$ClassName: \ Class\_07.2bp-36$ 

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>240000</u> InS: <u>206353</u> Rate: <u>0.860</u> UB: <u>24</u> LB0: <u>24</u> LB: <u>24</u>

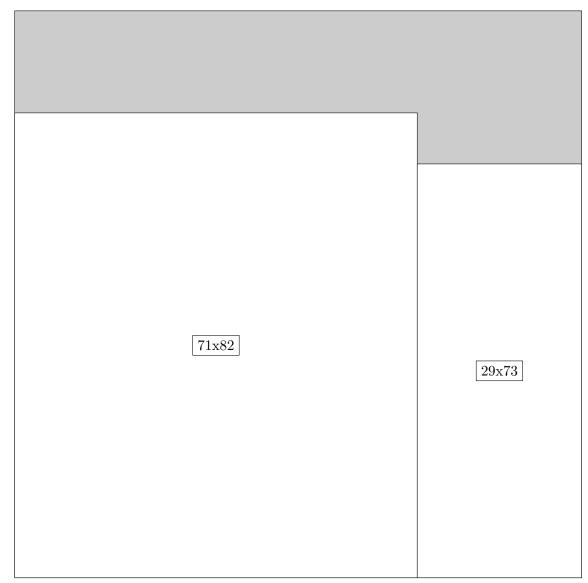
LBWithCut:  $\underline{\mathbf{24}}$  NodeCut:  $\underline{\mathbf{0}}$ 

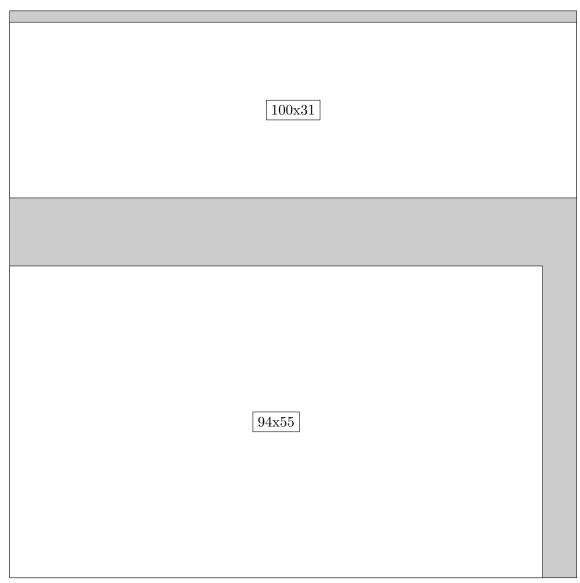
ExtendedNodeCnt: 9
GenNodeCnt: 14
PrimalNode: 220
ColumnCount: 369
TotalCutCount: 94
RootCutCount: 94
LPSolverCnt: 1758
PricingSolverCnt: 1748
BranchAndBoundNum: 14

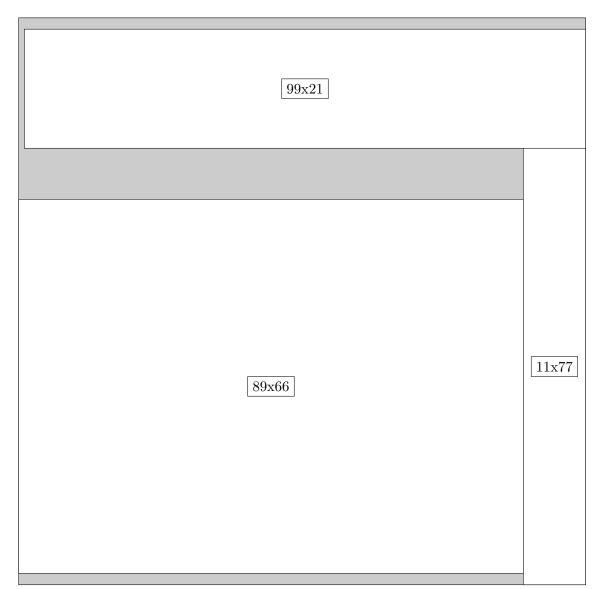
isOpt: **true** 

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

TimeOnPrimal:  $\underline{48.077 \text{ s}}$ TimeOnPricing:  $\underline{79.985 \text{ s}}$ TimeOnRmp:  $\underline{1.127 \text{ s}}$ TotalTime:  $\underline{202.067 \text{ s}}$ 



