$ClassName: \ Class_05.2bp\text{-}36$

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>270000</u> InS: <u>227546</u> Rate: <u>0.843</u> UB: <u>27</u> LB0: <u>27</u>

 $\begin{array}{c} \overline{\text{LBWithCut: } \mathbf{27}} \\ \text{NodeCut: } \mathbf{0} \end{array}$

LB: **27**

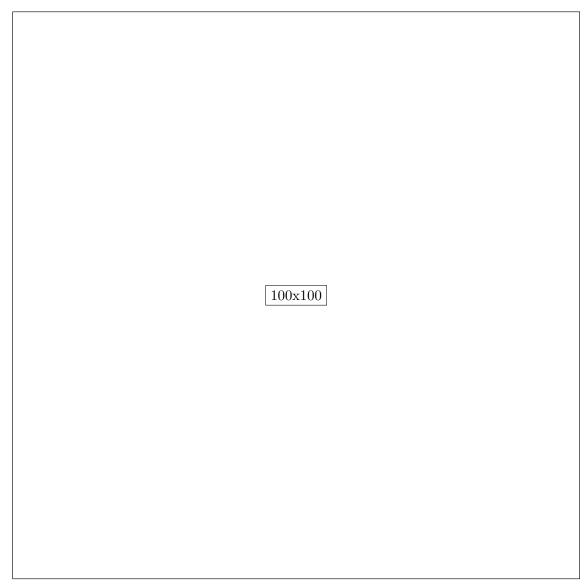
ExtendedNodeCnt: $\underline{\mathbf{1}}$

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

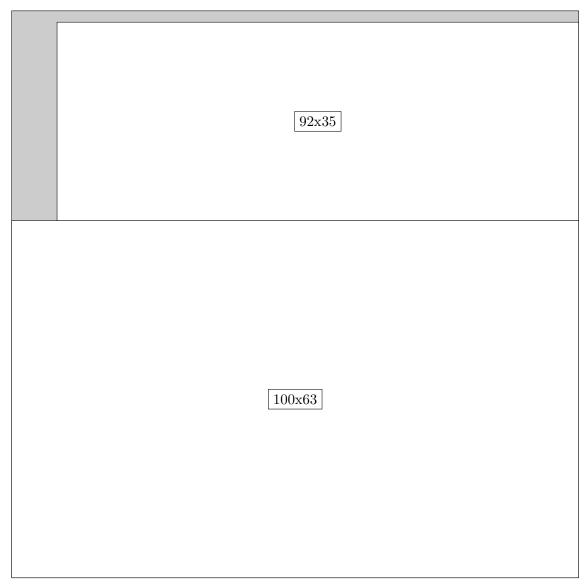
isOpt: $\underline{\mathbf{true}}$

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

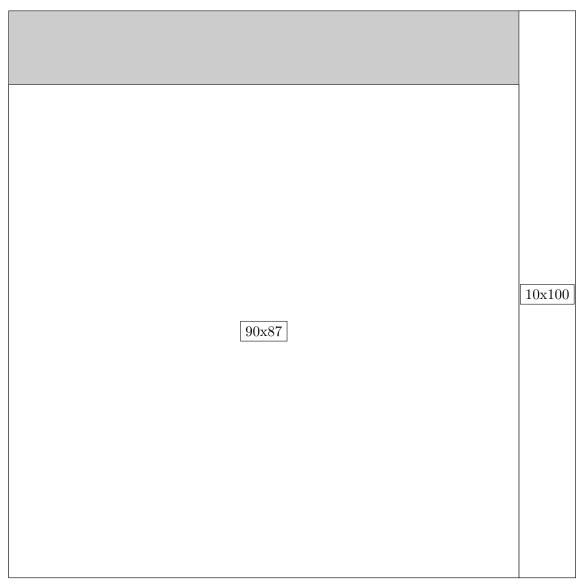
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.391 s



