${\bf ClassName:}\ {\bf Class\_08.2bp\text{-}38}$ 

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>210000</u> InS: <u>188362</u> Rate: <u>0.897</u> UB: <u>21</u>

LB0: <u>21</u> LB: <u>21</u>

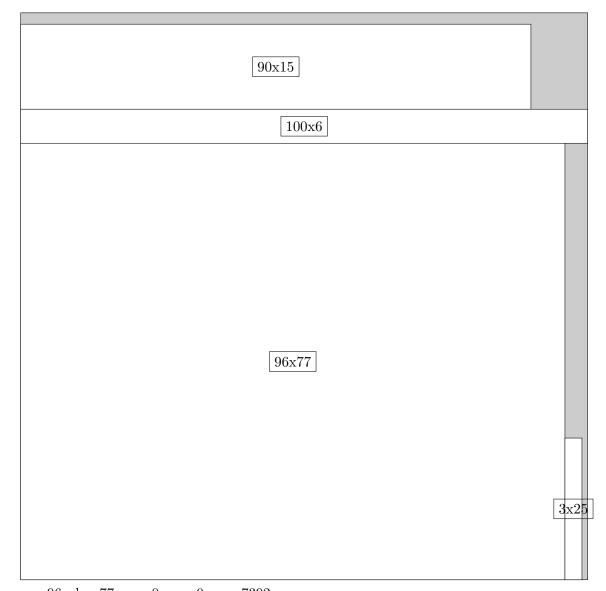
LBWithCut:  $\underline{21}$ NodeCut:  $\underline{0}$ 

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

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{21}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

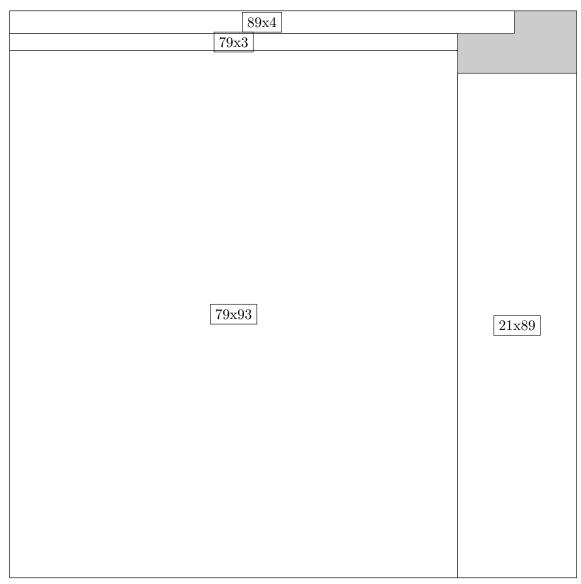
isOpt:  $\underline{\mathbf{true}}$ 

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.620 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.062 \ s} \\ {\rm TotalTime:} \ \underline{0.745 \ s} \end{array}$ 



$$\begin{array}{l} w = \! 96 \ , \ h = \! 77 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7392 \\ w = \! 90 \ , \ h = \! 15 \ , \ x = \! 0 \ , \ y = \! 83 \ , \ v = \! 1350 \\ w = \! 100 \ , \ h = \! 6 \ , \ x = \! 0 \ , \ y = \! 77 \ , \ v = \! 600 \end{array}$$