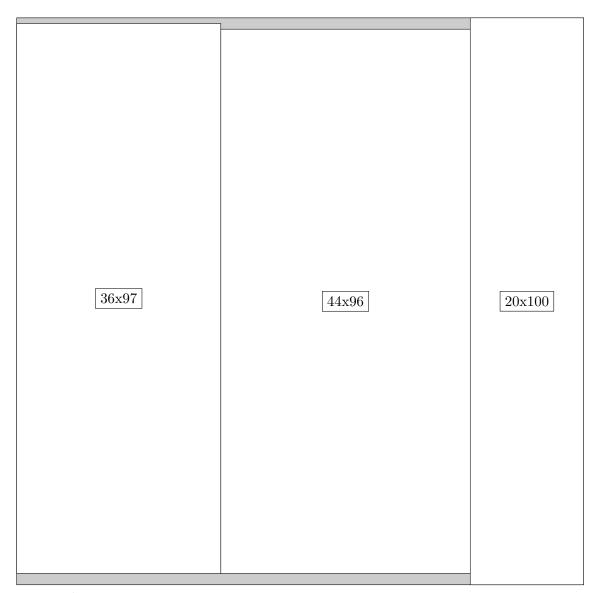




$$\le =11$$
 ,  $h$  =77 ,  $x$  =89 ,  $y$  =0 ,  $v$  =847

$$\le =89$$
 ,  $h$  =66 ,  $x$  =0 ,  $y$  =2 ,  $v$  =5874

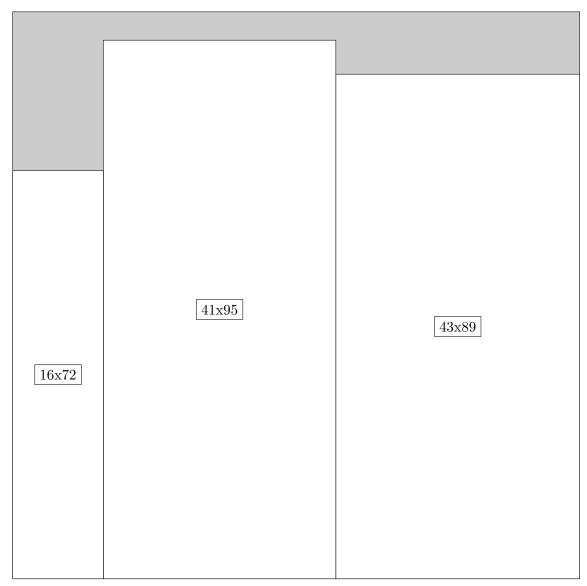
$$\le =99$$
 , h =21 , x =1 , y =77 , v =2079



$$\le =20$$
 ,  $h=100$  ,  $x=\!80$  ,  $y=\!0$  ,  $v=\!2000$ 

$$\mathbf{w}$$
 =44 , h =96 , x =36 , y =2 , v =4224

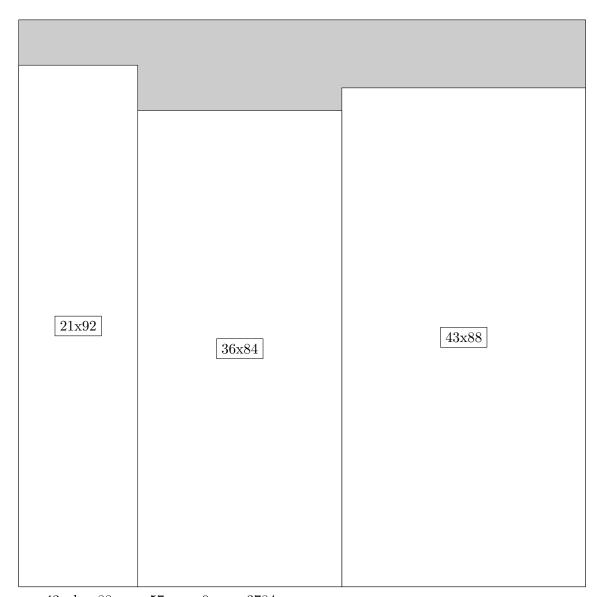
$$\le =36$$
 , h =97 , x =0 , y =2 , v =3492



