$ClassName: \ Class_05.2bp-48$

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

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>270000</u> InS: <u>249113</u> Rate: <u>0.923</u> UB: <u>27</u> LB0: <u>27</u>

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

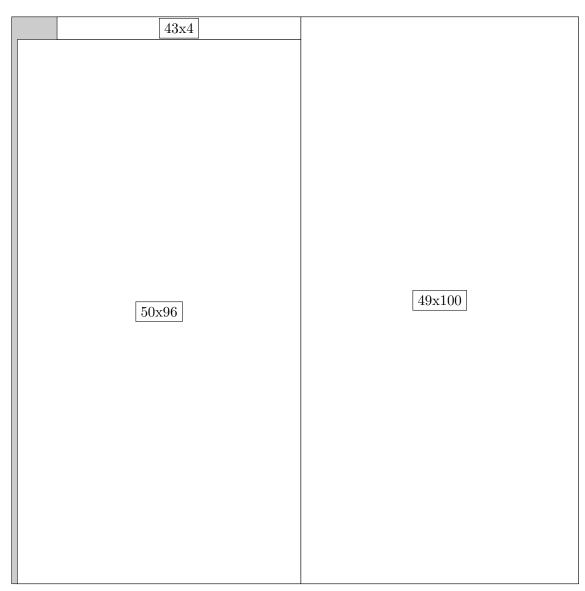
 $\operatorname{ExtendedNodeCnt}$: $\underline{\mathbf{1}}$

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

TimeOnInitSolution: $\underline{600.000 \text{ s}}$

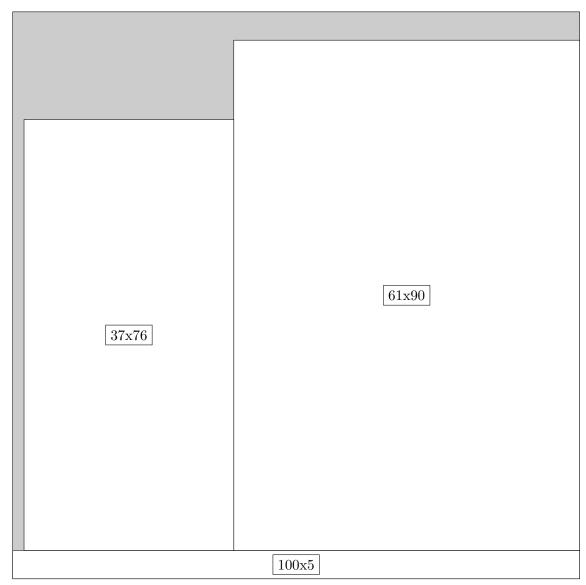
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.421 s



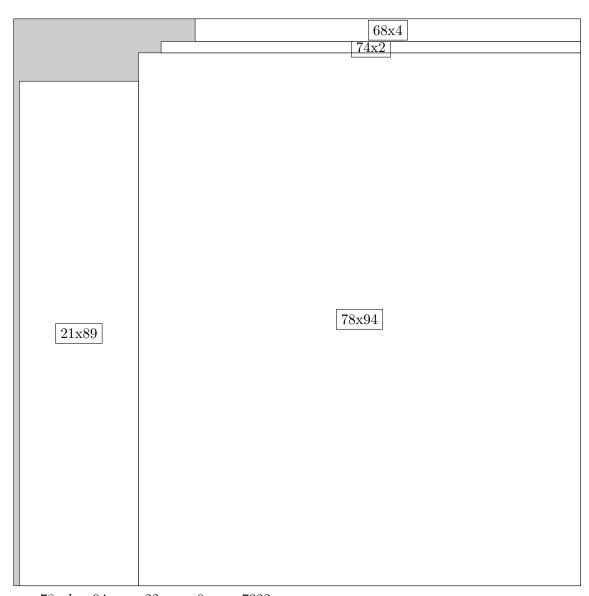
w =49 , h =100 , x =51 , y =0 , v =4900

w =50 , h =96 , x =1 , y =0 , v =4800

 $\le =43$, h =4 , x =8 , y =96 , v =172



$$\begin{array}{l} w = & 100 \ , \ h = & 5 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 500 \\ w = & 61 \ , \ h = & 90 \ , \ x = & 39 \ , \ y = & 5 \ , \ v = & 5490 \\ w = & 37 \ , \ h = & 76 \ , \ x = & 2 \ , \ y = & 5 \ , \ v = & 2812 \end{array}$$