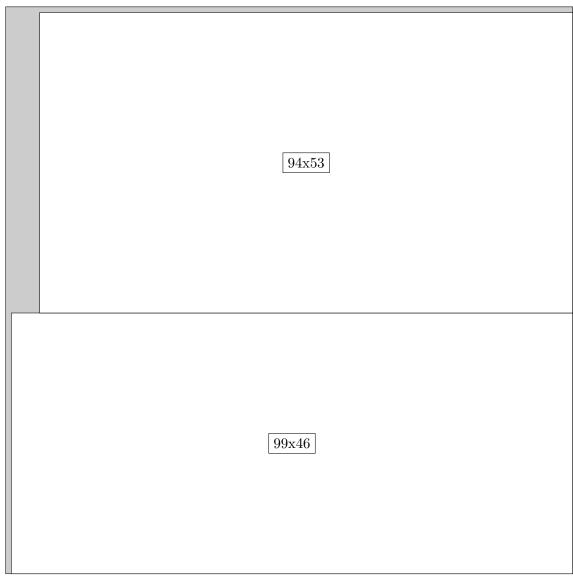
 \mathbf{w} =100 , h =100 , x =0 , y =0 , v =10000

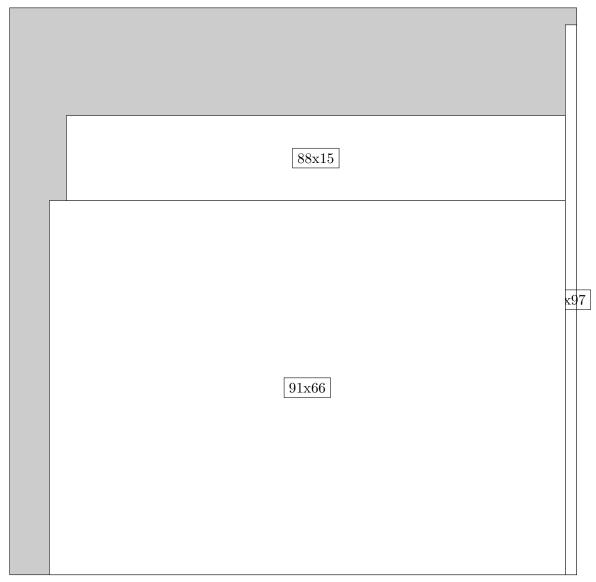


$$\begin{array}{l} w = \! 100 \ , \ h = \! 63 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6300 \\ w = \! 92 \ , \ h = \! 35 \ , \ x = \! 8 \ , \ y = \! 63 \ , \ v = \! 3220 \end{array}$$

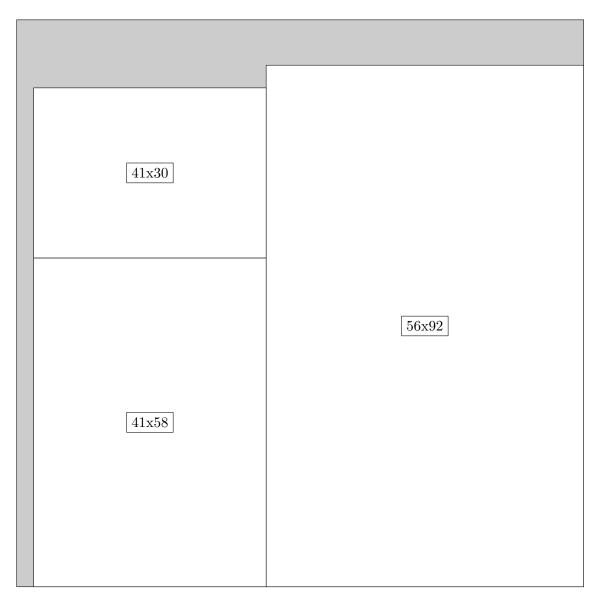


w =10, h =100, x =90, y =0, v =1000 w =90, h =87, x =0, y =0, v =7830





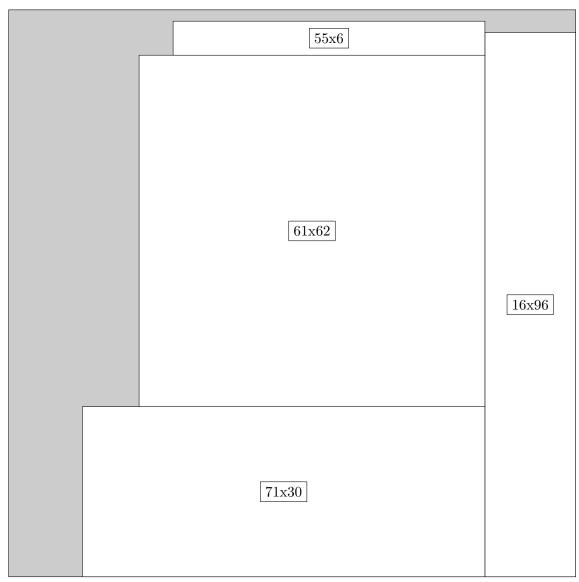
$$\begin{array}{l} w=2\ ,\, h=\!97\ ,\, x=\!98\ ,\, y=\!0\ ,\, v=\!194\\ w=\!91\ ,\, h=\!66\ ,\, x=\!7\ ,\, y=\!0\ ,\, v=\!6006\\ w=\!88\ ,\, h=\!15\ ,\, x=\!10\ ,\, y=\!66\ ,\, v=\!1320 \end{array}$$