w = 43, h = 89, x = 57, y = 0, v = 3827

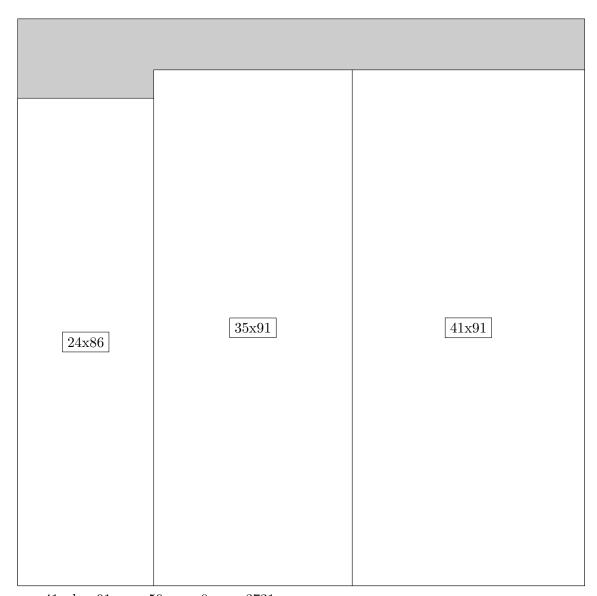
 $\le =41$  , h=95 , x=16 , y=0 , v=3895

 $\le =16$  , h =72 , x =0 , y =0 , v =1152

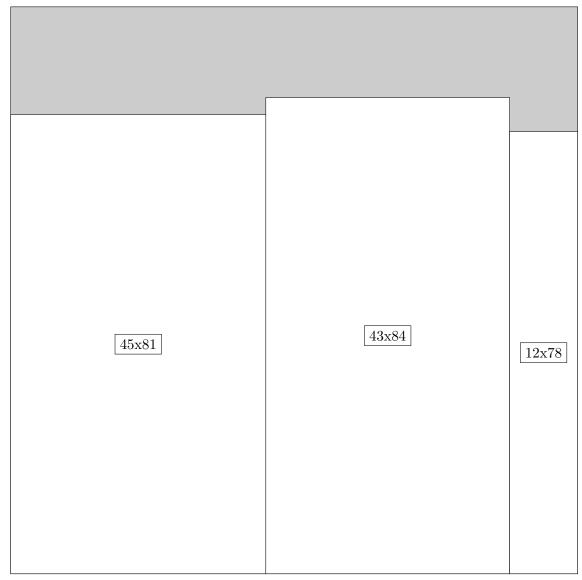


 $\begin{array}{l} w = \! 43 \ , \ h = \! 88 \ , \ x = \! 57 \ , \ y = \! 0 \ , \ v = \! 3784 \\ w = \! 36 \ , \ h = \! 84 \ , \ x = \! 21 \ , \ y = \! 0 \ , \ v = \! 3024 \end{array}$ 

 $\le =21$  , h =92 , x =0 , y =0 , v =1932



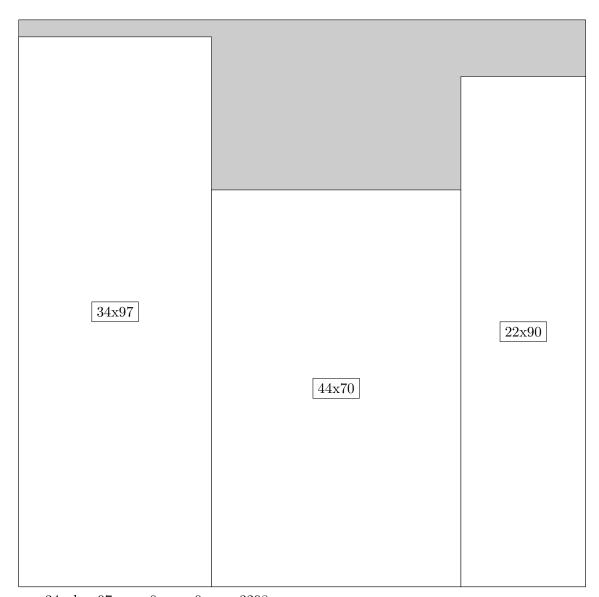
 $\begin{array}{l} w = \! 41 \ , \ h = \! 91 \ , \ x = \! 59 \ , \ y = \! 0 \ , \ v = \! 3731 \\ w = \! 35 \ , \ h = \! 91 \ , \ x = \! 24 \ , \ y = \! 0 \ , \ v = \! 3185 \\ w = \! 24 \ , \ h = \! 86 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2064 \end{array}$ 