$$\begin{array}{l} w = \! 78 \ , \ h = \! 94 \ , \ x = \! 22 \ , \ y = \! 0 \ , \ v = \! 7332 \\ w = \! 74 \ , \ h = \! 2 \ , \ x = \! 26 \ , \ y = \! 94 \ , \ v = \! 148 \end{array}$$

$$\le =68$$
 , h =4 , x =32 , y =96 , v =272

$$\le =21$$
 , $h=89$, $x=1$, $y=0$, $v=1869$

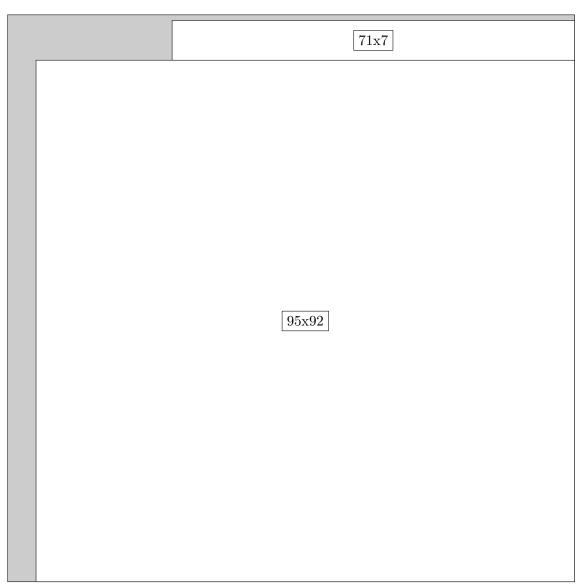
| 53x42 | | |
|-------|--------|--------|
| 55x58 | 20x100 | 22x100 |

$$\le =22$$
 , h =100 , x =78 , y =0 , v =2200

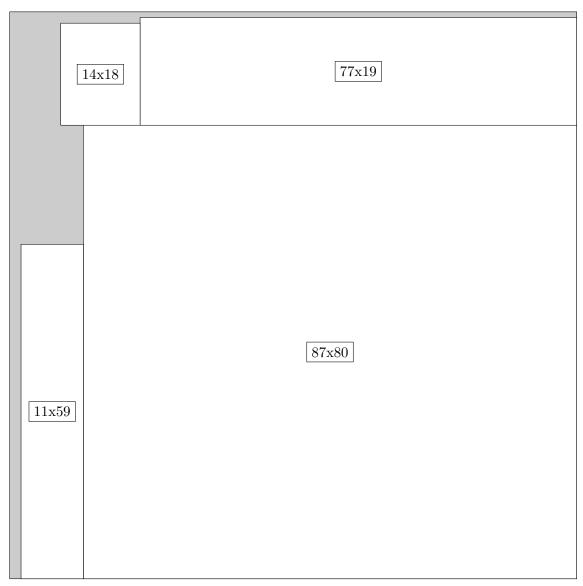
$$\le =20$$
 , h =100 , x =58 , y =0 , v =2000

$$\le =55$$
 , h =
58 , x =
3 , y =
0 , v =
3190

$$\le =53$$
 , h =42 , x =5 , y =58 , v =2226



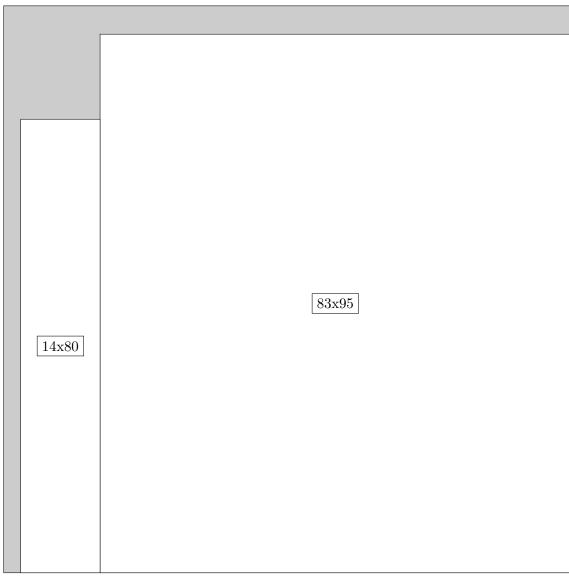
$$\begin{array}{l} w = \! 95 \; , \; h = \! 92 \; , \; x = \! 5 \; , \; y = \! 0 \; , \; v = \! 8740 \\ w = \! 71 \; , \; h = \! 7 \; , \; x = \! 29 \; , \; y = \! 92 \; , \; v = \! 497 \end{array}$$