$$w = 56$$
, $h = 92$, $x = 44$, $y = 0$, $v = 5152$

$$\le =41$$
 , $h=58$, $x=3$, $y=0$, $v=2378$

$$\le =41$$
 , $h=30$, $x=3$, $y=58$, $v=1230$

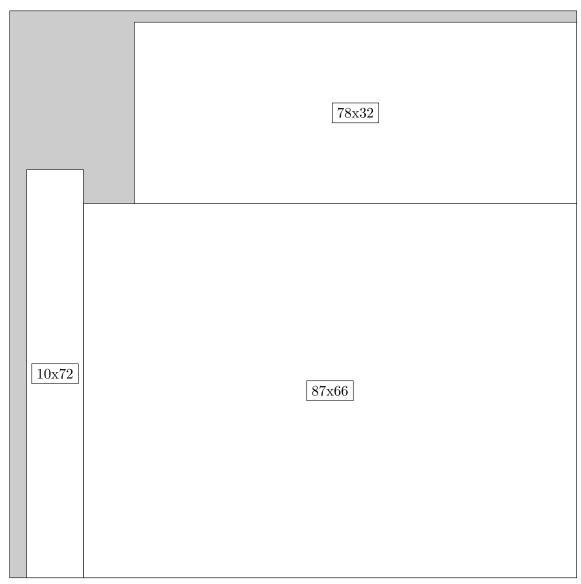


$$\le =16$$
 , $h=96$, $x=84$, $y=0$, $v=1536$

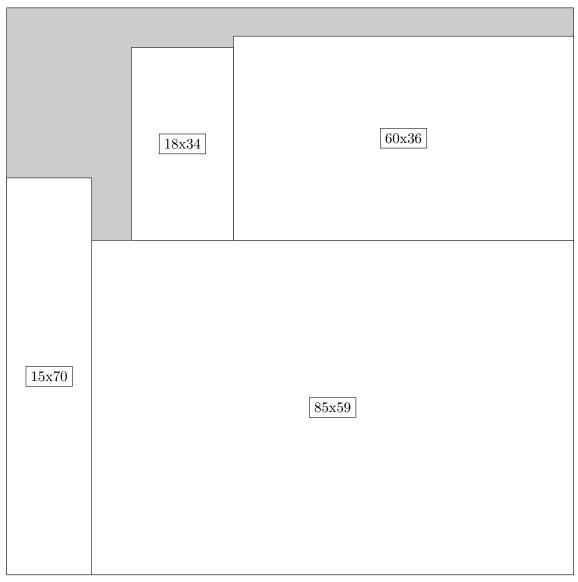
$$\le =71$$
 , h =30 , x =13 , y =0 , v =2130

$$\le =61$$
 , h =62 , x =23 , y =30 , v =3782

$$\le =55$$
 , h =6 , x =29 , y =92 , v =330



$$\begin{array}{l} w = \! 87 \; , \; h = \! 66 \; , \; x = \! 13 \; , \; y = \! 0 \; , \; v = \! 5742 \\ w = \! 78 \; , \; h = \! 32 \; , \; x = \! 22 \; , \; y = \! 66 \; , \; v = \! 2496 \\ w = \! 10 \; , \; h = \! 72 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 720 \end{array}$$



