$ClassName: \ Class_10.2bp-47$

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

TypeNum: <u>99</u> Num: <u>100</u> OutS: <u>180000</u> InS: <u>170497</u> Rate: <u>0.947</u> UB: <u>18</u> LB0: <u>18</u> LB: <u>18</u>

LBWithCut: $\underline{\mathbf{18}}$ NodeCut: $\underline{\mathbf{0}}$

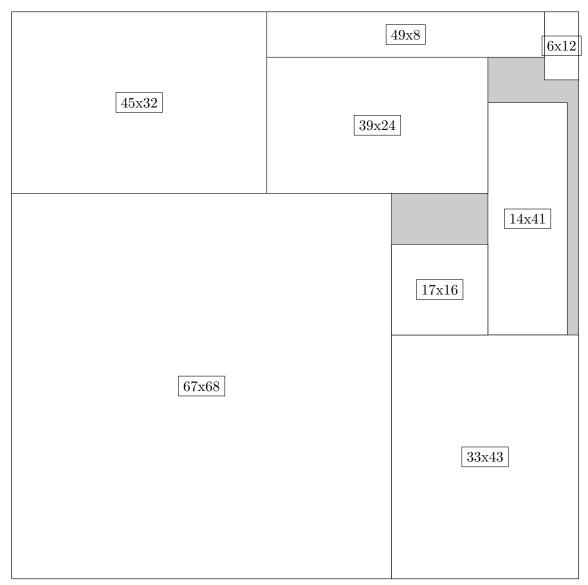
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{18}}$ 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: $\underline{12.550 \text{ s}}$

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.094 sTotalTime: 12.706 s



```
w = 14, h = 41, x = 84, y = 43, v = 574
```

$$w=\!\!45$$
 , $h=\!\!32$, $x=\!\!0$, $y=\!\!68$, $v=\!\!1440$

$$w = 33$$
, $h = 43$, $x = 67$, $y = 0$, $v = 1419$

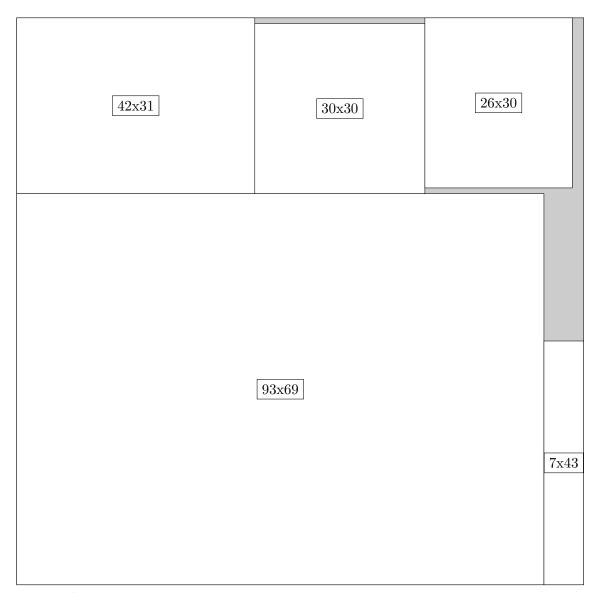
$$\le =39$$
 , h =24 , x =45 , y =68 , v =936

$$\le =49$$
 , $h=8$, $x=45$, $y=92$, $v=392$

$$w$$
 =17 , h =16 , x =67 , y =43 , v =272

$$w$$
 =6 , h =12 , x =94 , y =88 , v =72

 $[\]mathbf{w}$ =67 , h =68 , x =0 , y =0 , v =4556



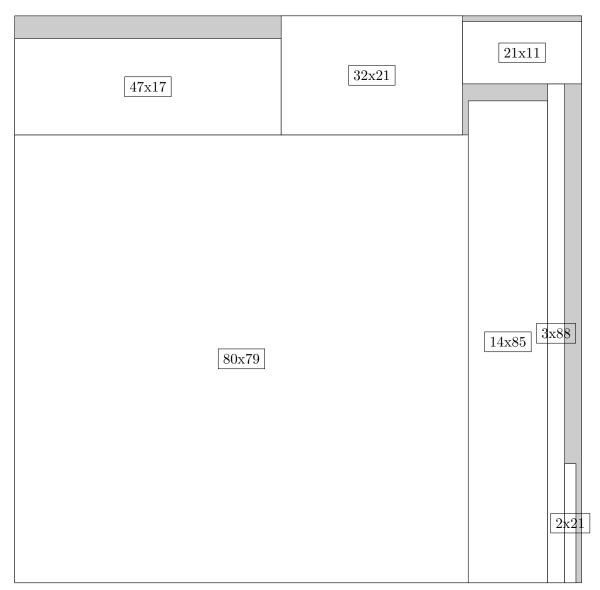
$$\le =93$$
 , h =69 , x =0 , y =0 , v =6417