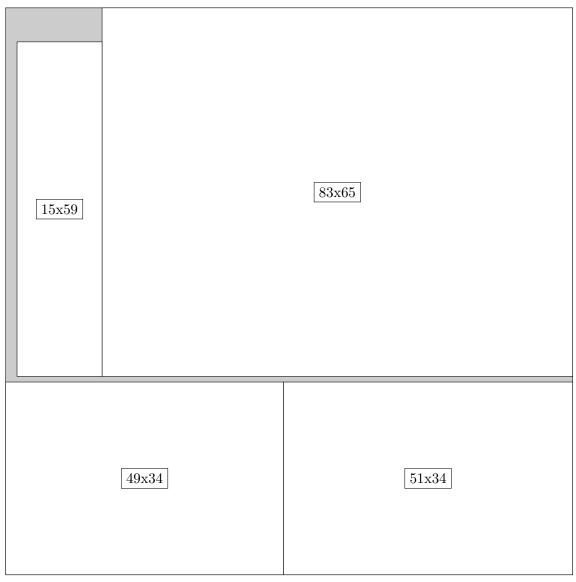
$$w$$
 =87 , h =80 , x =13 , y =0 , v =6960

$$\le =77$$
 , h =19 , x =23 , y =80 , v =1463

$$w$$
 =14 , h =18 , x =9 , y =80 , v =252



$$\begin{array}{l} w = \! 83 \ , \ h = \! 95 \ , \ x = \! 17 \ , \ y = \! 0 \ , \ v = \! 7885 \\ w = \! 14 \ , \ h = \! 80 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 1120 \end{array}$$

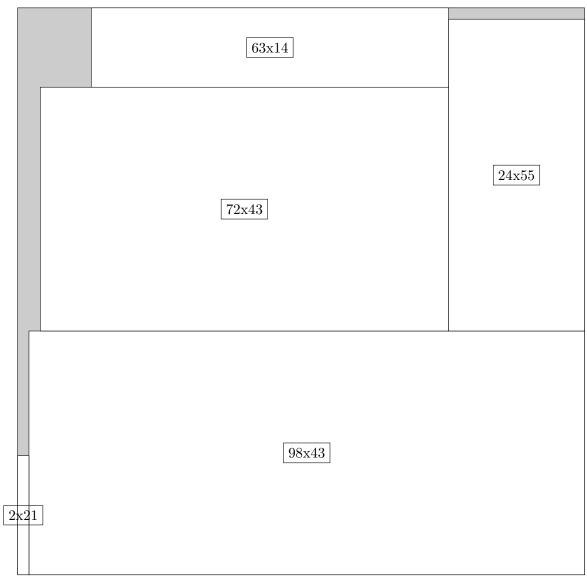


$$w$$
 =51 , h =34 , x =49 , y =0 , v =1734

$$\le =49$$
 , h =34 , x =0 , y =0 , v =1666

$$\le =83$$
 , h =65 , x =17 , y =35 , v =5395

$$w$$
 =15 , h =59 , x =2 , y =35 , v =885



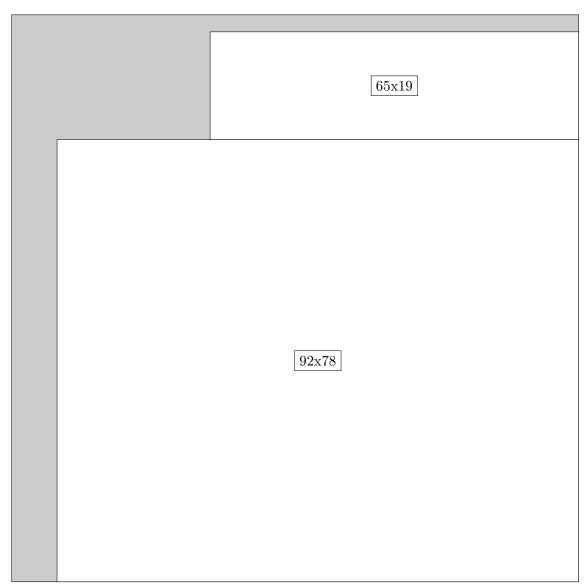
$$w$$
 =98 , h =43 , x =2 , y =0 , v =4214