$$w = 45$$
,  $h = 81$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3645$ 

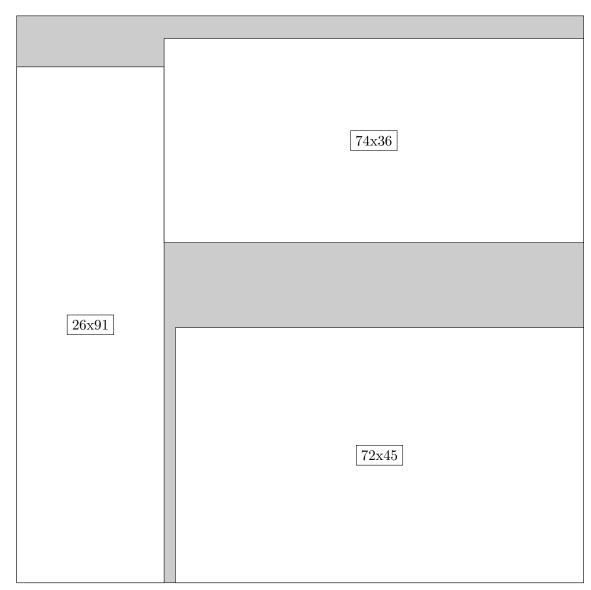
$$\le =43$$
 , h =84 , x =45 , y =0 , v =3612

$$\le =12$$
 , h =78 , x =88 , y =0 , v =936



$$\le =44$$
 ,  $h=70$  ,  $x=34$  ,  $y=0$  ,  $v=3080$ 

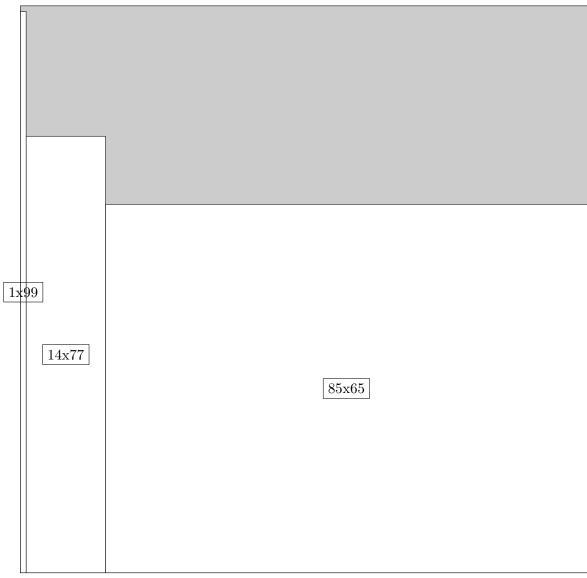
$$\le =22$$
 , h =90 , x =78 , y =0 , v =1980



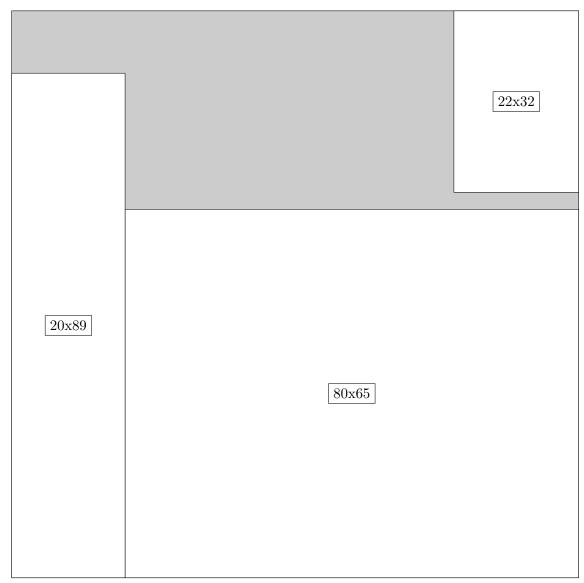
$$w = 72$$
,  $h = 45$ ,  $x = 28$ ,  $y = 0$ ,  $v = 3240$ 

$$\le =26$$
 , h =91 , x =0 , y =0 , v =2366

$$\le =74$$
 , h =36 , x =26 , y =60 , v =2664



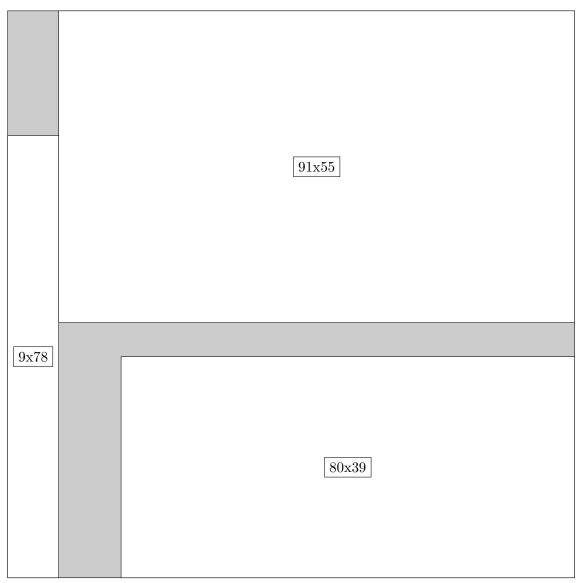
 $\begin{array}{l} w = & 85 \ , \ h = & 65 \ , \ x = & 15 \ , \ y = & 0 \ , \ v = & 5525 \\ w = & 14 \ , \ h = & 77 \ , \ x = & 1 \ , \ y = & 0 \ , \ v = & 1078 \\ w = & 1 \ , \ h = & 99 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 99 \end{array}$ 