$$w = 85$$
, $h = 59$, $x = 15$, $y = 0$, $v = 5015$

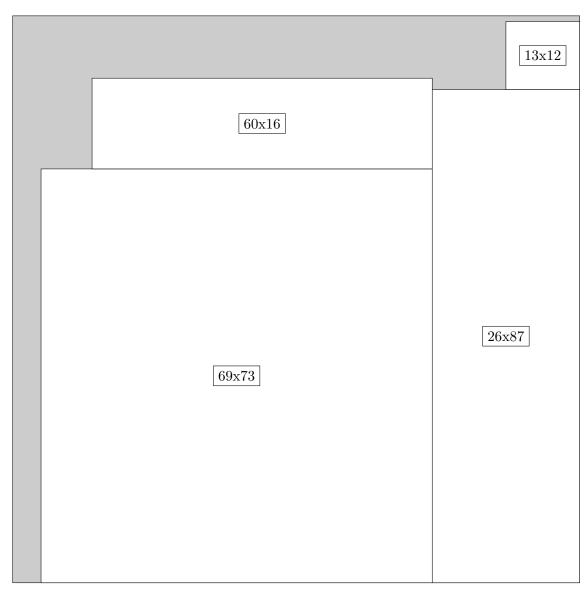
$$\le =60$$
 , h =36 , x =40 , y =59 , v =2160

$$\le =18$$
 , h =34 , x =22 , y =59 , v =612

$$\mathbf{w}$$
 =15 , h =70 , x =0 , y =0 , v =1050



$$w$$
 =72 , h =58 , x =28 , y =0 , v =4176 w =22 , h =58 , x =6 , y =0 , v =1276



$$\begin{array}{l} w = \! 26 \ , \ h = \! 87 \ , \ x = \! 74 \ , \ y = \! 0 \ , \ v = \! 2262 \\ w = \! 13 \ , \ h = \! 12 \ , \ x = \! 87 \ , \ y = \! 87 \ , \ v = \! 156 \end{array}$$

$$\le =69$$
 , h =73 , x =5 , y =0 , v =5037

$$w = 60$$
, $h = 16$, $x = 14$, $y = 73$, $v = 960$

47x88	53x88

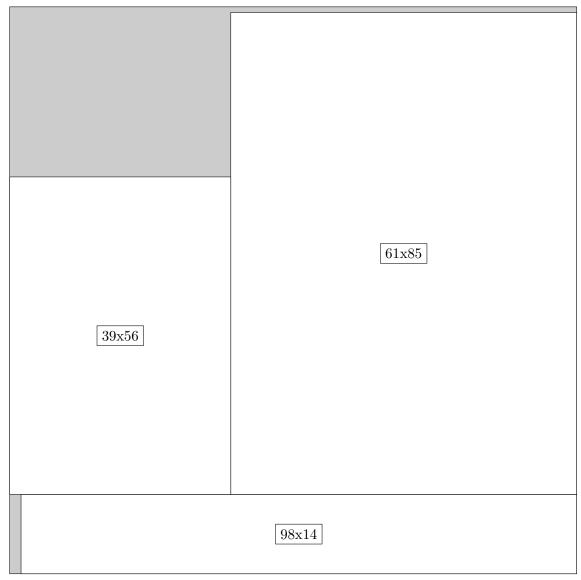
 $\begin{array}{l} w = \! 53 \ , \ h = \! 88 \ , \ x = \! 47 \ , \ y = \! 0 \ , \ v = \! 4664 \\ w = \! 47 \ , \ h = \! 88 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4136 \end{array}$



$$\le =96$$
 , h =36 , x =4 , y =0 , v =3456

$$\le =75$$
 , h =64 , x =25 , y =36 , v =4800

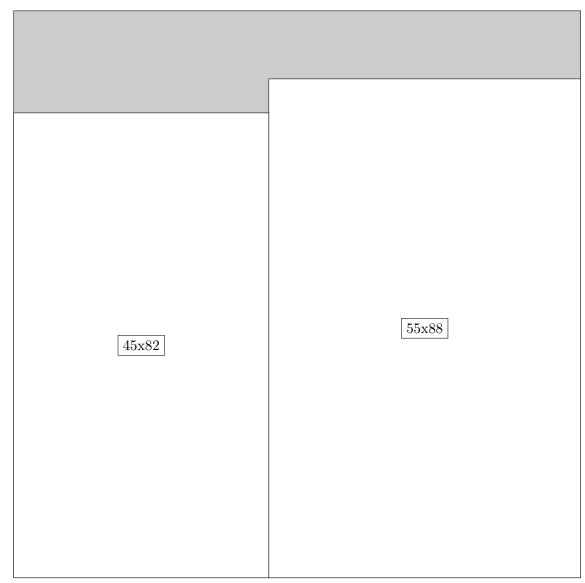
$$\le =21$$
 , h =59 , x =4 , y =36 , v =1239