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

$$\le =24$$
 , h =55 , x =76 , y =43 , v =1320

$$\le =72$$
 , h =43 , x =4 , y =43 , v =3096

$$\le =63$$
 , $h=14$, $x=13$, $y=86$, $v=882$



$$\begin{array}{l} w = 92 \; , \; h = 78 \; , \; x = 8 \; , \; y = 0 \; , \; v = 7176 \\ w = 65 \; , \; h = 19 \; , \; x = 35 \; , \; y = 78 \; , \; v = 1235 \end{array}$$

| 50x13 | 45x13 | |
|-------|-------|--|
| | | |
| | | |
| 92x82 | | |
| | | |
| | | |

$$w = 92$$
, $h = 82$, $x = 8$, $y = 0$, $v = 7544$

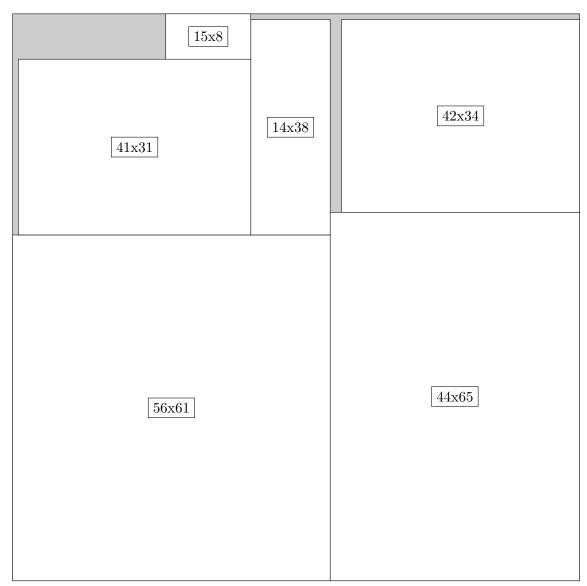
$$\le =45$$
 , h =13 , x =55 , y =82 , v =585

$$\le =50$$
 , h =13 , x =5 , y =82 , v =650



$$\le =14$$
 , $h=26$, $x=23$, $y=60$, $v=364$

$$\le =16$$
 , $h=24$, $x=0$, $y=0$, $v=384$



$$w = 44$$
, $h = 65$, $x = 56$, $y = 0$, $v = 2860$

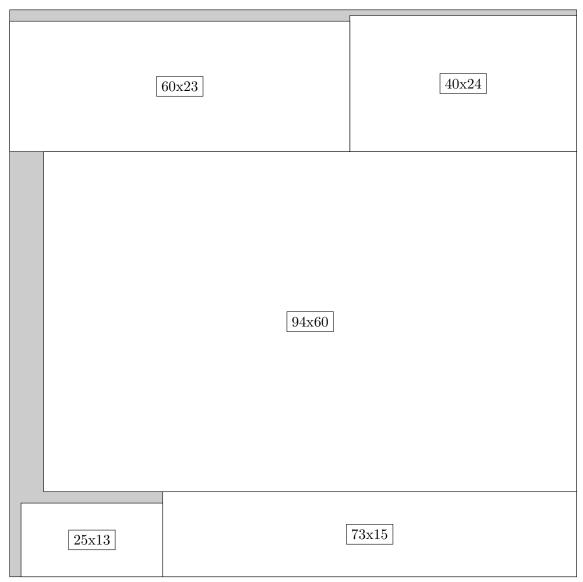
$$\le =42$$
 , h =34 , x =58 , y =65 , v =1428

$$\mathbf{w}$$
 =56 , h =61 , x =0 , y =0 , v =3416

$$\mathbf{w}$$
 =14 , h =38 , x =42 , y =61 , v =532

$$w$$
 =41 , h =31 , x =1 , y =61 , v =1271

$$\le =15$$
 , $h=8$, $x=27$, $y=92$, $v=120$



$$w$$
 =73 , h =15 , x =27 , y =0 , v =1095

$$\le =25$$
 , h =13 , x =2 , y =0 , v =325

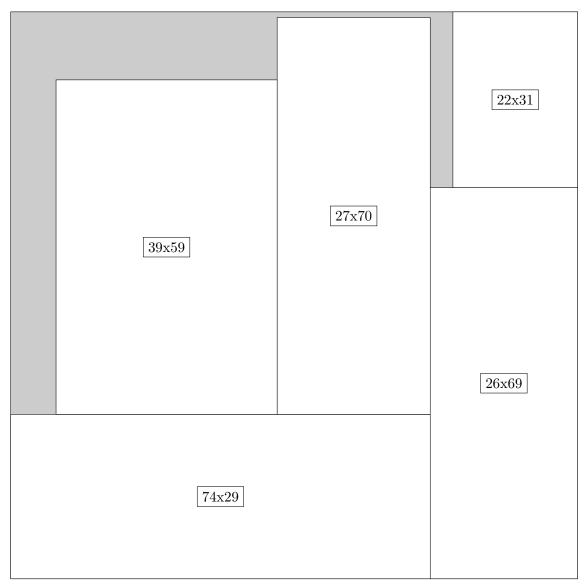
$$\le =94$$
 , $h=\!60$, $x=\!6$, $y=\!15$, $v=\!5640$

