$ClassName: {\bf Class\_08.2bp\text{-}41}$ 

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

TypeNum:  $\underline{100}$ Num:  $\underline{100}$ OutS:  $\underline{270000}$ InS:  $\underline{228449}$ Rate:  $\underline{0.846}$ UB:  $\underline{27}$ LB0:  $\underline{27}$ 

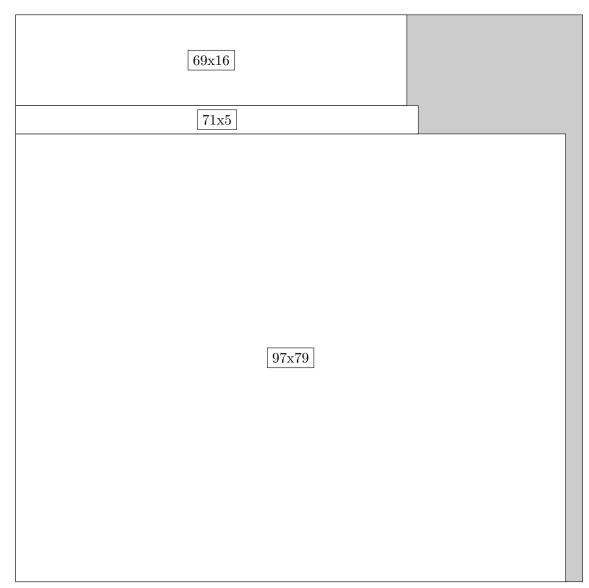
LB: <u>27</u> LBWithCut: <u>27</u> NodeCut: <u>0</u>

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

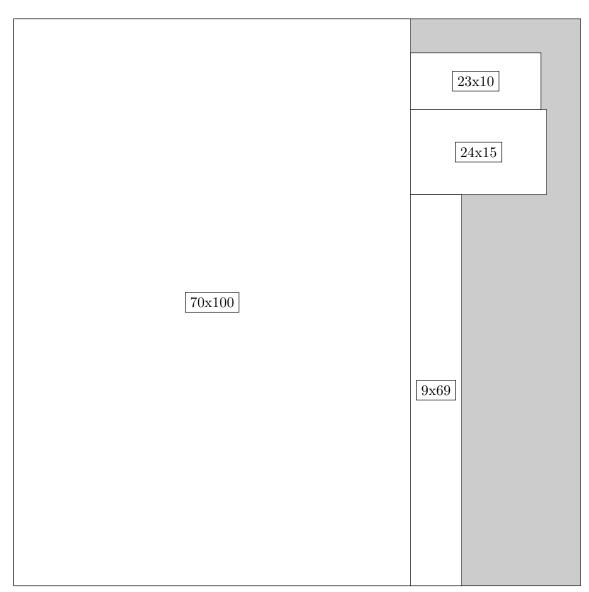
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{27}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

isOpt: **true** 

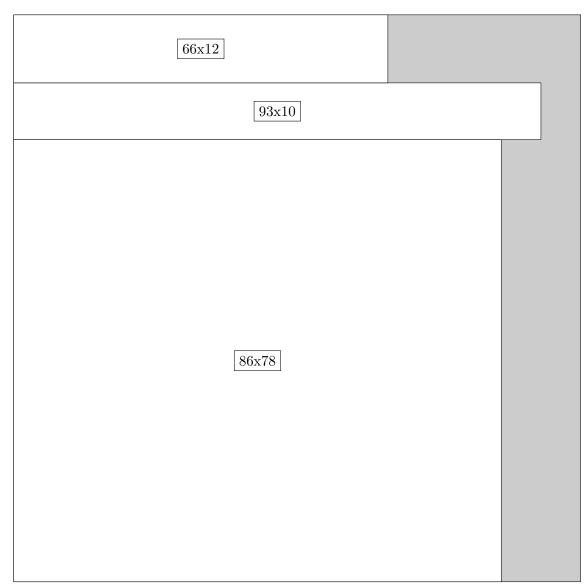
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.390 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.062 \ s} \\ {\rm TotalTime:} \ \underline{0.515 \ s} \\ \end{array}$ 



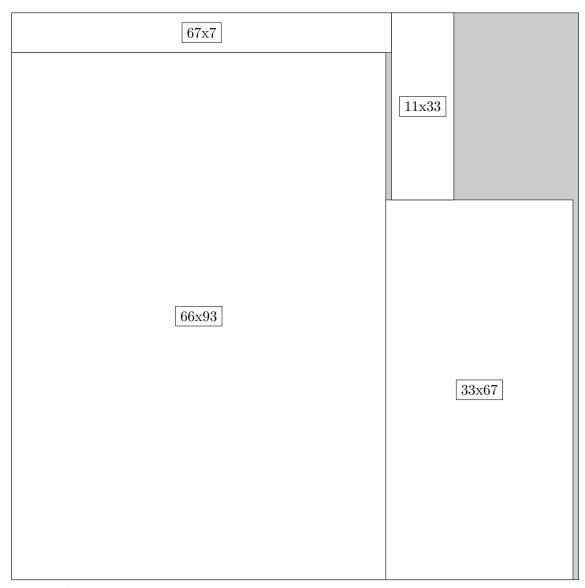
$$\begin{array}{l} w = \! 97 \ , \ h = \! 79 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7663 \\ w = \! 69 \ , \ h = \! 16 \ , \ x = \! 0 \ , \ y = \! 84 \ , \ v = \! 1104 \\ w = \! 71 \ , \ h = \! 5 \ , \ x = \! 0 \ , \ y = \! 79 \ , \ v = \! 355 \end{array}$$