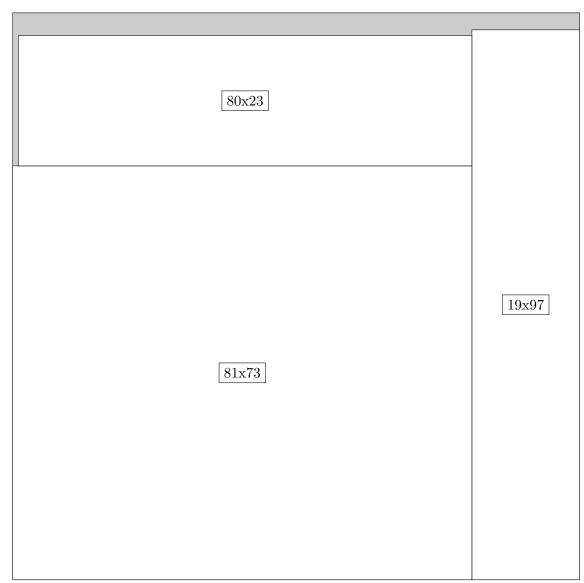
$$w = 98$$
, $h = 14$, $x = 2$, $y = 0$, $v = 1372$

$$w$$
 =61 , h =85 , x =39 , y =14 , v =5185

$$\le =39$$
 , h =
56 , x =0 , y =
14 , v =
2184



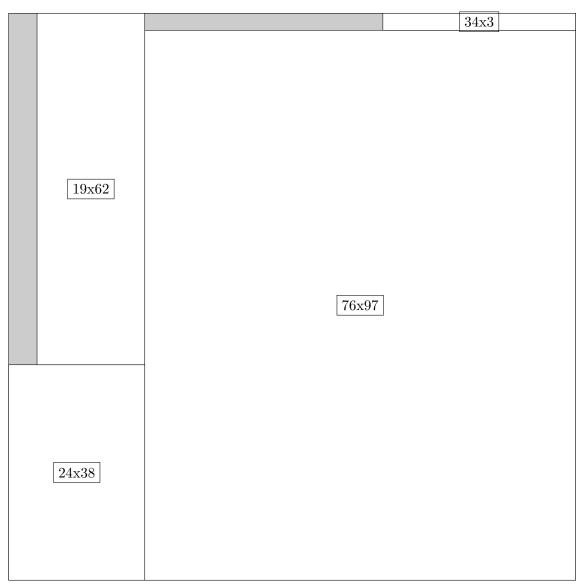
$$\begin{array}{l} w = \! 55 \ , \ h = \! 88 \ , \ x = \! 45 \ , \ y = \! 0 \ , \ v = \! 4840 \\ w = \! 45 \ , \ h = \! 82 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3690 \end{array}$$

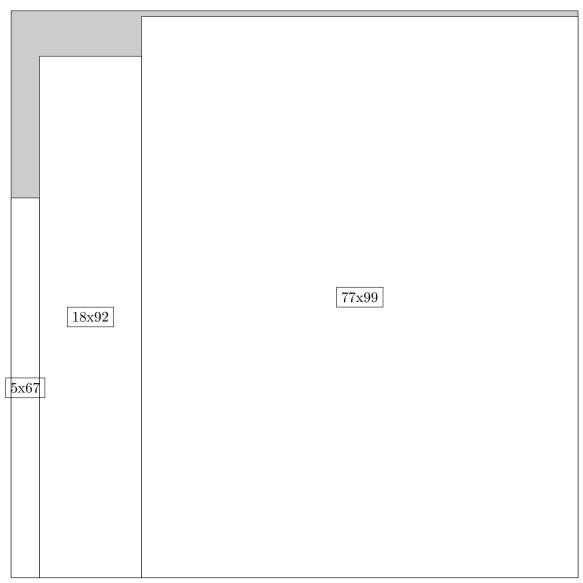


$$\le =19$$
 , $= =97$, $= =81$, y $= 0$, v $= 1843$

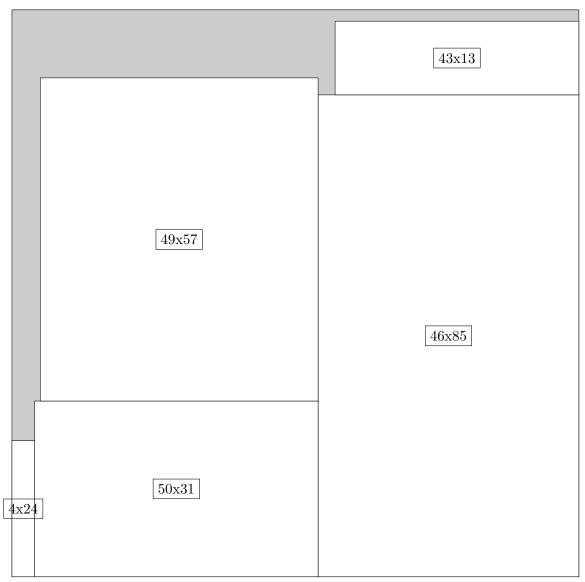
$$\le =81$$
 , h =73 , x =0 , y =0 , v =5913