$$\le =40$$
 , h =24 , x =60 , y =75 , v =960

$$\le =60$$
 , h =23 , x =0 , y =75 , v =1380

| 55x25 | | 41x28 |
|-------|--------|-------|
| | | |
| | 100x70 | |
| | | |

$$\begin{array}{l} w = \! 100 \ , \ h = \! 70 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7000 \\ w = \! 41 \ , \ h = \! 28 \ , \ x = \! 59 \ , \ y = \! 70 \ , \ v = \! 1148 \\ w = \! 55 \ , \ h = \! 25 \ , \ x = \! 4 \ , \ y = \! 70 \ , \ v = \! 1375 \end{array}$$



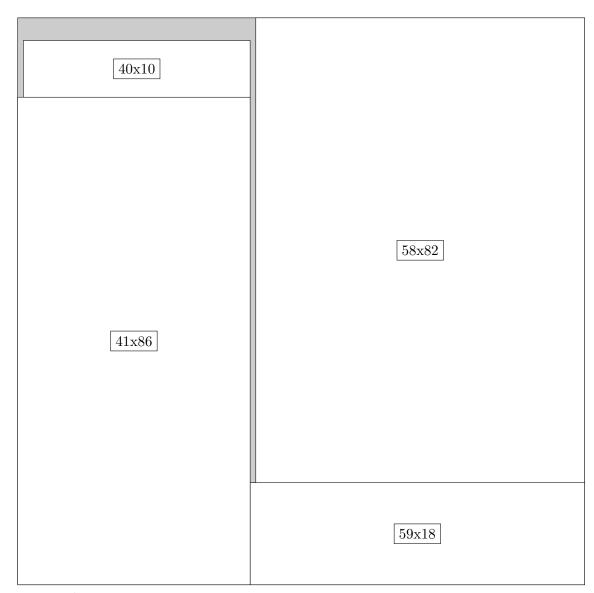
$$w = 26$$
, $h = 69$, $x = 74$, $y = 0$, $v = 1794$

$$\le =22$$
 , h =31 , x =78 , y =69 , v =682

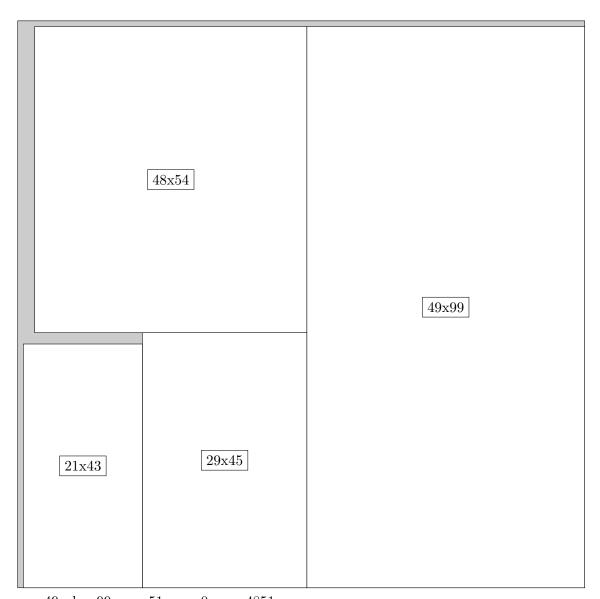
$$\le =74$$
 , h =29 , x =0 , y =0 , v =2146