 $\begin{array}{l} w = \! 70 \; , \; h = \! 100 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7000 \\ w = \! 24 \; , \; h = \! 15 \; , \; x = \! 70 \; , \; y = \! 69 \; , \; v = \! 360 \\ w = \! 9 \; , \; h = \! 69 \; , \; x = \! 70 \; , \; y = \! 0 \; , \; v = \! 621 \\ w = \! 23 \; , \; h = \! 10 \; , \; x = \! 70 \; , \; y = \! 84 \; , \; v = \! 230 \end{array}$ 



$$\begin{array}{l} w = \! 86 \ , \ h = \! 78 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6708 \\ w = \! 93 \ , \ h = \! 10 \ , \ x = \! 0 \ , \ y = \! 78 \ , \ v = \! 930 \\ w = \! 66 \ , \ h = \! 12 \ , \ x = \! 0 \ , \ y = \! 88 \ , \ v = \! 792 \end{array}$$

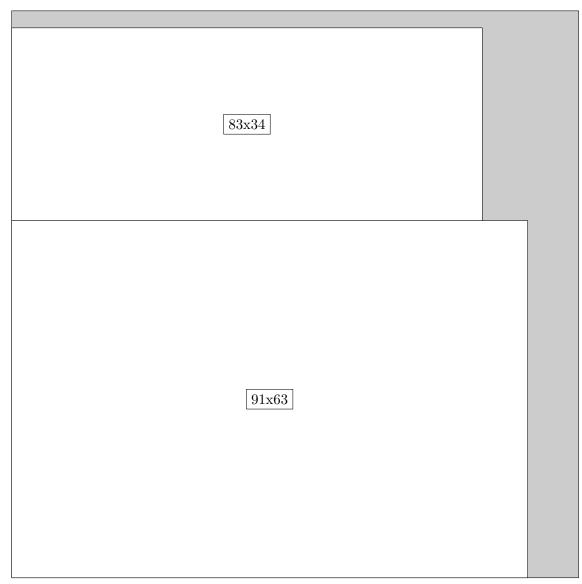


$$\le =66$$
 , h =93 , x =0 , y =0 , v =6138

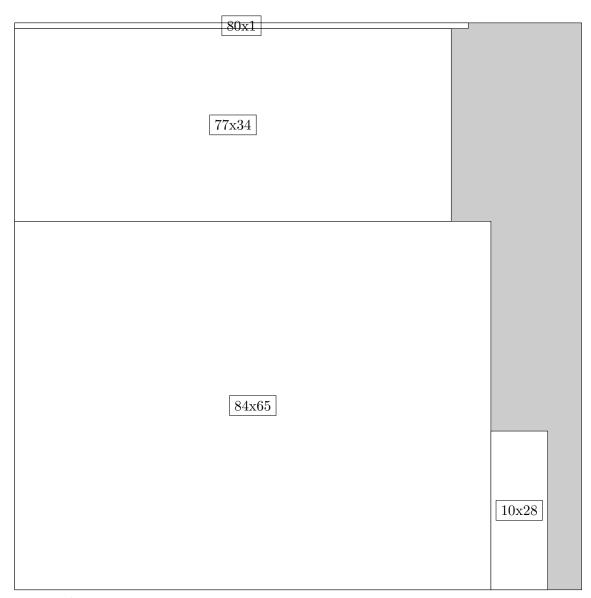
$$w$$
 =33 ,  $h$  =67 ,  $x$  =66 ,  $y$  =0 ,  $v$  =2211

$$\mathbf{w}$$
 =67 , h =7 , x =0 , y =93 , v =469

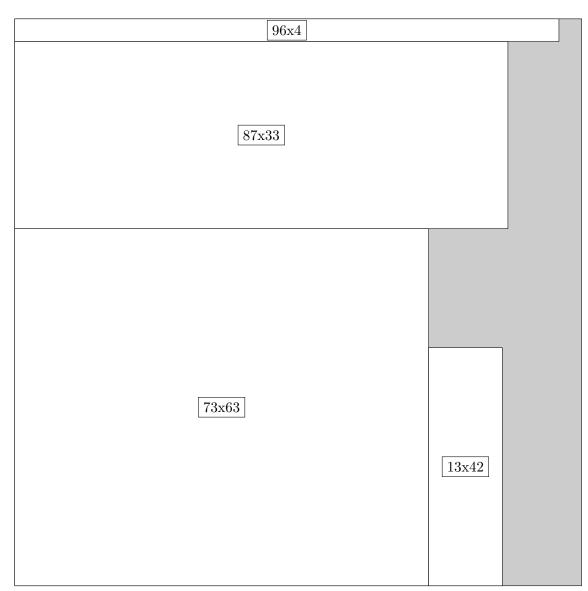
$$w=\!11$$
 ,  $h=\!33$  ,  $x=\!67$  ,  $y=\!67$  ,  $v=\!363$ 



$$\begin{array}{l} w = \! 91 \ , \ h = \! 63 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5733 \\ w = \! 83 \ , \ h = \! 34 \ , \ x = \! 0 \ , \ y = \! 63 \ , \ v = \! 2822 \end{array}$$



$$\begin{array}{l} w = \! 84 \; , \; h = \! 65 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 5460 \\ w = \! 77 \; , \; h = \! 34 \; , \; x = \! 0 \; , \; y = \! 65 \; , \; v = \! 2618 \\ w = \! 10 \; , \; h = \! 28 \; , \; x = \! 84 \; , \; y = \! 0 \; , \; v = \! 280 \\ w = \! 80 \; , \; h = \! 1 \; , \; x = \! 0 \; , \; y = \! 99 \; , \; v = \! 80 \end{array}$$