 $\le 3$  , h = 25 , x = 96 , y = 0 , v = 75

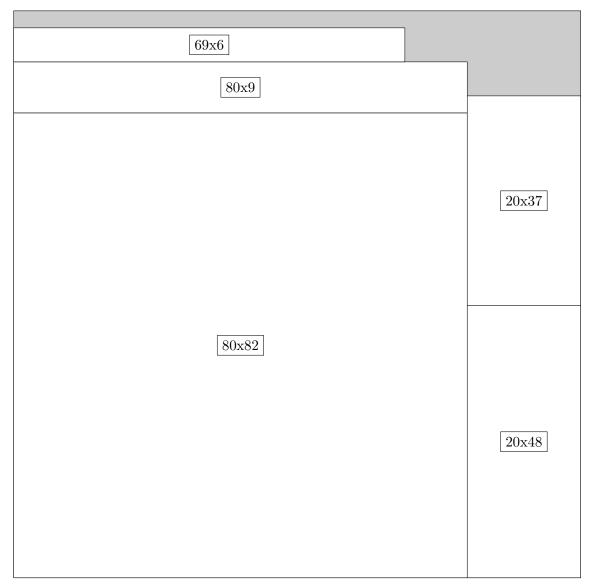


$$\mathbf{w}$$
 =79 , h =93 , x =0 , y =0 , v =7347

$$\le =21$$
 , h =89 , x =79 , y =0 , v =1869

$$\le =89$$
 , h =4 , x =0 , y =96 , v =356

$$w$$
 =79 , h =3 , x =0 , y =93 , v =237



$$w = 80$$
,  $h = 82$ ,  $x = 0$ ,  $y = 0$ ,  $v = 6560$ 

$$\le =20$$
 , h =48 , x =80 , y =0 , v =960

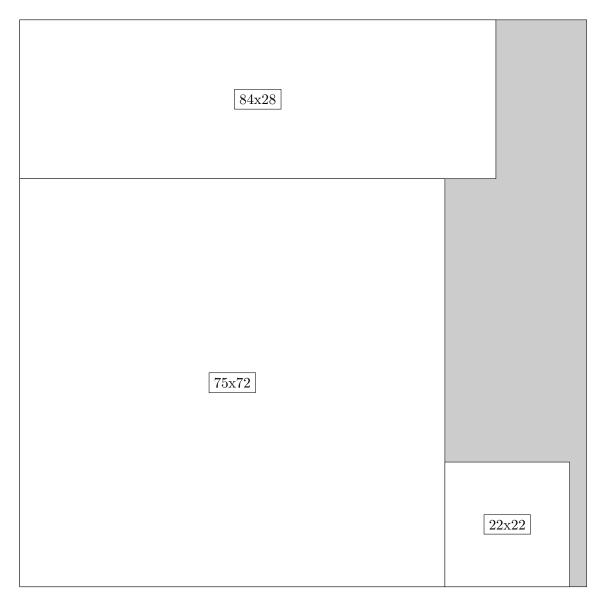
$$\le =20$$
 , h =37 , x =80 , y =48 , v =740

$$\le =80$$
 ,  $h$  =9 ,  $x$  =0 ,  $y$  =82 ,  $v$  =720

$$w = 69$$
,  $h = 6$ ,  $x = 0$ ,  $y = 91$ ,  $v = 414$ 



$$\begin{array}{l} w = \! 91 \ , \ h = \! 60 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5460 \\ w = \! 79 \ , \ h = \! 40 \ , \ x = \! 0 \ , \ y = \! 60 \ , \ v = \! 3160 \\ w = \! 9 \ , \ h = \! 83 \ , \ x = \! 91 \ , \ y = \! 0 \ , \ v = \! 747 \end{array}$$



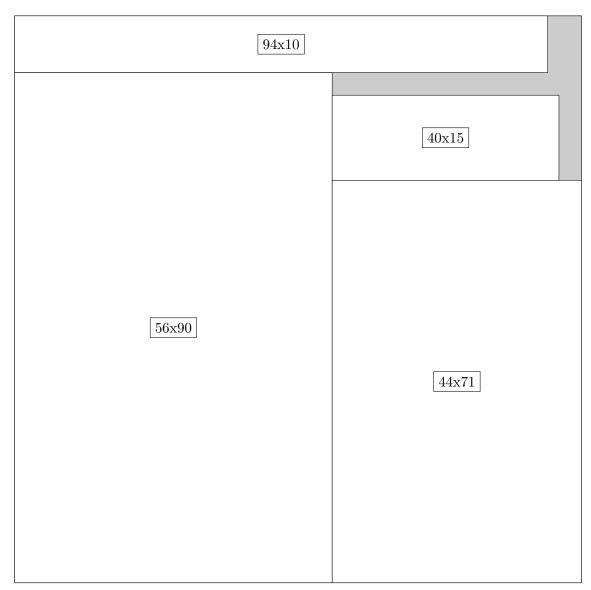
$$w = 75$$
,  $h = 72$ ,  $x = 0$ ,  $y = 0$ ,  $v = 5400$ 

$$\le =84$$
 , h =28 , x =0 , y =72 , v =2352

$$\le =22$$
 , h =22 , x =75 , y =0 , v =484



$$\begin{array}{l} w = \! 96 \ , \ h = \! 56 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5376 \\ w = \! 99 \ , \ h = \! 44 \ , \ x = \! 0 \ , \ y = \! 56 \ , \ v = \! 4356 \\ w = \! 1 \ , \ h = \! 22 \ , \ x = \! 99 \ , \ y = \! 78 \ , \ v = \! 22 \end{array}$$