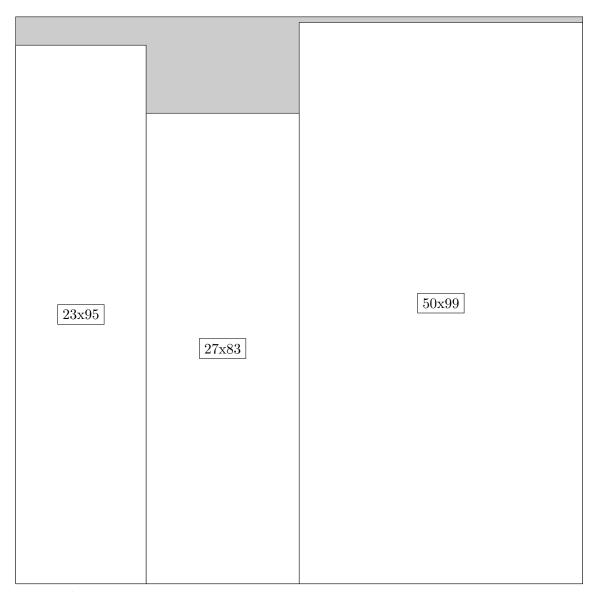
$$\le =80$$
 , h =65 , x =20 , y =0 , v =5200

$$\le =20$$
 , h =89 , x =0 , y =0 , v =1780

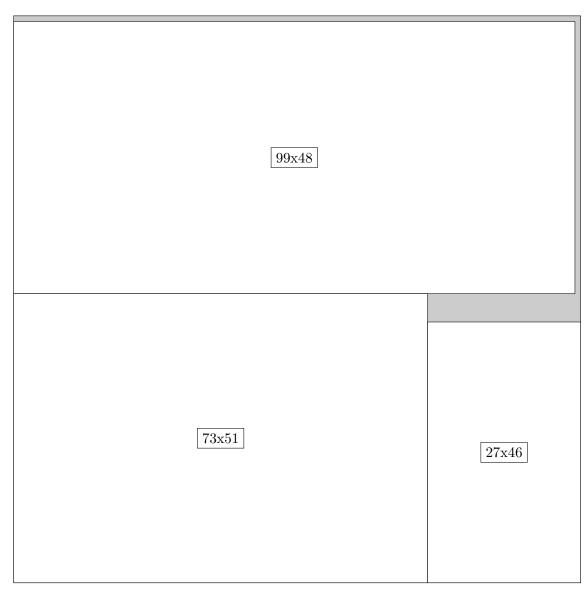
$$\le =22$$
 , h =32 , x =78 , y =68 , v =704



 $\begin{array}{l} w = \! 80 \ , \ h = \! 39 \ , \ x = \! 20 \ , \ y = \! 0 \ , \ v = \! 3120 \\ w = \! 9 \ , \ h = \! 78 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 702 \\ w = \! 91 \ , \ h = \! 55 \ , \ x = \! 9 \ , \ y = \! 45 \ , \ v = \! 5005 \end{array}$ 



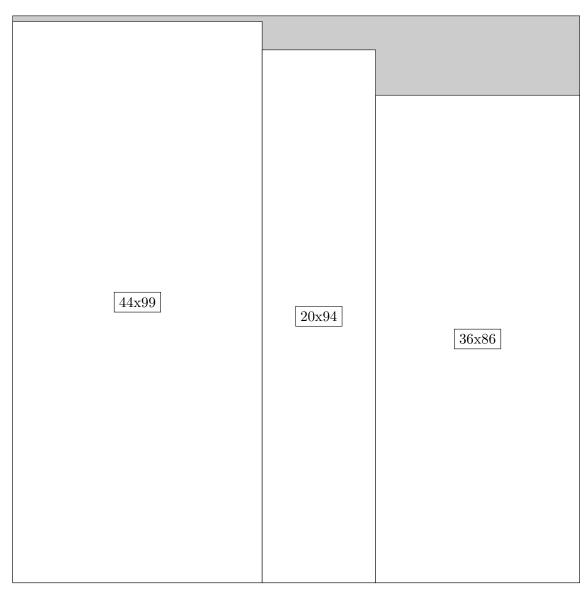
 $\begin{array}{l} w = \! 50 \ , \ h = \! 99 \ , \ x = \! 50 \ , \ y = \! 0 \ , \ v = \! 4950 \\ w = \! 27 \ , \ h = \! 83 \ , \ x = \! 23 \ , \ y = \! 0 \ , \ v = \! 2241 \\ w = \! 23 \ , \ h = \! 95 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2185 \end{array}$ 