$$\le =27$$
 , h =70 , x =47 , y =29 , v =1890

$$\le =39$$
 , h =59 , x =8 , y =29 , v =2301

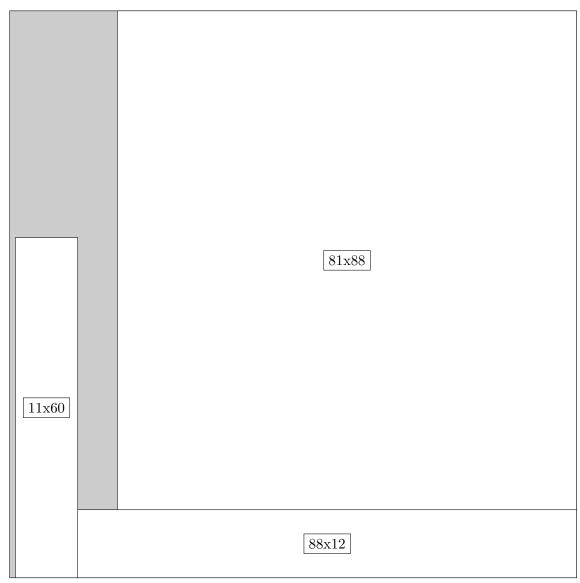


$$\begin{array}{l} w = \!59 \ , \ h = \!18 \ , \ x = \!41 \ , \ y = \!0 \ , \ v = \!1062 \\ w = \!58 \ , \ h = \!82 \ , \ x = \!42 \ , \ y = \!18 \ , \ v = \!4756 \\ w = \!41 \ , \ h = \!86 \ , \ x = \!0 \ , \ y = \!0 \ , \ v = \!3526 \\ w = \!40 \ , \ h = \!10 \ , \ x = \!1 \ , \ y = \!86 \ , \ v = \!400 \end{array}$$

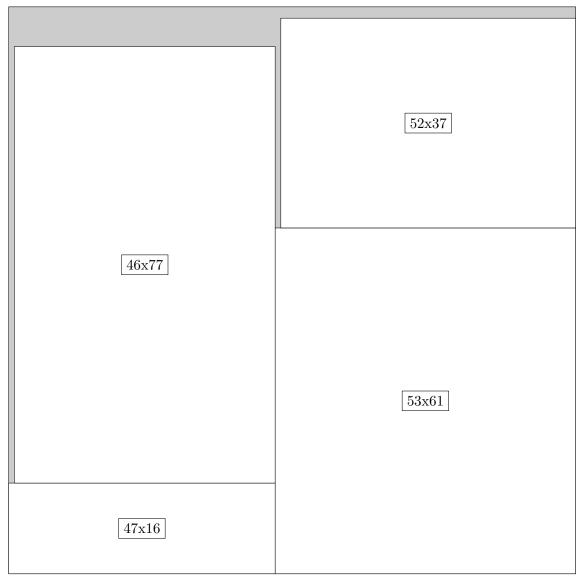


$$\le =21$$
 , h =43 , x =1 , y =0 , v =903

$$w = 48$$
, $h = 54$, $x = 3$, $y = 45$, $v = 2592$



$$\begin{array}{l} w = \! 88 \; , \; h = \! 12 \; , \; x = \! 12 \; , \; y = \! 0 \; , \; v = \! 1056 \\ w = \! 81 \; , \; h = \! 88 \; , \; x = \! 19 \; , \; y = \! 12 \; , \; v = \! 7128 \\ w = \! 11 \; , \; h = \! 60 \; , \; x = \! 1 \; , \; y = \! 0 \; , \; v = \! 660 \end{array}$$

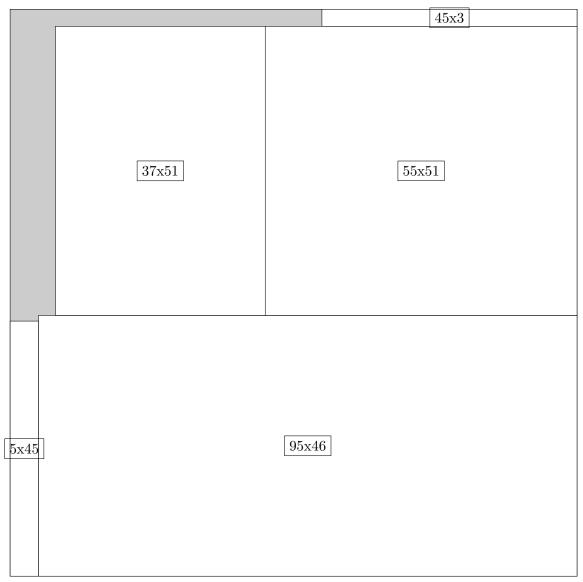


$$\le 53$$
 , h =61 , x =47 , y =0 , v =3233

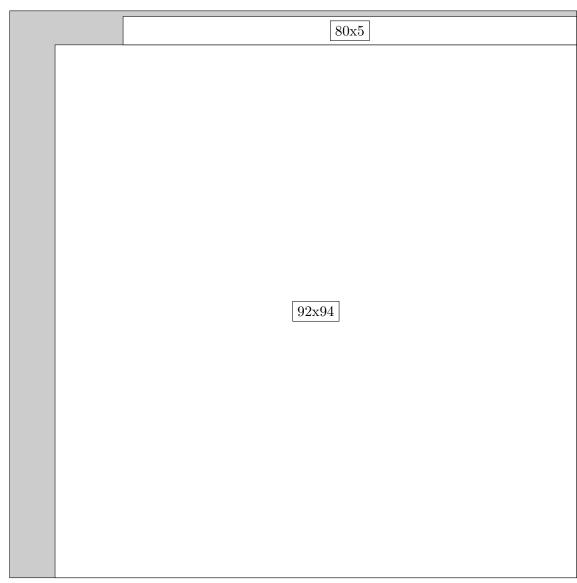
$$w$$
 =52 , h =37 , x =48 , y =61 , v =1924