$$\le =42$$
 , h =31 , x =0 , y =69 , v =1302

$$\le =30$$
 , h =30 , x =42 , y =69 , v =900

$$\mathbf{w}$$
 =26 , h =30 , x =72 , y =70 , v =780

$$w = 7$$
, $h = 43$, $x = 93$, $y = 0$, $v = 301$



$$w = 80$$
, $h = 79$, $x = 0$, $y = 0$, $v = 6320$

$$w=\!14$$
 , $h=\!85$, $x=\!80$, $y=\!0$, $v=\!1190$

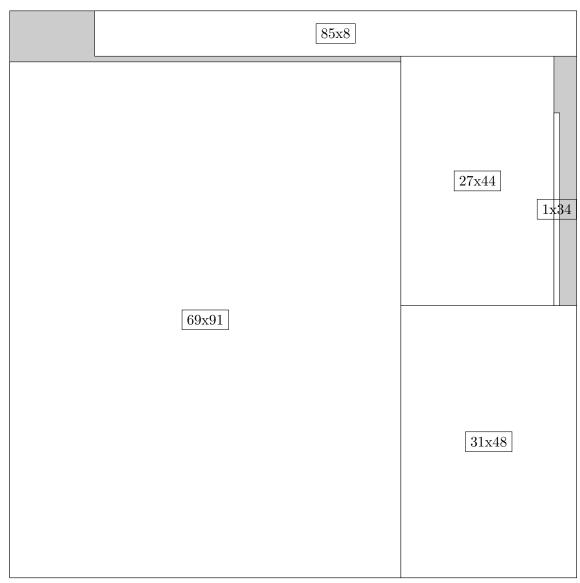
$$\le =47$$
 , h =17 , x =0 , y =79 , v =799

$$\le =32$$
 , h =21 , x =47 , y =79 , v =672

$$\mathbf{w}$$
 =3 , h =88 , x =94 , y =0 , v =264

$$w$$
 =21 , h =11 , x =79 , y =88 , v =231

$$\mathbf{w}$$
 =2 , h =21 , x =97 , y =0 , v =42



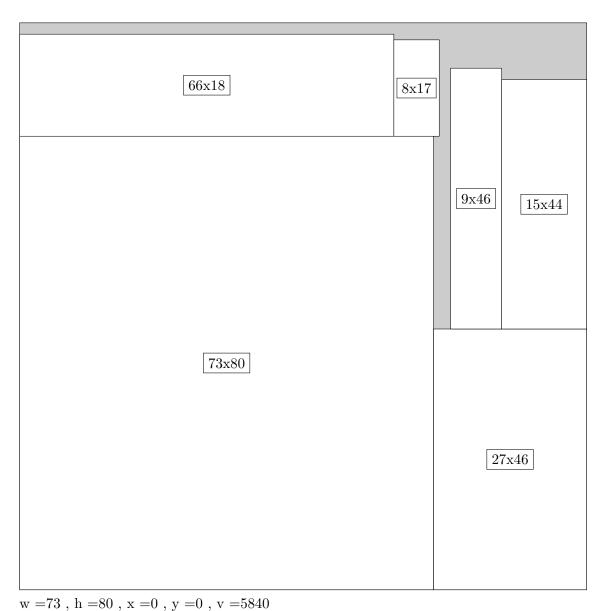
$$\mathbf{w}$$
 =69 , h =91 , x =0 , y =0 , v =6279

$$\le =31$$
 , $h=48$, $x=69$, $y=0$, $v=1488$

$$\le =27$$
 , h =44 , x =69 , y =48 , v =1188

$$\le =85$$
 , h =8 , x =15 , y =92 , v =680

$$\mathbf{w} = \!\! 1$$
 , $\mathbf{h} = \!\! 34$, $\mathbf{x} = \!\! 96$, $\mathbf{y} = \!\! 48$, $\mathbf{v} = \!\! 34$