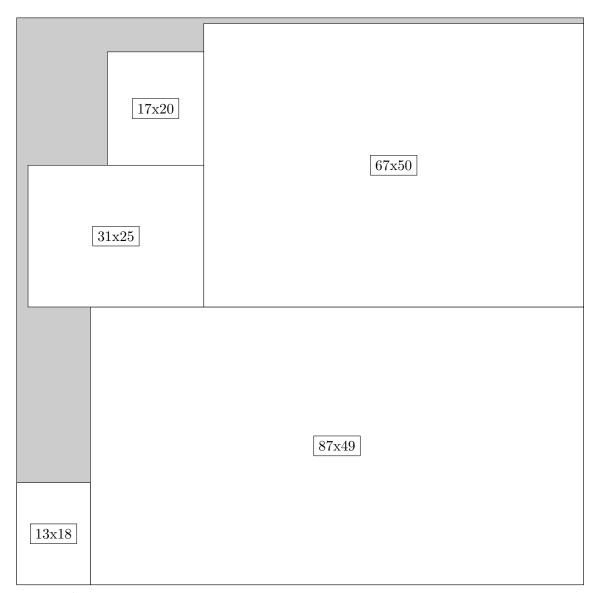
$$\le =80$$
 , h =23 , x =1 , y =73 , v =1840





 $\begin{array}{l} w = \!\!\! 77 \ , \ h = \!\!\! 99 \ , \ x = \!\!\! 23 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 7623 \\ w = \!\!\! 18 \ , \ h = \!\!\! 92 \ , \ x = \!\!\! 5 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 1656 \\ w = \!\!\! 5 \ , \ h = \!\!\! 67 \ , \ x = \!\!\! 0 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 335 \end{array}$





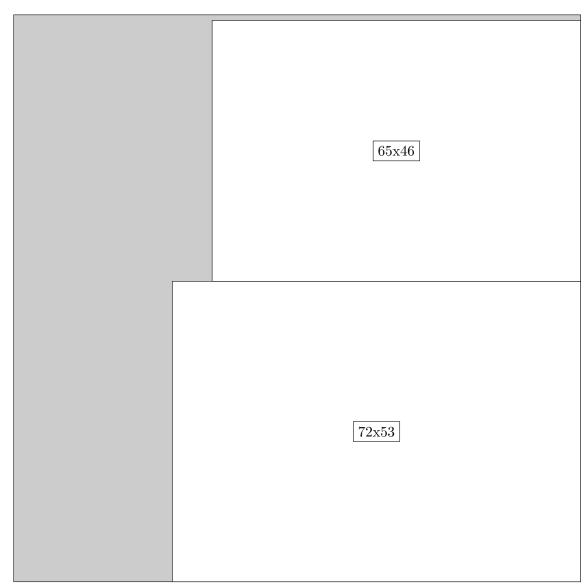
$$w = 87$$
, $h = 49$, $x = 13$, $y = 0$, $v = 4263$

$$w = 13$$
, $h = 18$, $x = 0$, $y = 0$, $v = 234$

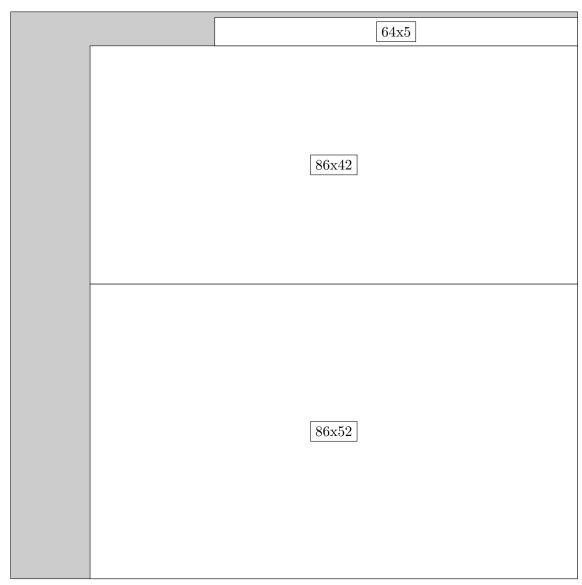
$$\le =67$$
 , h =50 , x =33 , y =49 , v =3350