$$\le =47$$
 , h =16 , x =0 , y =0 , v =752

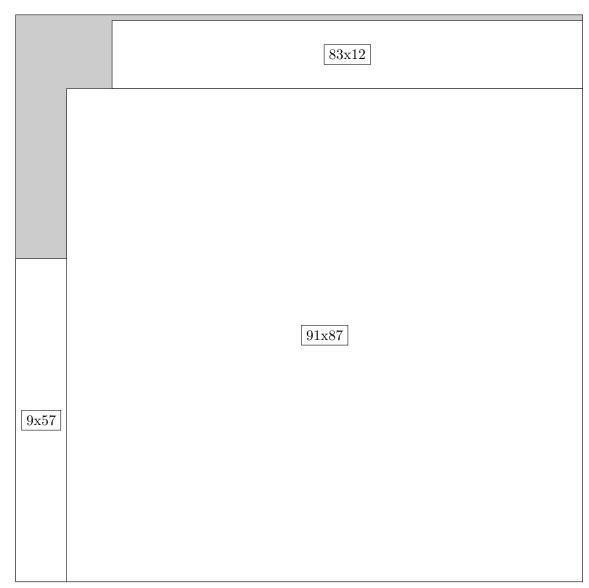
$$\mathbf{w}$$
 =46 , h =77 , x =1 , y =16 , v =3542



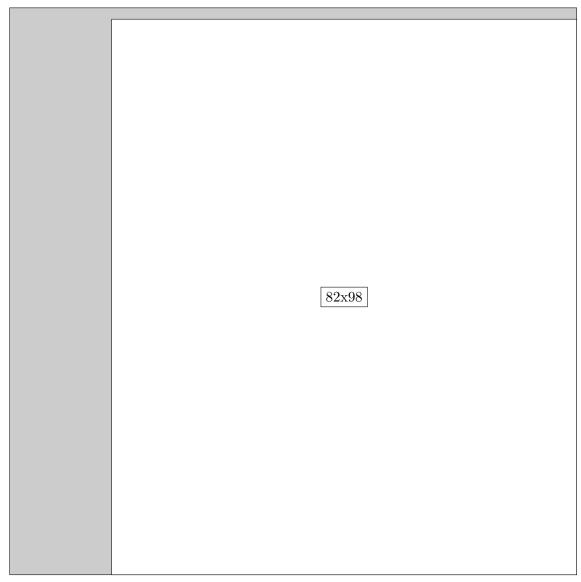
 $\begin{array}{l} w = \! 95 \;,\; h = \! 46 \;,\; x = \! 5 \;,\; y = \! 0 \;,\; v = \! 4370 \\ w = \! 55 \;,\; h = \! 51 \;,\; x = \! 45 \;,\; y = \! 46 \;,\; v = \! 2805 \\ w = \! 45 \;,\; h = \! 3 \;,\; x = \! 55 \;,\; y = \! 97 \;,\; v = \! 135 \\ w = \! 37 \;,\; h = \! 51 \;,\; x = \! 8 \;,\; y = \! 46 \;,\; v = \! 1887 \\ w = \! 5 \;,\; h = \! 45 \;,\; x = \! 0 \;,\; y = \! 0 \;,\; v = \! 225 \end{array}$



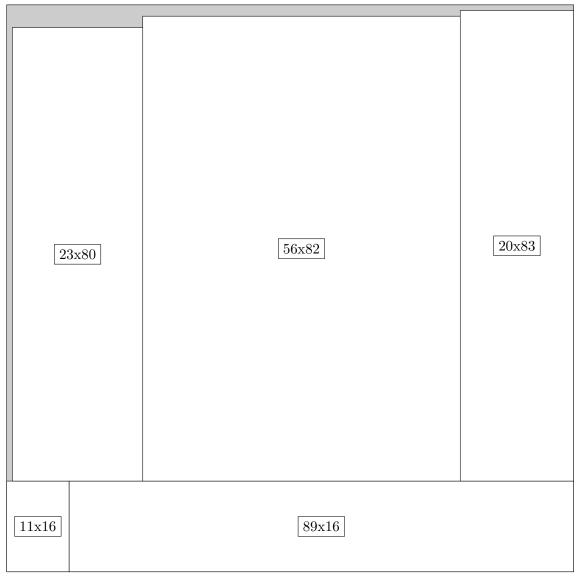
$$\begin{array}{l} w = 92 \; , \; h = 94 \; , \; x = 8 \; , \; y = 0 \; , \; v = 8648 \\ w = 80 \; , \; h = 5 \; , \; x = 20 \; , \; y = 94 \; , \; v = 400 \end{array}$$