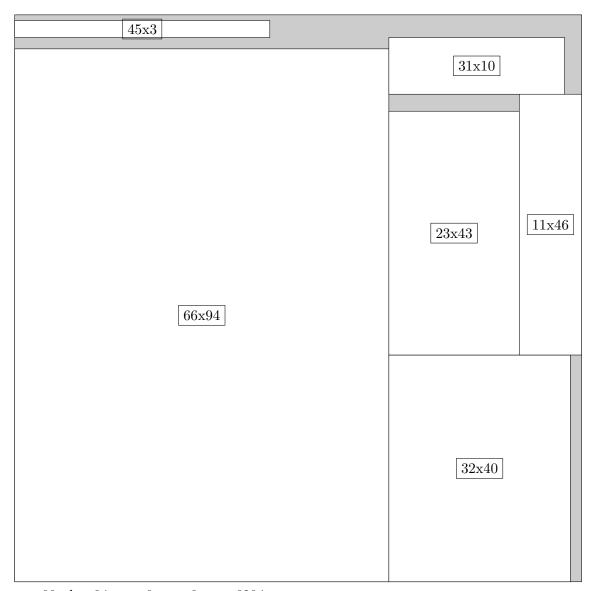
$$w = 73$$
, $h = 80$, $x = 0$, $y = 0$, $v = 3840$
 $w = 27$, $h = 46$, $x = 73$, $y = 0$, $v = 1242$

$$\le =66$$
 , h =18 , x =0 , y =80 , v =1188

$$\le =15$$
 , h =44 , x =85 , y =46 , v =660

$$w$$
 =9 , h =46 , x =76 , y =46 , v =414

$$w = 8$$
, $h = 17$, $x = 66$, $y = 80$, $v = 136$



$$\le =66$$
 , h =94 , x =0 , y =0 , v =6204

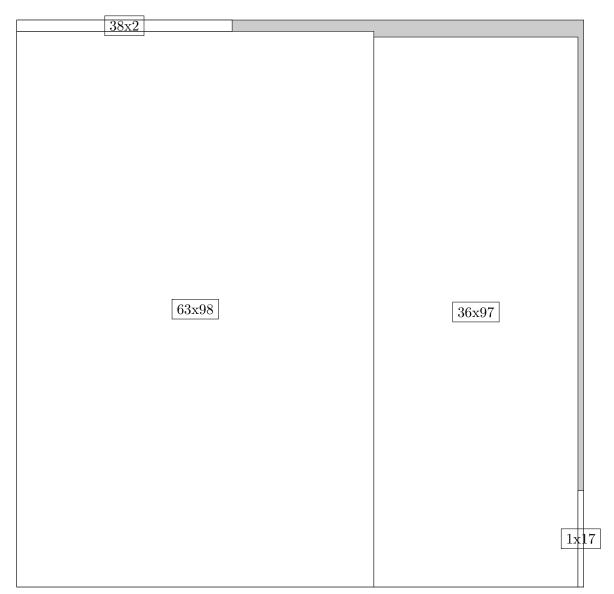
$$\le =32$$
 , $h=40$, $x=66$, $y=0$, $v=1280$

$$\le =23$$
 , h =43 , x =66 , y =40 , v =989

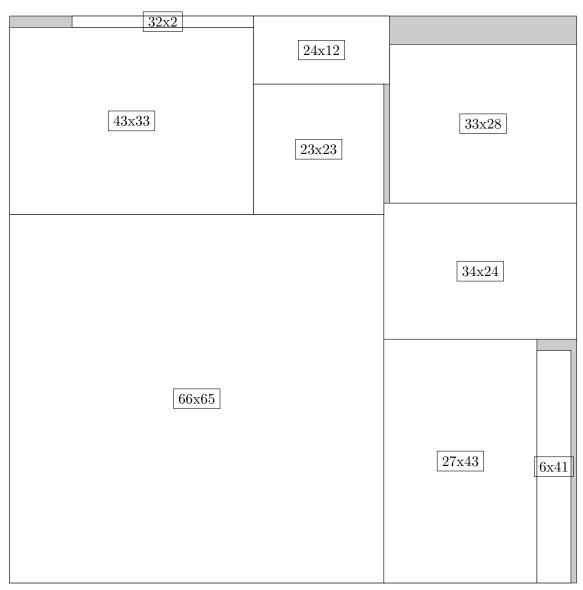
$$w$$
 =11 , h =46 , x =89 , y =40 , v =506