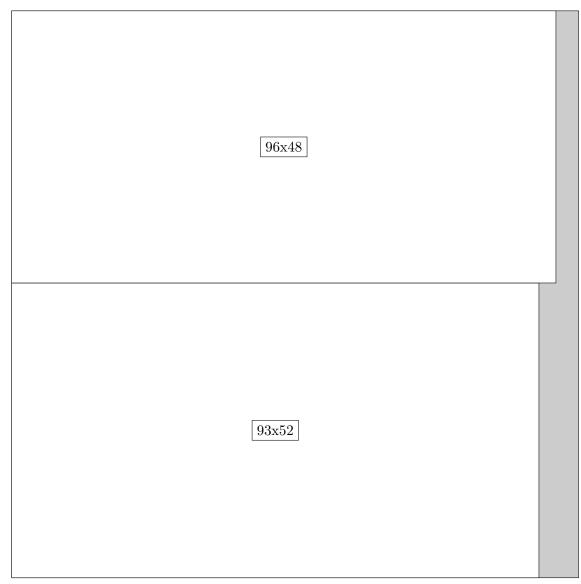


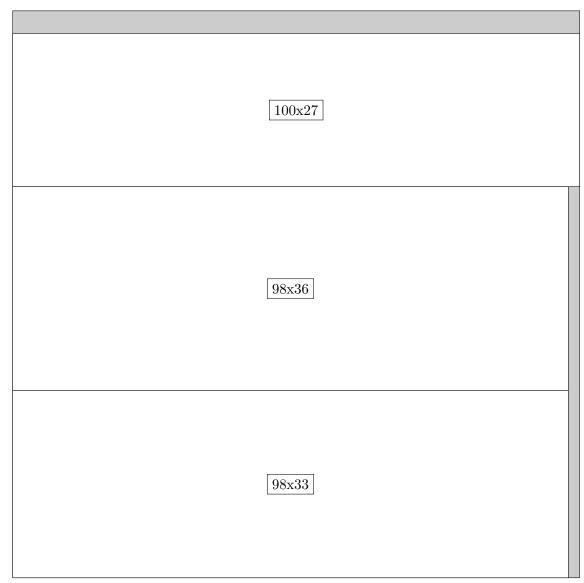
$$w = 56$$
,  $h = 90$ ,  $x = 0$ ,  $y = 0$ ,  $v = 5040$ 

$$w$$
 =44 ,  $h$  =71 ,  $x$  =56 ,  $y$  =0 ,  $v$  =3124

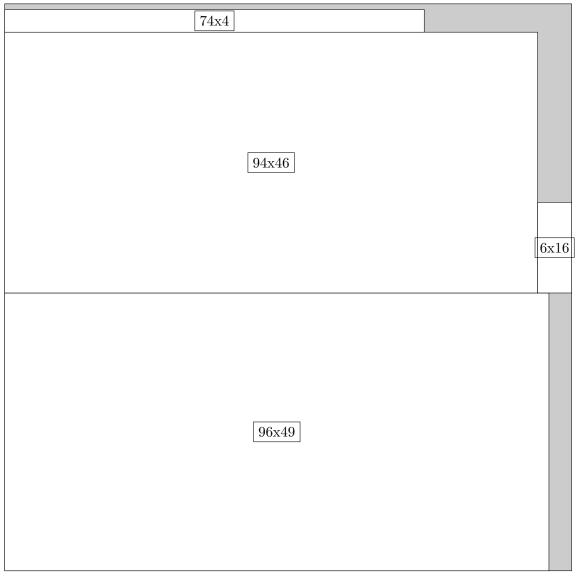
$$\le =94$$
 , h =10 , x =0 , y =90 , v =940

$$\le =40$$
 , h =15 , x =56 , y =71 , v =600





$$\begin{array}{l} w = \! 98 \; , \; h = \! 36 \; , \; x = \! 0 \; , \; y = \! 33 \; , \; v = \! 3528 \\ w = \! 98 \; , \; h = \! 33 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3234 \\ w = \! 100 \; , \; h = \! 27 \; , \; x = \! 0 \; , \; y = \! 69 \; , \; v = \! 2700 \end{array}$$