$$w = 99$$
,  $h = 48$ ,  $x = 0$ ,  $y = 51$ ,  $v = 4752$ 

$$\mathbf{w}$$
 =73 , h =51 , x =0 , y =0 , v =3723

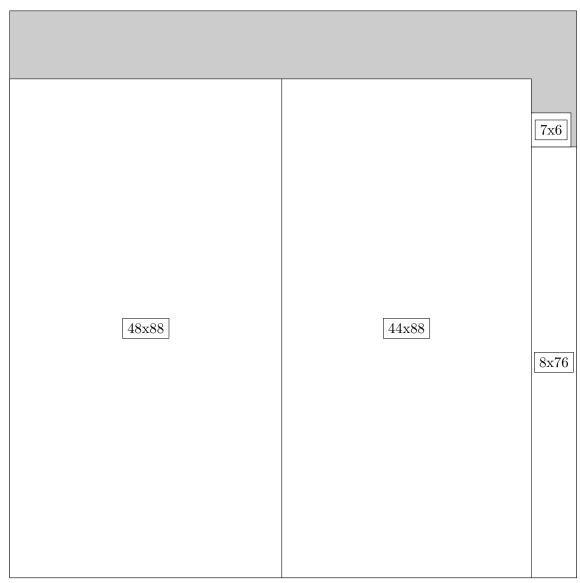
$$\le =27$$
 , h =46 , x =73 , y =0 , v =1242



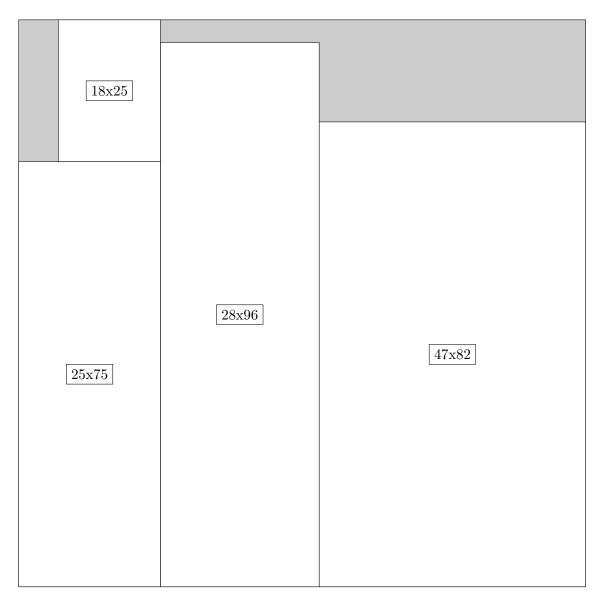
w = 44, h = 99, x = 0, y = 0, v = 4356

 $\le =36$  , h = 86 , x = 64 , y = 0 , v = 3096

 $\le =20$  , h =94 , x =44 , y =0 , v =1880



 $\begin{array}{l} w = \!\! 48 \ , \ h = \!\! 88 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4224 \\ w = \!\! 44 \ , \ h = \!\! 88 \ , \ x = \!\! 48 \ , \ y = \!\! 0 \ , \ v = \!\! 3872 \\ w = \!\! 8 \ , \ h = \!\! 76 \ , \ x = \!\! 92 \ , \ y = \!\! 0 \ , \ v = \!\! 608 \\ w = \!\! 7 \ , \ h = \!\! 6 \ , \ x = \!\! 92 \ , \ y = \!\! 76 \ , \ v = \!\! 42 \end{array}$ 