$$\le =31$$
 , h =10 , x =66 , y =86 , v =310

$$\le =45$$
 , $h=3$, $x=0$, $y=96$, $v=135$



 $\begin{array}{l} w = \!63 \; , \; h = \!98 \; , \; x = \!0 \; , \; y = \!0 \; , \; v = \!6174 \\ w = \!36 \; , \; h = \!97 \; , \; x = \!63 \; , \; y = \!0 \; , \; v = \!3492 \\ w = \!38 \; , \; h = \!2 \; , \; x = \!0 \; , \; y = \!98 \; , \; v = \!76 \\ w = \!1 \; , \; h = \!17 \; , \; x = \!99 \; , \; y = \!0 \; , \; v = \!17 \end{array}$



$$w = 66$$
, $h = 65$, $x = 0$, $y = 0$, $v = 4290$

$$w = 43$$
, $h = 33$, $x = 0$, $y = 65$, $v = 1419$

$$\le =27$$
 , h =43 , x =66 , y =0 , v =1161

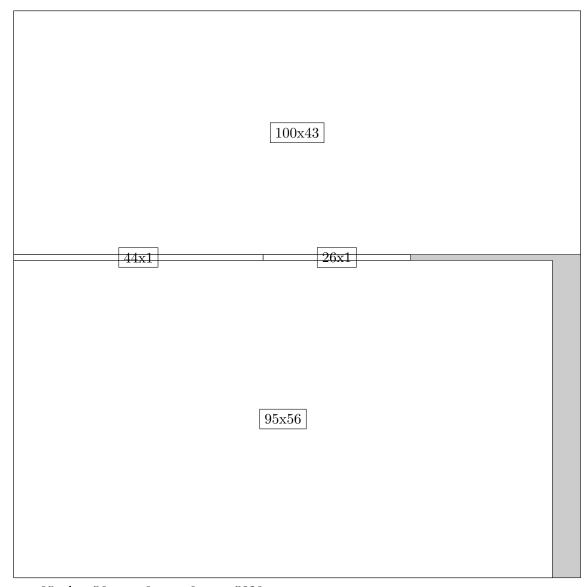
$$w$$
 =6 , h =41 , x =93 , y =0 , v =246

$$w = 34$$
, $h = 24$, $x = 66$, $y = 43$, $v = 816$

$$w = 33$$
, $h = 28$, $x = 67$, $y = 67$, $v = 924$

$$w = 23$$
, $h = 23$, $x = 43$, $y = 65$, $v = 529$

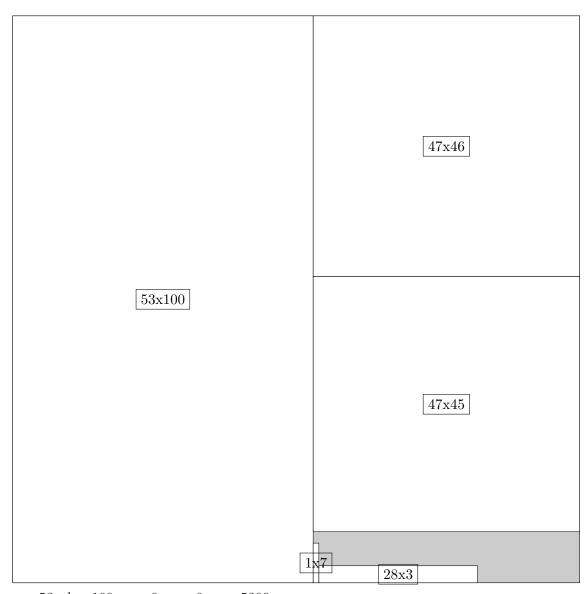
$$\begin{array}{l} w = \! 24 \ , \ h = \! 12 \ , \ x = \! 43 \ , \ y = \! 88 \ , \ v = \! 288 \\ w = \! 32 \ , \ h = \! 2 \ , \ x = \! 11 \ , \ y = \! 98 \ , \ v = \! 64 \end{array}$$