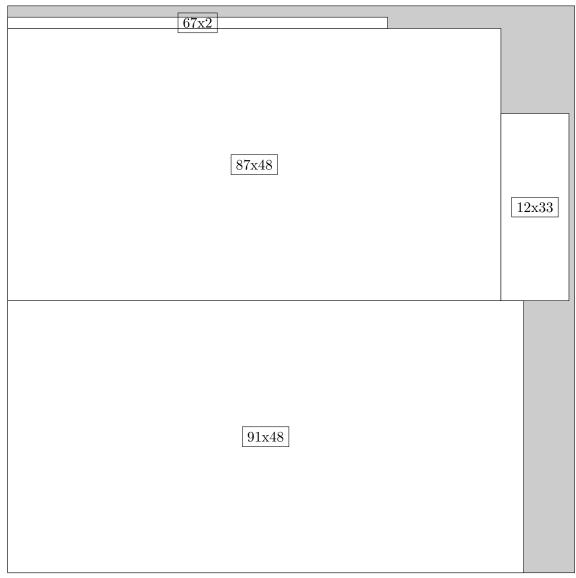


$$\mathbf{w}$$
 =96 , h =49 , x =0 , y =0 , v =4704

$$\le =94$$
 , h =46 , x =0 , y =49 , v =4324

$$\le =74$$
 , h =4 , x =0 , y =95 , v =296

$$\mathbf{w}$$
 =6 , h =16 , x =94 , y =49 , v =96



$$\le =91$$
 ,  $h=48$  ,  $x=0$  ,  $y=0$  ,  $v=4368$ 

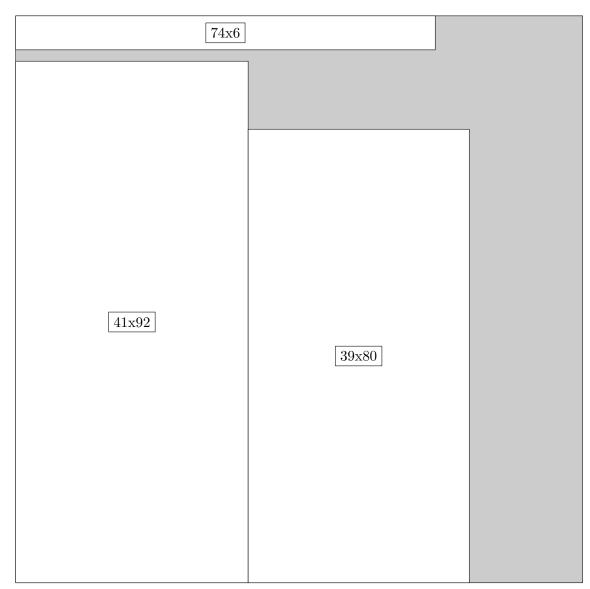
$$\le =87$$
 ,  $h=48$  ,  $x=0$  ,  $y=48$  ,  $v=4176$ 

$$\le =12$$
 , h =33 , x =87 , y =48 , v =396

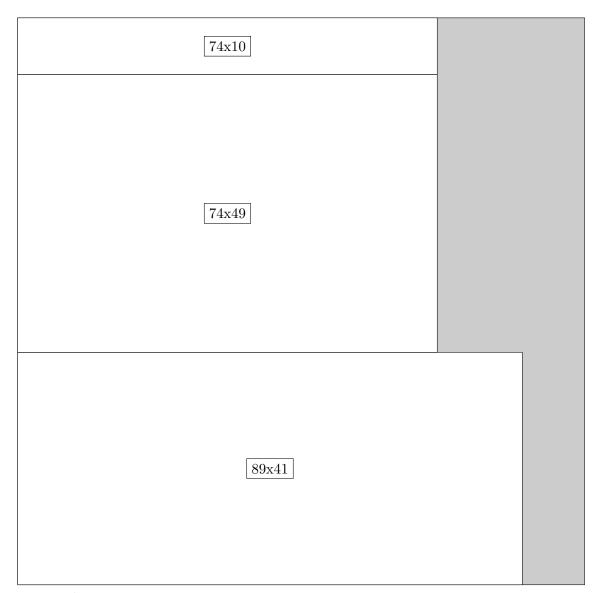
$$\mathbf{w}$$
 =67 , h =2 , x =0 , y =96 , v =134