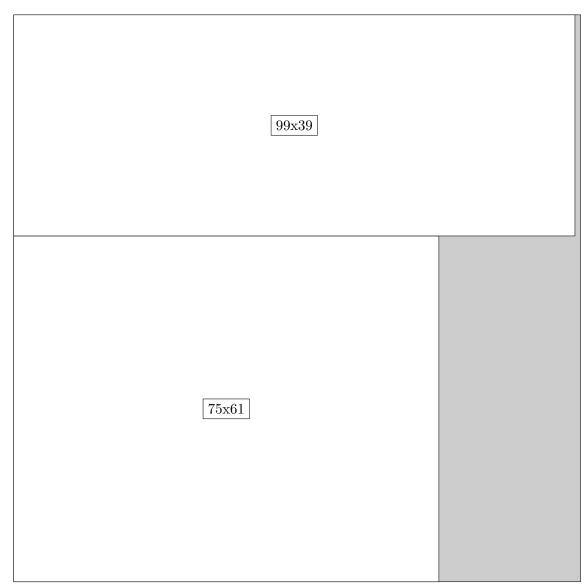


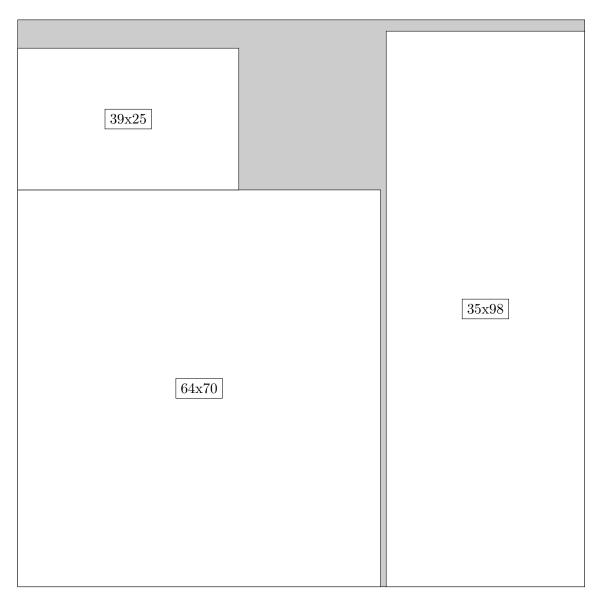
$$\le -73$$
 , h =63 , x =0 , y =0 , v =4599

$$\le =87$$
 , h =33 , x =0 , y =63 , v =2871

$$\le =13$$
 , h =42 , x =73 , y =0 , v =546

$$\le =96$$
 , h =4 , x =0 , y =96 , v =384

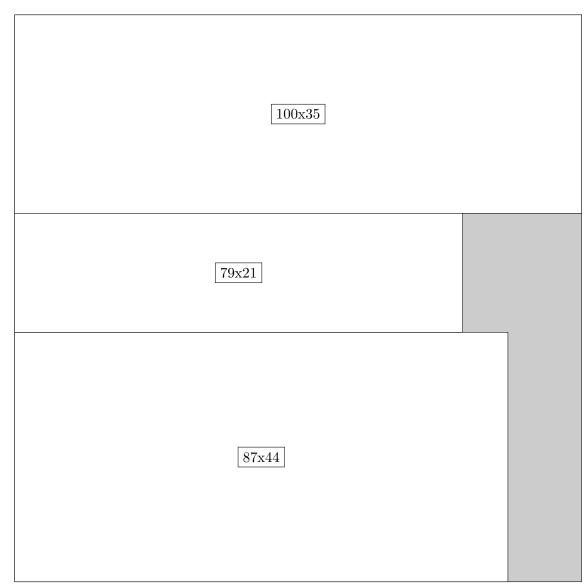




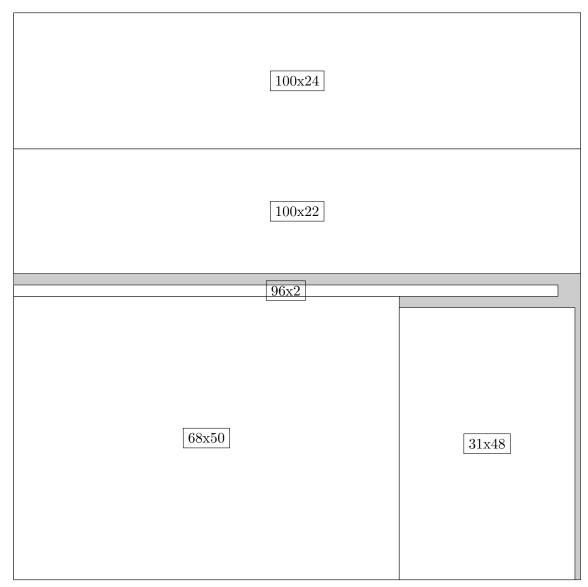
$$w = 64$$
,  $h = 70$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4480$ 