$$\le =31$$
 , h =25 , x =2 , y =49 , v =775

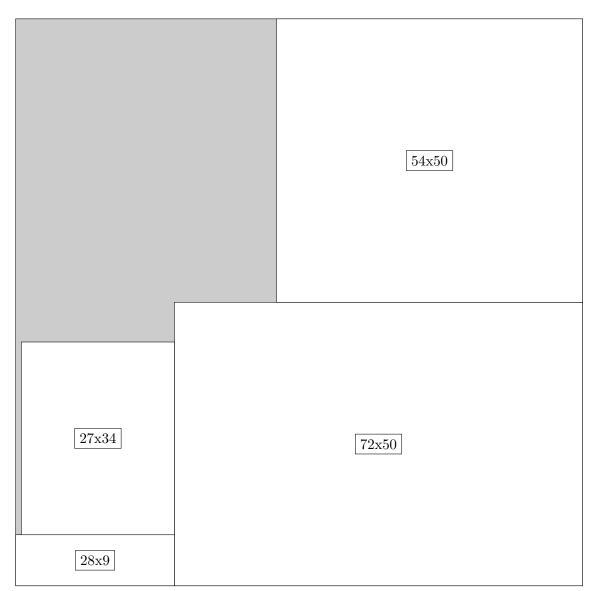
$$w$$
 =17 , h =20 , x =16 , y =74 , v =340



$$\begin{array}{l} w = \!\!\! 72 \ , \ h = \!\!\! 53 \ , \ x = \!\!\! 28 \ , \ y = \!\!\! 0 \ , \ v = \!\!\! 3816 \\ w = \!\!\! 65 \ , \ h = \!\!\! 46 \ , \ x = \!\!\! 35 \ , \ y = \!\!\! 53 \ , \ v = \!\!\! 2990 \end{array}$$



$$\begin{array}{l} w = & 86 \ , \ h = & 52 \ , \ x = & 14 \ , \ y = & 0 \ , \ v = & 4472 \\ w = & 86 \ , \ h = & 42 \ , \ x = & 14 \ , \ y = & 52 \ , \ v = & 3612 \\ w = & 64 \ , \ h = & 5 \ , \ x = & 36 \ , \ y = & 94 \ , \ v = & 320 \end{array}$$