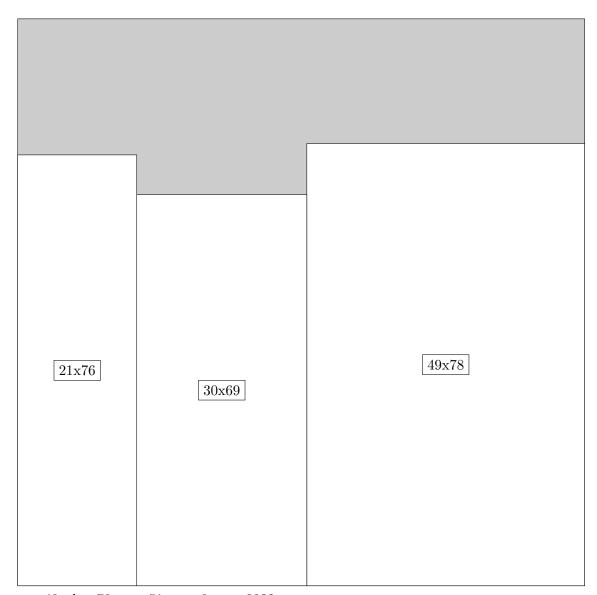


$$\begin{array}{l} w = \!\! 47 \ , \ h = \!\! 82 \ , \ x = \!\! 53 \ , \ y = \!\! 0 \ , \ v = \!\! 3854 \\ w = \!\! 28 \ , \ h = \!\! 96 \ , \ x = \!\! 25 \ , \ y = \!\! 0 \ , \ v = \!\! 2688 \end{array}$$

$$\le =25$$
 , h =75 , x =0 , y =0 , v =1875

$$w = 25$$
,  $h = 75$ ,  $x = 0$ ,  $y = 0$ ,  $v = 1875$ 

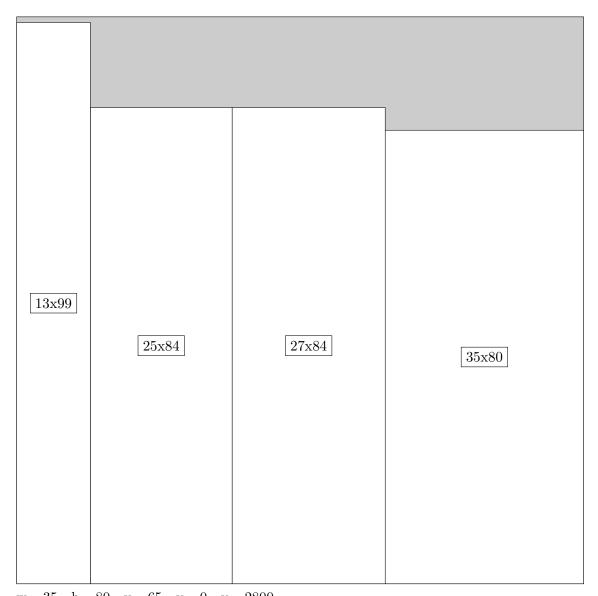
$$\mathbf{w}$$
 =18 , h =25 , x =7 , y =75 , v =450



 $\le =49$  , h =78 , x =51 , y =0 , v =3822

 $\le =30$  , h =69 , x =21 , y =0 , v =2070

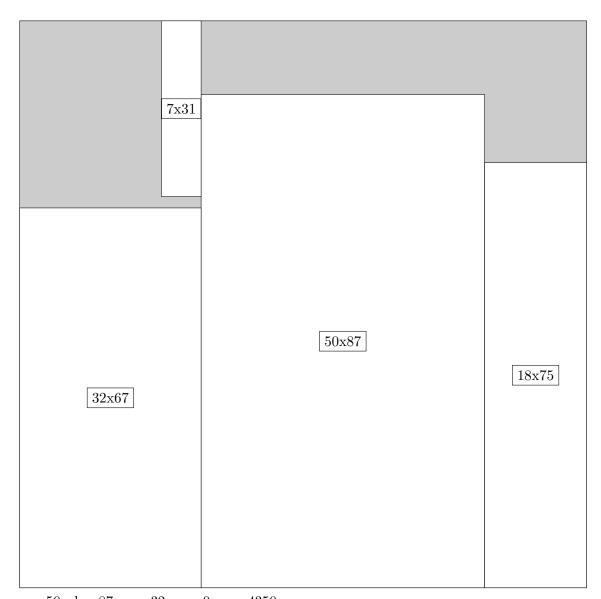
 $\le =21$  , h =76 , x =0 , y =0 , v =1596



 $\begin{array}{c} w = \!\! 35 \ , \ h = \!\! 80 \ , \ x = \!\! 65 \ , \ y = \!\! 0 \ , \ v = \!\! 2800 \\ w = \!\! 27 \ , \ h = \!\! 84 \ , \ x = \!\! 38 \ , \ y = \!\! 0 \ , \ v = \!\! 2268 \\ \end{array}$ 