$$\le =35$$
 , h =98 , x =65 , y =0 , v =3430

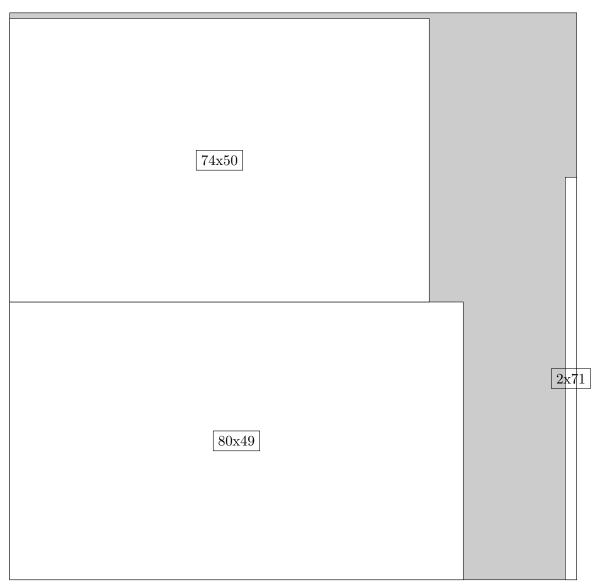
$$\le =39$$
 , h =25 , x =0 , y =70 , v =975



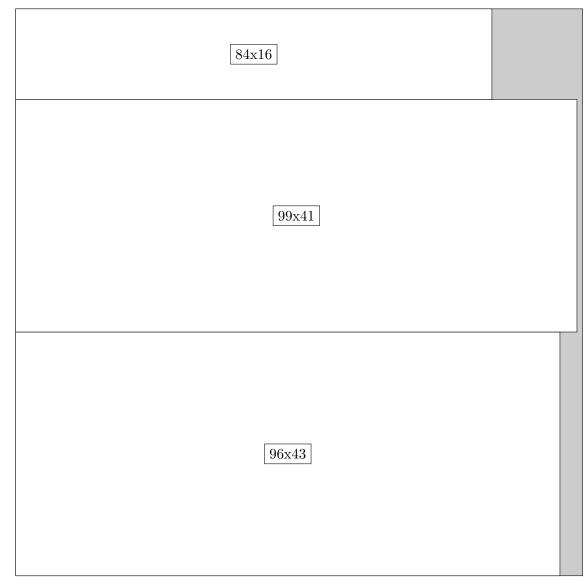
$$\begin{array}{l} w = \! 87 \; , \; h = \! 44 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3828 \\ w = \! 100 \; , \; h = \! 35 \; , \; x = \! 0 \; , \; y = \! 65 \; , \; v = \! 3500 \\ w = \! 79 \; , \; h = \! 21 \; , \; x = \! 0 \; , \; y = \! 44 \; , \; v = \! 1659 \end{array}$$



$$\begin{array}{l} w = \!68 \;, \; h = \!50 \;, \; x = \!0 \;, \; y = \!0 \;, \; v = \!3400 \\ w = \!100 \;, \; h = \!24 \;, \; x = \!0 \;, \; y = \!76 \;, \; v = \!2400 \\ w = \!100 \;, \; h = \!22 \;, \; x = \!0 \;, \; y = \!54 \;, \; v = \!2200 \\ w = \!31 \;, \; h = \!48 \;, \; x = \!68 \;, \; y = \!0 \;, \; v = \!1488 \\ w = \!96 \;, \; h = \!2 \;, \; x = \!0 \;, \; y = \!50 \;, \; v = \!192 \end{array}$$

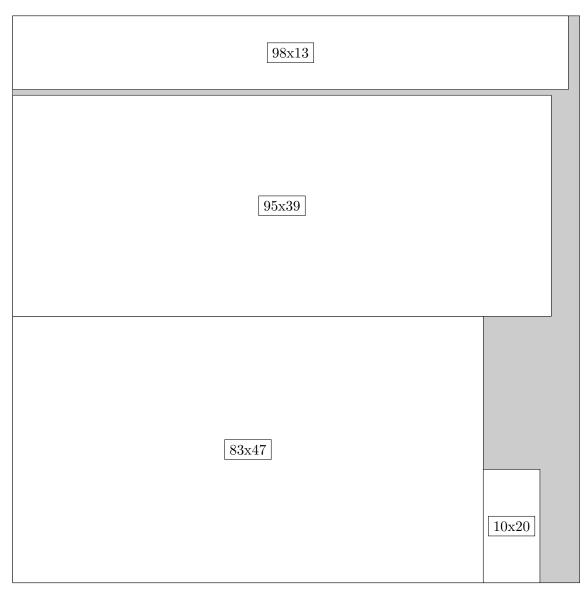


$$\begin{array}{l} w = \! 80 \ , \ h = \! 49 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3920 \\ w = \! 74 \ , \ h = \! 50 \ , \ x = \! 0 \ , \ y = \! 49 \ , \ v = \! 3700 \\ w = \! 2 \ , \ h = \! 71 \ , \ x = \! 98 \ , \ y = \! 0 \ , \ v = \! 142 \end{array}$$