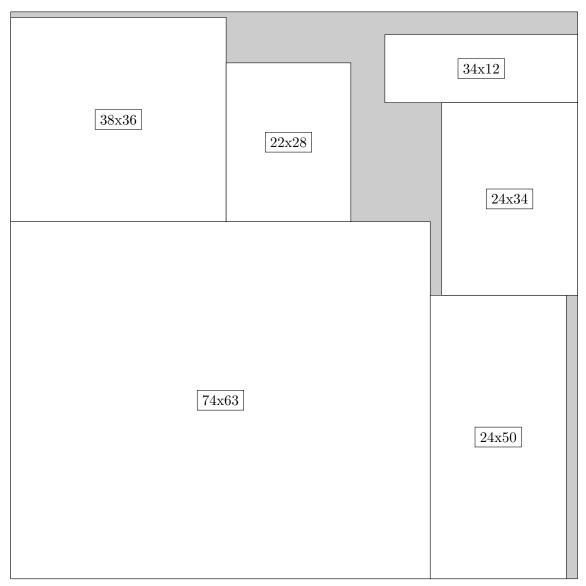
$$\begin{array}{l} w = \! 95 \ , \ h = \! 56 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5320 \\ w = \! 100 \ , \ h = \! 43 \ , \ x = \! 0 \ , \ y = \! 57 \ , \ v = \! 4300 \end{array}$$

$$\le =44$$
 , h =1 , x =0 , y =
56 , v =
44

$$w$$
 =26 , h =1 , x =44 , y =56 , v =26



$$\begin{array}{l} w = \!\! 53 \ , \ h = \!\! 100 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 5300 \\ w = \!\! 47 \ , \ h = \!\! 46 \ , \ x = \!\! 53 \ , \ y = \!\! 54 \ , \ v = \!\! 2162 \\ w = \!\! 47 \ , \ h = \!\! 45 \ , \ x = \!\! 53 \ , \ y = \!\! 9 \ , \ v = \!\! 2115 \\ w = \!\! 28 \ , \ h = \!\! 3 \ , \ x = \!\! 54 \ , \ y = \!\! 0 \ , \ v = \!\! 84 \\ w = \!\! 1 \ , \ h = \!\! 7 \ , \ x = \!\! 53 \ , \ y = \!\! 0 \ , \ v = \!\! 7 \end{array}$$



$$w = 74$$
, $h = 63$, $x = 0$, $y = 0$, $v = 4662$

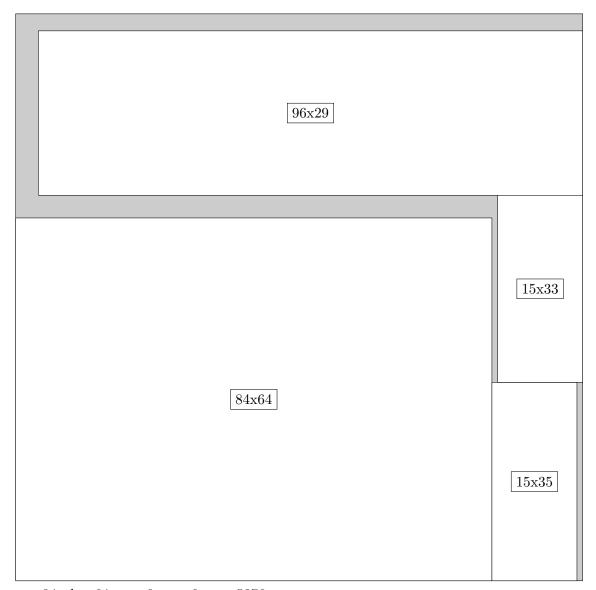
$$\le =38$$
 , $= 36$, $= 1368$, $= 1368$