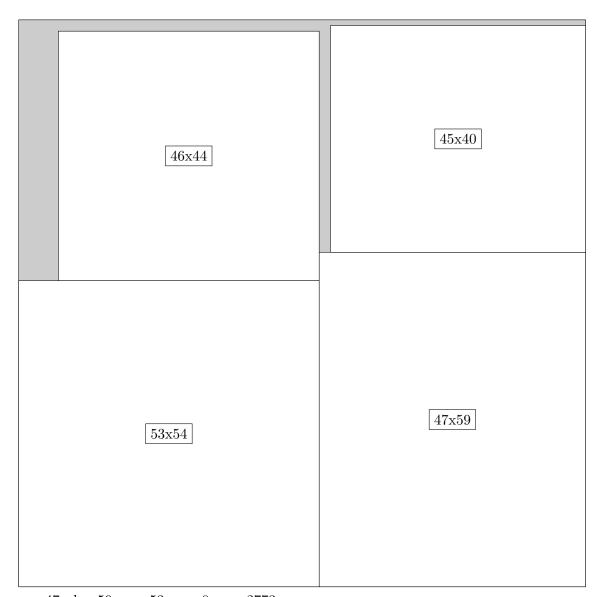


$$\le =72$$
 , h =50 , x =28 , y =0 , v =3600

$$\le =28$$
 , h =9 , x =0 , y =0 , v =
252

$$\le =27$$
 , h =34 , x =1 , y =9 , v =918

$$w$$
 =54 , h =50 , x =46 , y =50 , v =2700

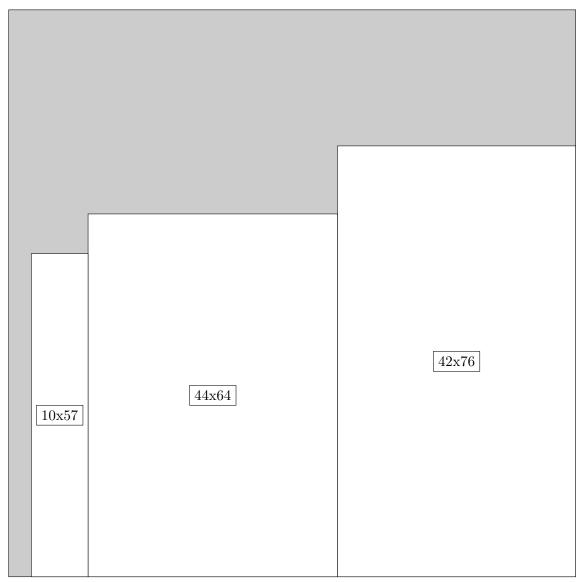


$$\le =47$$
 , h =59 , x =53 , y =0 , v =2773

$$\le =45$$
 , $h=\!40$, $x=\!55$, $y=\!59$, $v=\!1800$

$$\le =53$$
 , h =54 , x =0 , y =0 , v =2862

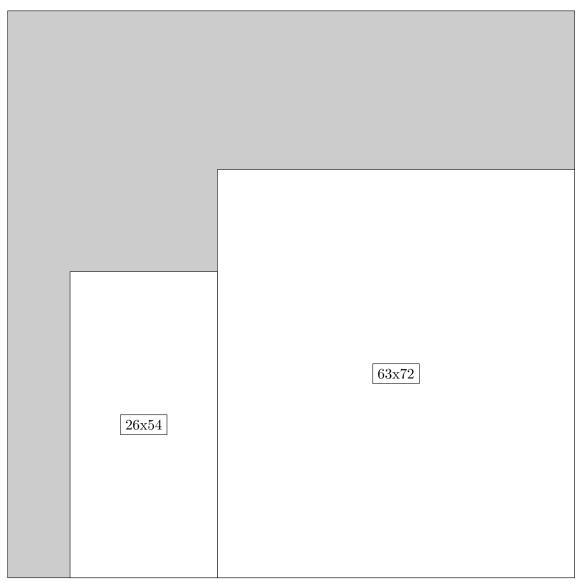
$$\le =46$$
 , h =44 , x =7 , y =54 , v =2024



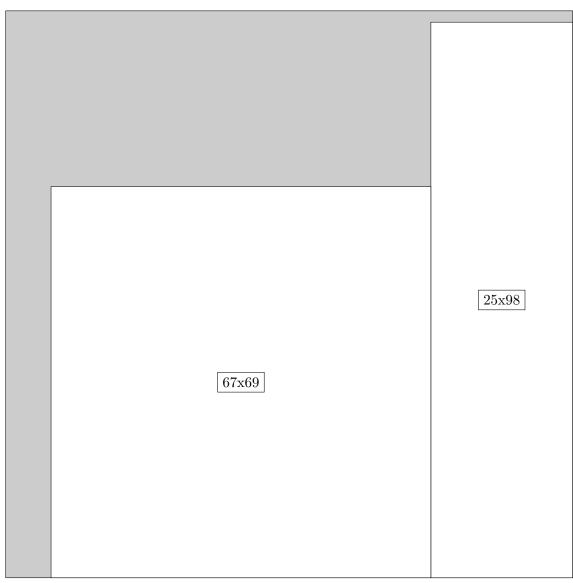
$$\le =42$$
 , h =76 , x =58 , y =0 , v =3192

$$\le =44$$
 , $h=\!64$, $x=\!14$, $y=\!0$, $v=\!2816$

$$\le =10$$
 , h =57 , x =4 , y =0 , v =570



$$\begin{array}{l} w = \!63 \ , \ h = \!72 \ , \ x = \!37 \ , \ y = \!0 \ , \ v = \!4536 \\ w = \!26 \ , \ h = \!54 \ , \ x = \!11 \ , \ y = \!0 \ , \ v = \!1404 \end{array}$$



$$\begin{array}{l} w = \! 25 \ , \ h = \! 98 \ , \ x = \! 75 \ , \ y = \! 0 \ , \ v = \! 2450 \\ w = \! 67 \ , \ h = \! 69 \ , \ x = \! 8 \ , \ y = \! 0 \ , \ v = \! 4623 \end{array}$$