$$\begin{array}{l} w = \! 96 \ , \ h = \! 43 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4128 \\ w = \! 99 \ , \ h = \! 41 \ , \ x = \! 0 \ , \ y = \! 43 \ , \ v = \! 4059 \end{array}$$

$$w = 84$$
 ,  $h = 16$  ,  $x = 0$  ,  $y = 84$  ,  $v = 1344$ 

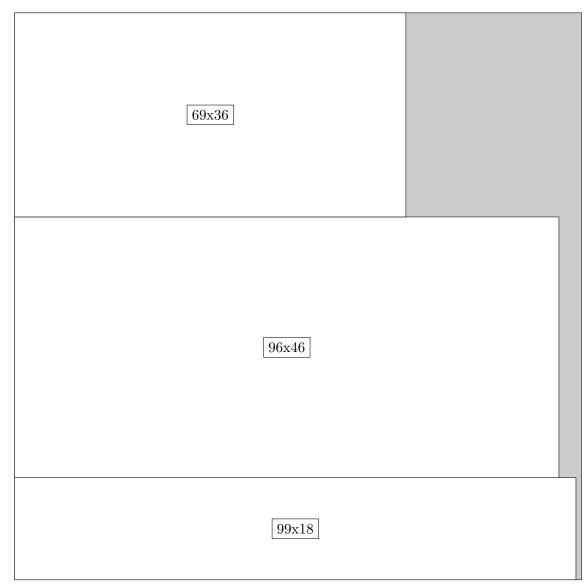


$$w = 83$$
,  $h = 47$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3901$ 

$$\le =95$$
 , h =39 , x =0 , y =47 , v =3705

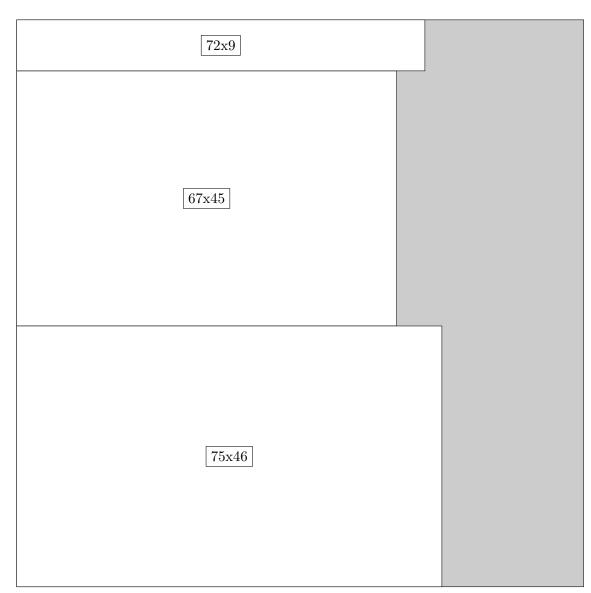
$$\le =98$$
 , h =13 , x =0 , y =87 , v =1274

$$\le =10$$
 ,  $h$  =20 ,  $x$  =83 ,  $y$  =0 ,  $v$  =200



$$\begin{array}{l} w = \! 96 \ , \ h = \! 46 \ , \ x = \! 0 \ , \ y = \! 18 \ , \ v = \! 4416 \\ w = \! 69 \ , \ h = \! 36 \ , \ x = \! 0 \ , \ y = \! 64 \ , \ v = \! 2484 \end{array}$$

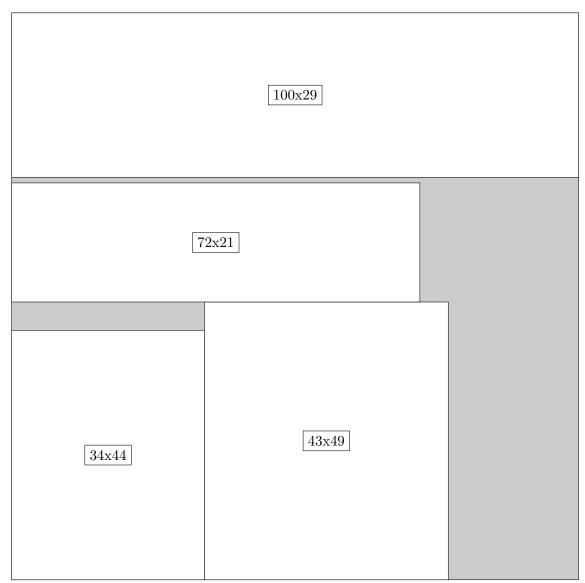
$$\mathbf{w}$$
 =99 ,  $\mathbf{h}$  =18 ,  $\mathbf{x}$  =0 ,  $\mathbf{y}$  =0 ,  $\mathbf{v}$  =1782