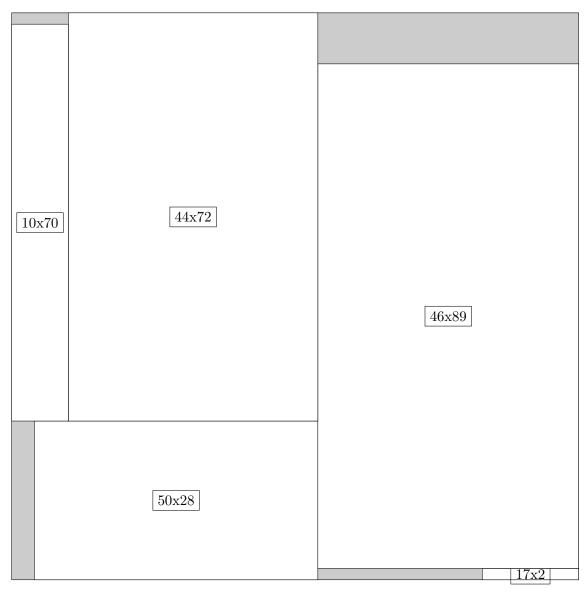
 $\le =25$  , h =84 , x =13 , y =0 , v = 2100

 $\le =13$  ,  $\le =99$  ,  $\ge =0$  ,  $\ge =0$  ,  $\ge =1287$ 



 $\begin{array}{l} w = \! 50 \ , \ h = \! 87 \ , \ x = \! 32 \ , \ y = \! 0 \ , \ v = \! 4350 \\ w = \! 32 \ , \ h = \! 67 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2144 \\ w = \! 18 \ , \ h = \! 75 \ , \ x = \! 82 \ , \ y = \! 0 \ , \ v = \! 1350 \end{array}$ 

w = 7, h = 31, x = 25, y = 69, v = 217

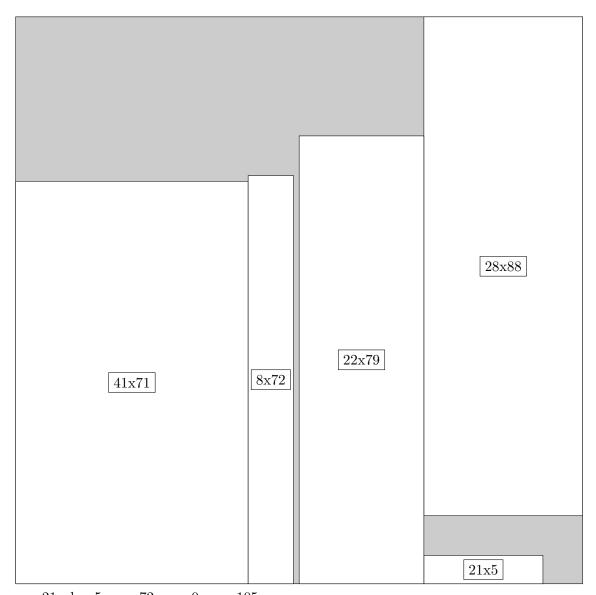


$$\begin{array}{l} w = \!\! 50 \ , \ h = \!\! 28 \ , \ x = \!\! 4 \ , \ y = \!\! 0 \ , \ v = \!\! 1400 \\ w = \!\! 17 \ , \ h = \!\! 2 \ , \ x = \!\! 83 \ , \ y = \!\! 0 \ , \ v = \!\! 34 \\ \end{array}$$

$$\le =46$$
 , h =89 , x =54 , y =2 , v =4094

$$w = 44$$
,  $h = 72$ ,  $x = 10$ ,  $y = 28$ ,  $v = 3168$ 

$$\le =10$$
 ,  $h$  =70 ,  $x$  =0 ,  $y$  =28 ,  $v$  =700



 $\begin{array}{l} w=21 \ , \ h=5 \ , \ x=72 \ , \ y=0 \ , \ v=105 \\ w=41 \ , \ h=71 \ , \ x=0 \ , \ y=0 \ , \ v=2911 \\ w=28 \ , \ h=88 \ , \ x=72 \ , \ y=12 \ , \ v=2464 \\ w=22 \ , \ h=79 \ , \ x=50 \ , \ y=0 \ , \ v=1738 \\ w=8 \ , \ h=72 \ , \ x=41 \ , \ y=0 \ , \ v=576 \end{array}$ 