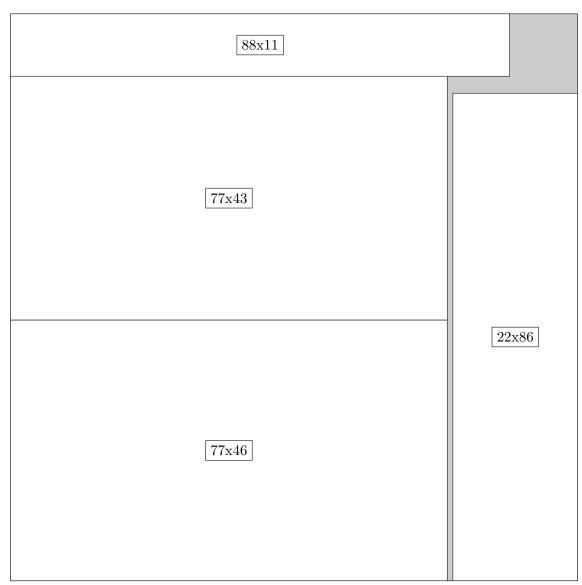
$$\begin{array}{c} w = \! 81 \; , \; h = \! 50 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4050 \\ w = \! 77 \; , \; h = \! 50 \; , \; x = \! 0 \; , \; y = \! 50 \; , \; v = \! 3850 \\ \end{array}$$



 $\begin{array}{l} w = \! 41 \ , \ h = \! 92 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3772 \\ w = \! 39 \ , \ h = \! 80 \ , \ x = \! 41 \ , \ y = \! 0 \ , \ v = \! 3120 \\ w = \! 74 \ , \ h = \! 6 \ , \ x = \! 0 \ , \ y = \! 94 \ , \ v = \! 444 \end{array}$ 



$$\begin{array}{l} w = \! 74 \ , \ h = \! 10 \ , \ x = \! 0 \ , \ y = \! 90 \ , \ v = \! 740 \\ w = \! 89 \ , \ h = \! 41 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3649 \\ w = \! 74 \ , \ h = \! 49 \ , \ x = \! 0 \ , \ y = \! 41 \ , \ v = \! 3626 \end{array}$$

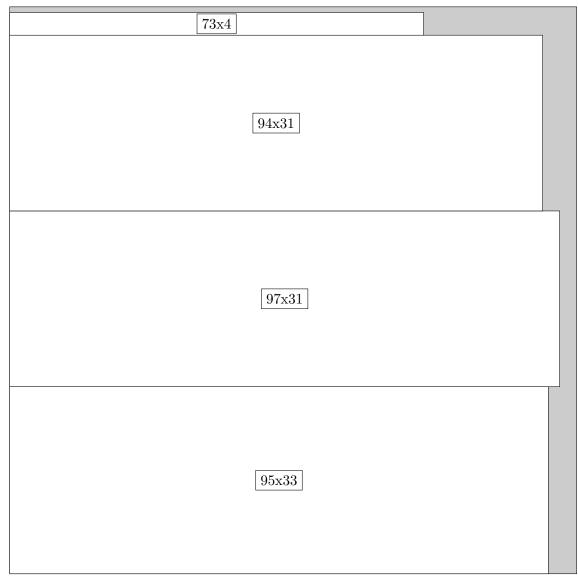


$$\mathbf{w}$$
 =77 ,  $\mathbf{h}$  =46 ,  $\mathbf{x}$  =0 ,  $\mathbf{y}$  =0 ,  $\mathbf{v}$  =3542