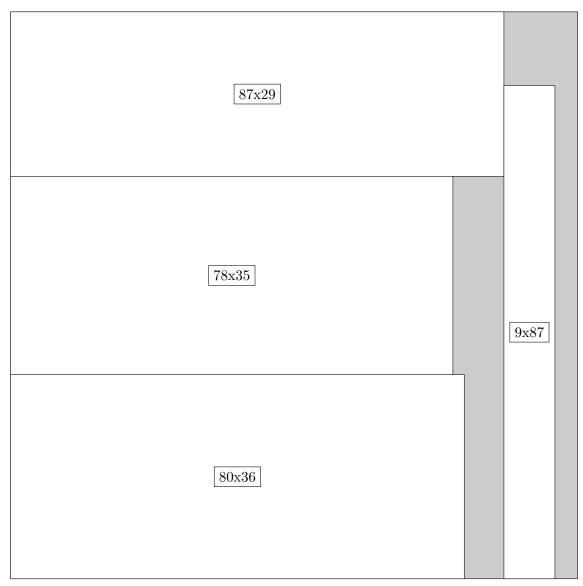
$$w = 67$$
,  $h = 45$ ,  $x = 0$ ,  $y = 46$ ,  $v = 3015$ 

$$\le =75$$
 , h =46 , x =0 , y =0 , v =3450

$$\le -72$$
 , h =9 , x =0 , y =91 , v =648



$$\begin{array}{l} w = & 34 \ , \ h = & 44 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 1496 \\ w = & 100 \ , \ h = & 29 \ , \ x = & 0 \ , \ y = & 71 \ , \ v = & 2900 \\ w = & 43 \ , \ h = & 49 \ , \ x = & 34 \ , \ y = & 0 \ , \ v = & 2107 \\ w = & 72 \ , \ h = & 21 \ , \ x = & 0 \ , \ y = & 49 \ , \ v = & 1512 \end{array}$$

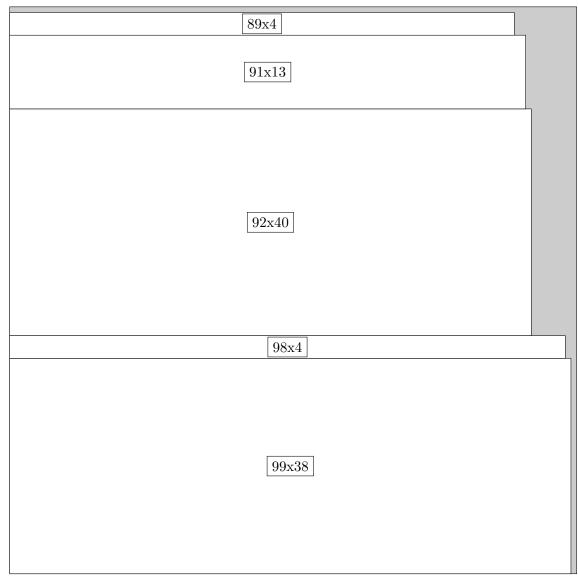


$$\mathbf{w}$$
 =80 , h =36 , x =0 , y =0 , v =2880

$$\le -78$$
 , h =35 , x =0 , y =36 , v =2730

$$\le =87$$
 , h =29 , x =0 , y =71 , v =2523

$$w=9$$
 ,  $h$  =87 ,  $x$  =87 ,  $y$  =0 ,  $v$  =783



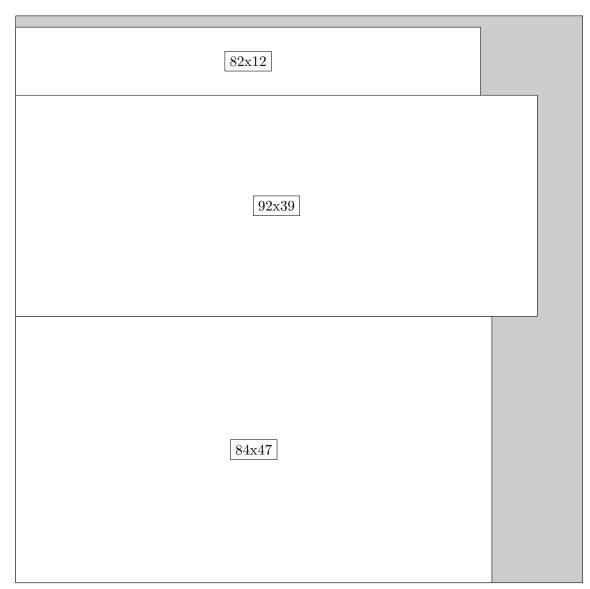
$$w=99$$
 ,  $h=38$  ,  $x=0$  ,  $y=0$  ,  $v=3762$ 

$$\le =92$$
 , h =40 , x =0 , y =42 , v =3680

$$\le =91$$
 , h =13 , x =0 , y =82 , v =1183

$$\le =98$$
 , h =4 , x =0 , y =38 , v =392

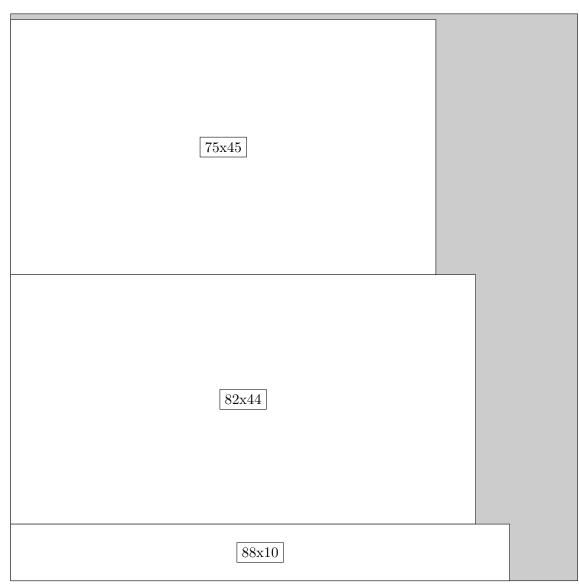
$$w = 89$$
,  $h = 4$ ,  $x = 0$ ,  $y = 95$ ,  $v = 356$ 