$$\begin{array}{l} w = \! 91 \ , \ h = \! 87 \ , \ x = \! 9 \ , \ y = \! 0 \ , \ v = \! 7917 \\ w = \! 83 \ , \ h = \! 12 \ , \ x = \! 17 \ , \ y = \! 87 \ , \ v = \! 996 \\ w = \! 9 \ , \ h = \! 57 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 513 \end{array}$$



 $\le =82$, h =98 , x =18 , y =0 , v =8036



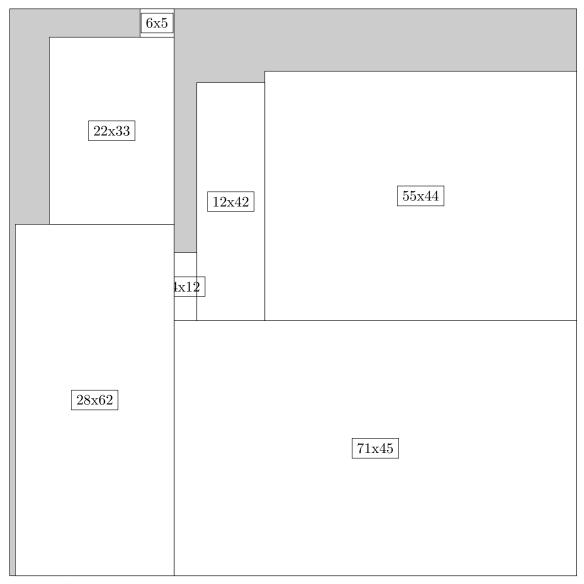
$$\le =89$$
 , h =16 , x =11 , y =0 , v =1424

$$\le =11$$
 , $h=16$, $x=0$, $y=0$, $v=176$

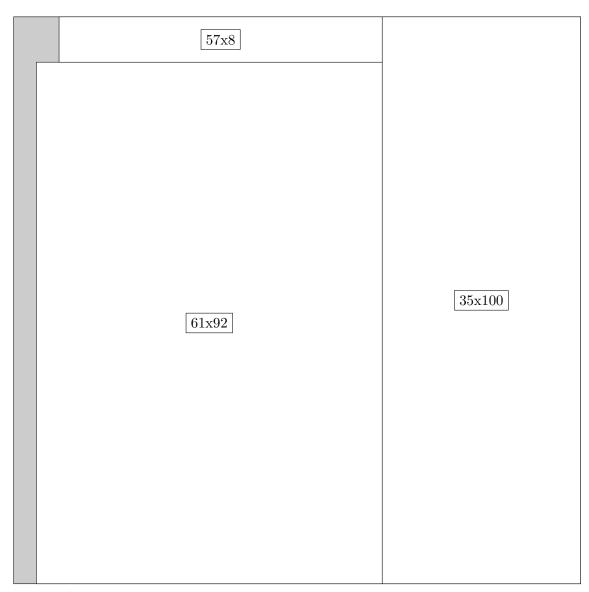
$$\le =20$$
 , h =83 , x =80 , y =16 , v =1660

$$\le =56$$
 , h =82 , x =24 , y =16 , v =4592

$$\le =23$$
 , h =80 , x =1 , y =16 , v =1840



$$\begin{array}{l} w=71 \ , \ h=45 \ , \ x=29 \ , \ y=0 \ , \ v=3195 \\ w=55 \ , \ h=44 \ , \ x=45 \ , \ y=45 \ , \ v=2420 \\ w=12 \ , \ h=42 \ , \ x=33 \ , \ y=45 \ , \ v=504 \\ w=4 \ , \ h=12 \ , \ x=29 \ , \ y=45 \ , \ v=48 \\ w=28 \ , \ h=62 \ , \ x=1 \ , \ y=0 \ , \ v=1736 \\ w=22 \ , \ h=33 \ , \ x=7 \ , \ y=62 \ , \ v=726 \\ w=6 \ , \ h=5 \ , \ x=23 \ , \ y=95 \ , \ v=30 \end{array}$$



 $\le =35$, h=100 , x=65 , y=0 , v=3500

 \mathbf{w} =61 , h =92 , x =4 , y =0 , v =5612

 $\le =57$, h =8 , x =8 , y =92 , v =456