$$\le =22$$
 ,  $h=86$  ,  $x=78$  ,  $y=0$  ,  $v=1892$ 

$$\le =77$$
 , h =43 , x =0 , y =46 , v =3311

$$\le =88$$
 ,  $h$  =11 ,  $x$  =0 ,  $y$  =89 ,  $v$  =968

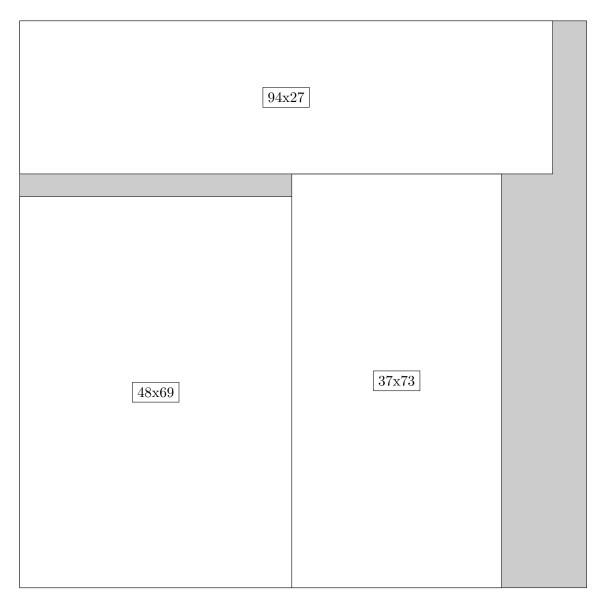


$$\le =95$$
 , h =33 , x =0 , y =0 , v =3135

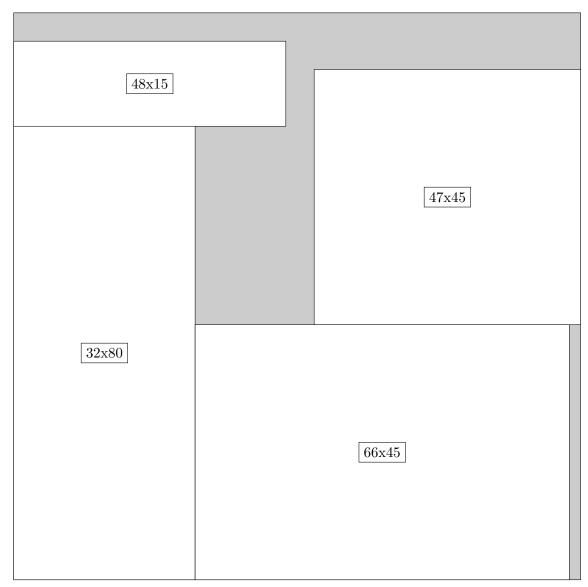
$$\le =97$$
 , h =31 , x =0 , y =33 , v =3007

$$\le =94$$
 , h =31 , x =0 , y =64 , v =2914

$$\le =73$$
 , h =4 , x =0 , y =95 , v =292



$$\begin{array}{l} w = \! 48 \ , \ h = \! 69 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3312 \\ w = \! 37 \ , \ h = \! 73 \ , \ x = \! 48 \ , \ y = \! 0 \ , \ v = \! 2701 \\ w = \! 94 \ , \ h = \! 27 \ , \ x = \! 0 \ , \ y = \! 73 \ , \ v = \! 2538 \end{array}$$

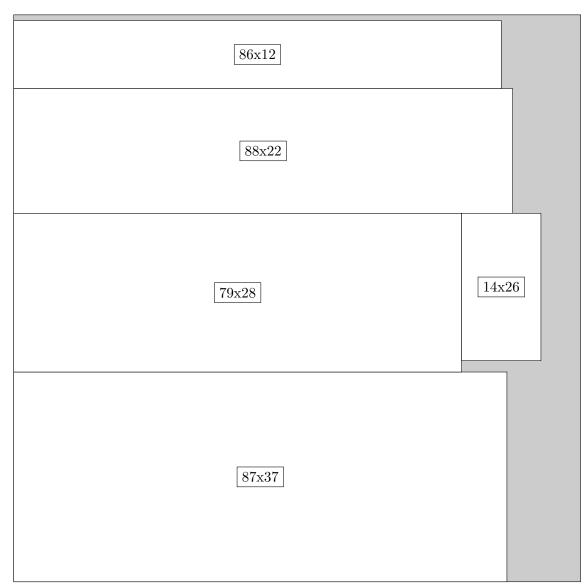


$$\le 32$$
 ,  $\le 80$  ,  $\le 90$  ,  $\le 90$  ,  $\le 90$  ,  $\le 90$  ,  $\le 90$ 

