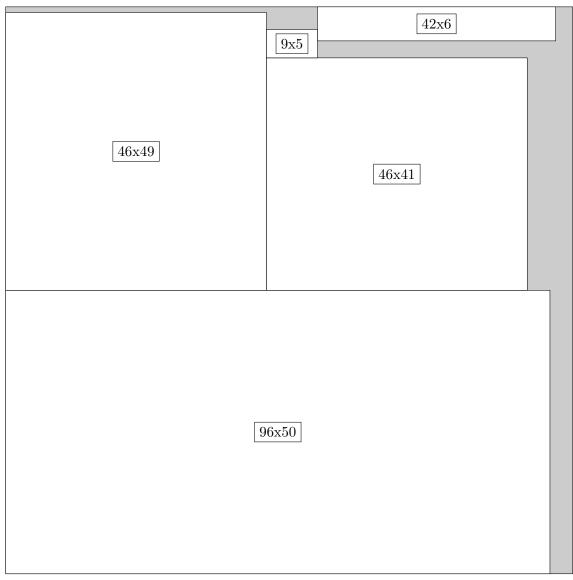
$$\le =14$$
 , h =39 , x =39 , y =61 , v =546

$$\le =25$$
 , h =20 , x =75 , y =80 , v =500

$$w$$
 =21 ,  $h$  =19 ,  $x$  =54 ,  $y$  =80 ,  $v$  =399



$$\begin{array}{l} w = \! 91 \ , \ h = \! 28 \ , \ x = \! 0 \ , \ y = \! 72 \ , \ v = \! 2548 \\ w = \! 92 \ , \ h = \! 72 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6624 \\ w = \! 8 \ , \ h = \! 18 \ , \ x = \! 92 \ , \ y = \! 0 \ , \ v = \! 144 \end{array}$$



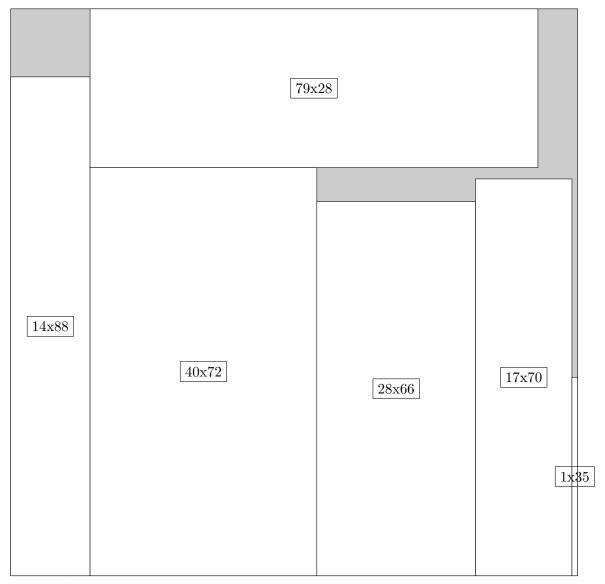
$$w = 96$$
,  $h = 50$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4800$ 

$$\le =46$$
 , h =49 , x =0 , y =50 , v =2254

$$\le =46$$
 ,  $h=\!41$  ,  $x=\!46$  ,  $y=\!50$  ,  $v=\!1886$ 

$$w$$
 =9 , h =5 , x =46 , y =91 , v =45

$$\le =42$$
 ,  $h=6$  ,  $x=55$  ,  $y=94$  ,  $v=252$ 



$$\le =14$$
 ,  $==88$  ,  $==0$  ,  $y$  =0 ,  $v$  =1232

$$\le =40$$
 ,  $h$  =72 ,  $x$  =14 ,  $y$  =0 ,  $v$  =2880

$$w = 79$$
,  $h = 28$ ,  $x = 14$ ,  $y = 72$ ,  $v = 2212$ 

$$\le =28$$
 ,  $h$  =66 ,  $x$  =54 ,  $y$  =0 ,  $v$  =1848

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

$$\mathbf{w}$$
 =1 , h =35 , x =99 , y =0 , v =35