$$w = 84$$
,  $h = 47$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3948$ 

$$\le =92$$
 , h =39 , x =0 , y =47 , v =3588

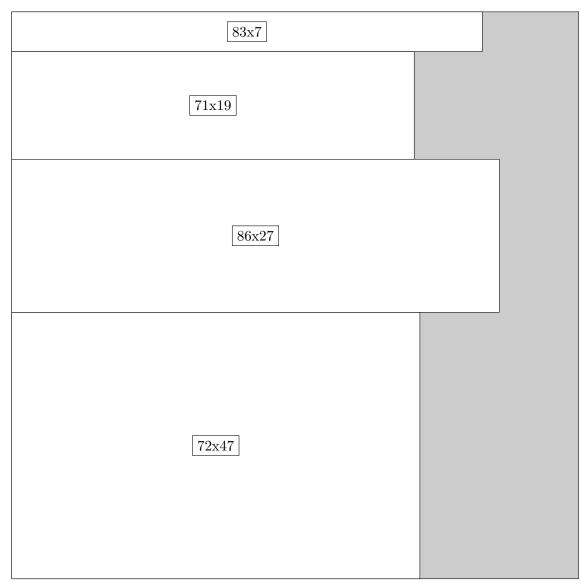
$$\le =82$$
 , h =12 , x =0 , y =86 , v =984



$$\le =82$$
 , h =44 , x =0 , y =10 , v =3608

$$w$$
 =75 ,  $h$  =45 ,  $x$  =0 ,  $y$  =54 ,  $v$  =3375

$$\le =88$$
 ,  $h$  =10 ,  $x$  =0 ,  $y$  =0 ,  $v$  =880

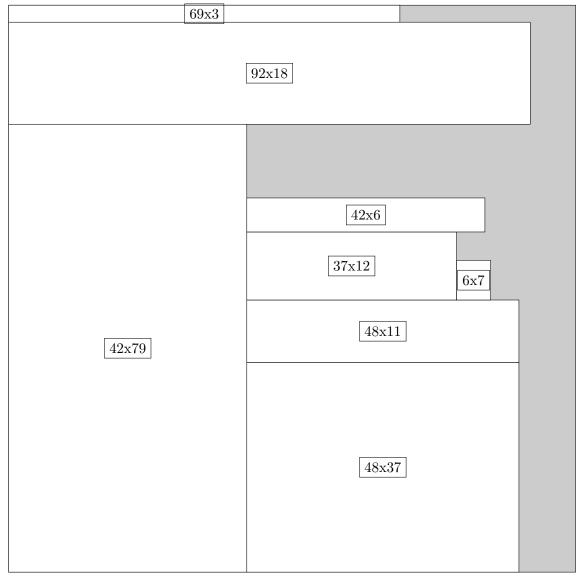


$$\mathbf{w}$$
 =72 , h =47 , x =0 , y =0 , v =3384

$$\le =86$$
 ,  $h$  =27 ,  $x$  =0 ,  $y$  =47 ,  $v$  =2322

$$\mathbf{w}$$
 =71 , h =19 , x =0 , y =74 , v =1349

$$\le =83$$
 ,  $h$  =7 ,  $x$  =0 ,  $y$  =93 ,  $v$  =581



$$\le =42$$
 ,  $h$  =79 ,  $x$  =0 ,  $y$  =0 ,  $v$  =3318

$$\le =48$$
 , h =37 , x =42 , y =0 , v =1776

$$\le =92$$
 ,  $h=18$  ,  $x=0$  ,  $y=79$  ,  $v=1656$ 

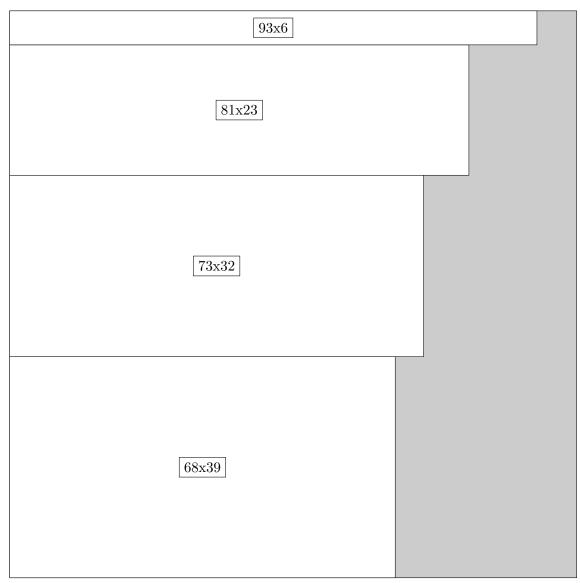
$$w=\!48$$
 ,  $h=\!11$  ,  $x=\!42$  ,  $y=\!37$  ,  $v=\!528$ 