$$\le =66$$
 , h =45 , x =32 , y =0 , v =2970

$$\le =47$$
 , h =45 , x =53 , y =45 , v =2115

$$\le =48$$
 ,  $h$  =15 ,  $x$  =0 ,  $y$  =80 ,  $v$  =720



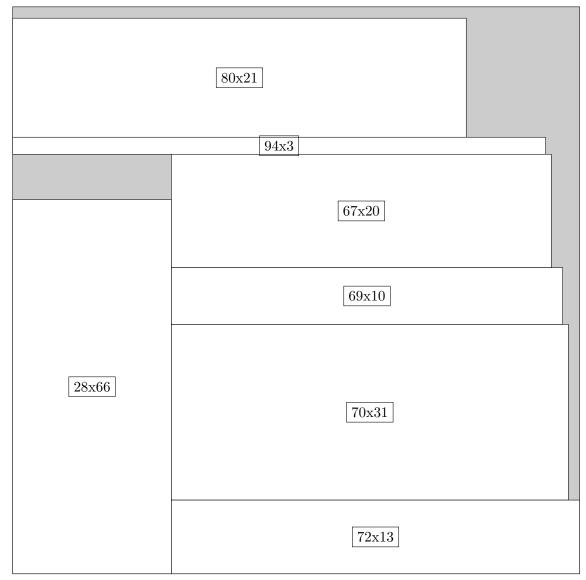
$$\le =87$$
 ,  $h=37$  ,  $x=0$  ,  $y=0$  ,  $v=3219$ 

$$\le =79$$
 , h =28 , x =0 , y =37 , v =2212

$$\le =88$$
 , h =22 , x =0 , y =65 , v =1936

$$\le =86$$
 ,  $h$  =12 ,  $x$  =0 ,  $y$  =87 ,  $v$  =1032

$$\mathbf{w}$$
 =14 , h =26 , x =79 , y =39 , v =364



$$w = 28$$
,  $h = 66$ ,  $x = 0$ ,  $y = 0$ ,  $v = 1848$ 

$$\le =70$$
 , h =31 , x =28 , y =13 , v =2170

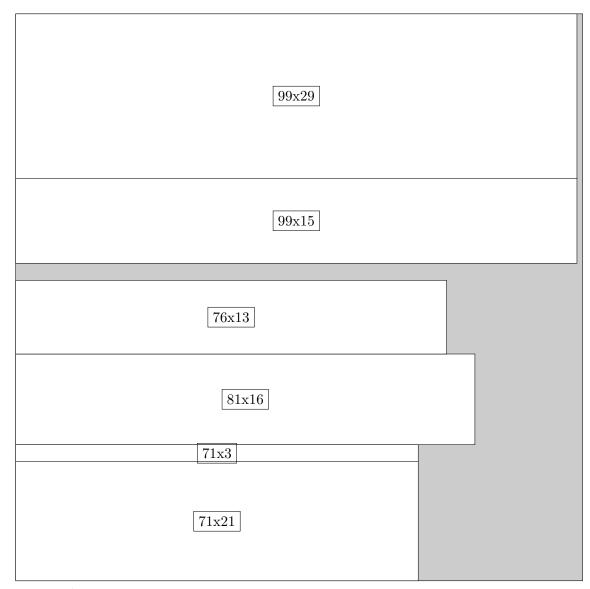
$$\le =80$$
 , h =21 , x =0 , y =77 , v =1680

$$\le =67$$
 , h =20 , x =28 , y =54 , v =1340

$$\le =72$$
 , h =13 , x =28 , y =0 , v =936

$$\le =69$$
 ,  $h=10$  ,  $x=28$  ,  $y=44$  ,  $v=690$ 

$$w = 94$$
,  $h = 3$ ,  $x = 0$ ,  $y = 74$ ,  $v = 282$ 



$$w$$
 =99 ,  $h$  =29 ,  $x$  =0 ,  $y$  =71 ,  $v$  =2871

$$\mathbf{w}$$
 =71 ,  $\mathbf{h}$  =21 ,  $\mathbf{x}$  =0 ,  $\mathbf{y}$  =0 ,  $\mathbf{v}$  =1491

$$\le =99$$
 , h =15 , x =0 , y =  
56 , v =1485

$$\le =81$$
 ,  $h$  =16 ,  $x$  =0 ,  $y$  =24 ,  $v$  =1296

$$\le =76$$
 ,  $h=13$  ,  $x=0$  ,  $y=40$  ,  $v=988$ 

$$\le =71$$
 ,  $h=3$  ,  $x=0$  ,  $y=21$  ,  $v=213$