$$w=\!37$$
 ,  $h=\!12$  ,  $x=\!42$  ,  $y=\!48$  ,  $v=\!444$ 

$$\le =42$$
 ,  $h=6$  ,  $x=42$  ,  $y=60$  ,  $v=252$ 

$$\le =69$$
 , h =3 , x =0 , y =97 , v =207

$$w = 6$$
,  $h = 7$ ,  $x = 79$ ,  $y = 48$ ,  $v = 42$ 

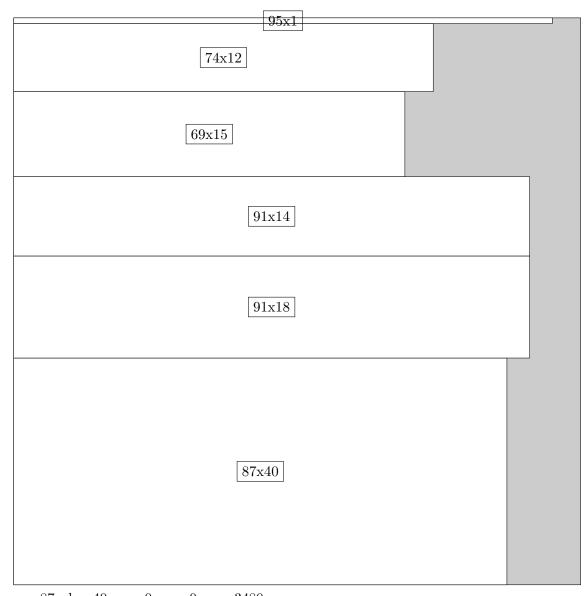


$$\le =68$$
 , h =39 , x =0 , y =0 , v =2652

$$\le -73$$
 , h =32 , x =0 , y =39 , v =2336

$$\le =81$$
 ,  $h$  =23 ,  $x$  =0 ,  $y$  =71 ,  $v$  =1863

$$\le =93$$
 , h =6 , x =0 , y =94 , v =558



$$\begin{array}{l} w = \!\! 87 \; , \; h = \!\! 40 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 3480 \\ w = \!\! 91 \; , \; h = \!\! 18 \; , \; x = \!\! 0 \; , \; y = \!\! 40 \; , \; v = \!\! 1638 \\ \end{array}$$

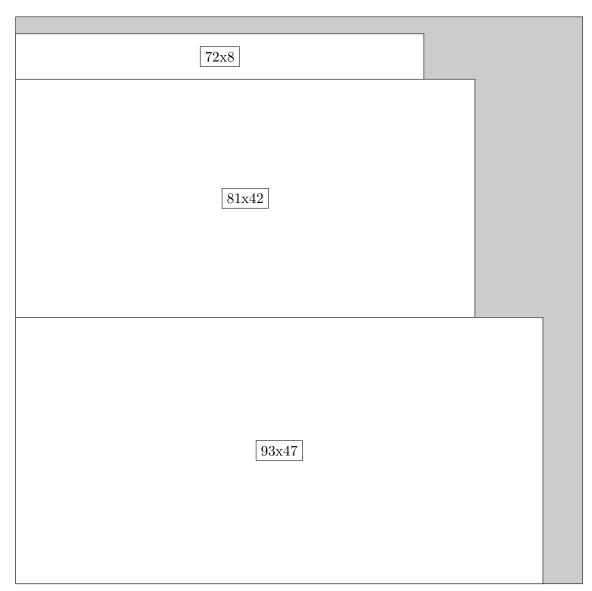
$$w = 91$$
,  $h = 18$ ,  $x = 0$ ,  $y = 40$ ,  $v = 1638$ 

$$\le =91$$
 , h =14 , x =0 , y =58 , v =1274

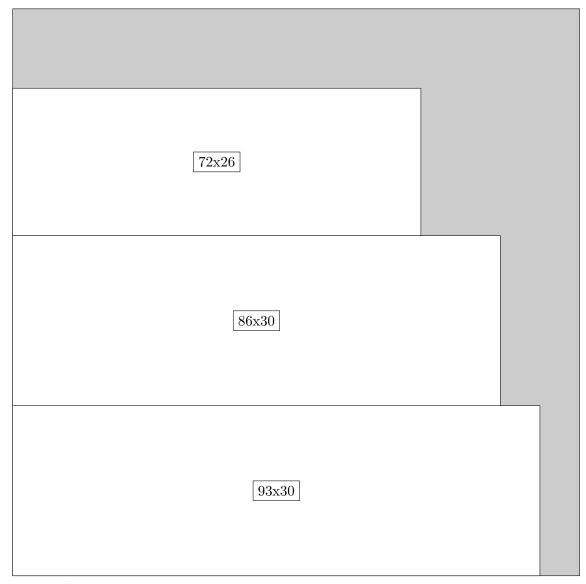
$$w = 69$$
,  $h = 15$ ,  $x = 0$ ,  $y = 72$ ,  $v = 1035$ 

$$\mathbf{w}$$
 =74 , h =12 , x =0 , y =87 , v =888

$$w=95$$
 ,  $h=1$  ,  $x=0$  ,  $y=99$  ,  $v=95$ 



$$\begin{array}{l} w = \! 81 \ , \ h = \! 42 \ , \ x = \! 0 \ , \ y = \! 47 \ , \ v = \! 3402 \\ w = \! 93 \ , \ h = \! 47 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4371 \\ w = \! 72 \ , \ h = \! 8 \ , \ x = \! 0 \ , \ y = \! 89 \ , \ v = \! 576 \end{array}$$



$$\le =93$$
 , h =30 , x =0 , y =0 , v =2790

$$\le =86$$
 ,  $h=30$  ,  $x=0$  ,  $y=30$  ,  $v=2580$ 

$$\le =72$$
 , h =26 , x =0 , y =60 , v =1872