$$\le =24$$
 , h =50 , x =74 , y =0 , v =1200

$$\le =24$$
 , h =34 , x =76 , y =50 , v =816

$$\le =22$$
 , h =28 , x =38 , y =63 , v =616

$$\le =34$$
 , $h=12$, $x=66$, $y=84$, $v=408$

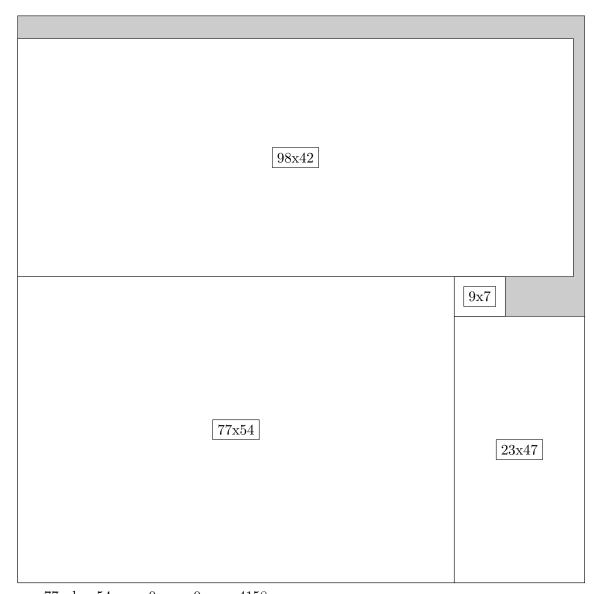


$$\le =84$$
 , h =64 , x =0 , y =0 , v =5376

$$\le =96$$
 , h =29 , x =4 , y =68 , v =2784

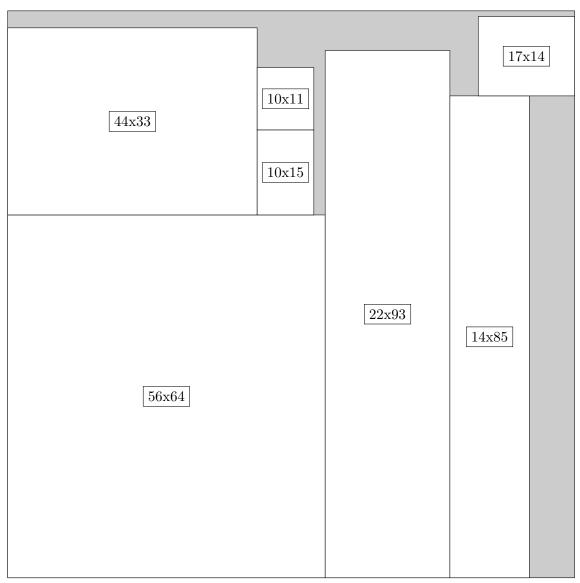
$$\le =15$$
 , h =35 , x =84 , y =0 , v =525

$$w$$
 =15 , h =33 , x =85 , y =35 , v =495



$$w = 77$$
, $h = 54$, $x = 0$, $y = 0$, $v = 4158$
 $w = 98$, $h = 42$, $x = 0$, $y = 54$, $v = 4116$

$$\begin{array}{l} w = \! 23 \ , \ h = \! 47 \ , \ x = \! 77 \ , \ y = \! 0 \ , \ v = \! 1081 \\ w = \! 9 \ , \ h = \! 7 \ , \ x = \! 77 \ , \ y = \! 47 \ , \ v = \! 63 \end{array}$$



$$\mathbf{w}$$
 =56 , \mathbf{h} =64 , \mathbf{x} =0 , \mathbf{y} =0 , \mathbf{v} =3584

$$\le =22$$
 , h =93 , x =
56 , y =0 , v =
2046

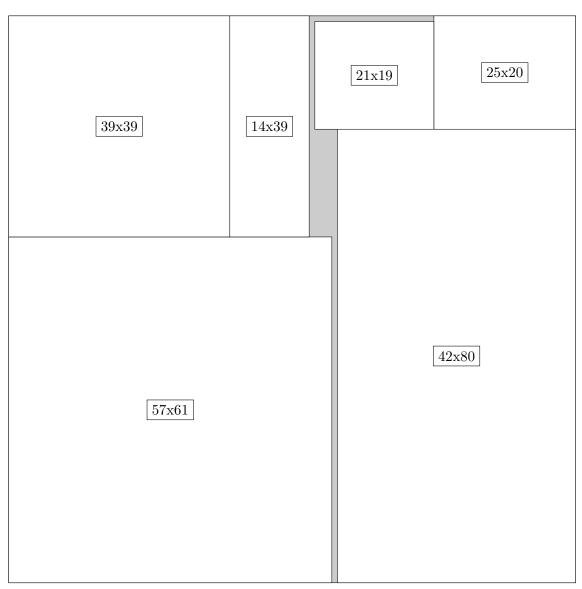
$$\le =44$$
 , h =33 , x =0 , y =64 , v =1452

$$\le =14$$
 , h =85 , x =78 , y =0 , v =1190

$$\le =17$$
 , h =14 , x =83 , y =85 , v =238

$$w$$
 =10 , h =15 , x =44 , y =64 , v =150

$$w = 10$$
, $h = 11$, $x = 44$, $y = 79$, $v = 110$



$$w = 57$$
, $h = 61$, $x = 0$, $y = 0$, $v = 3477$

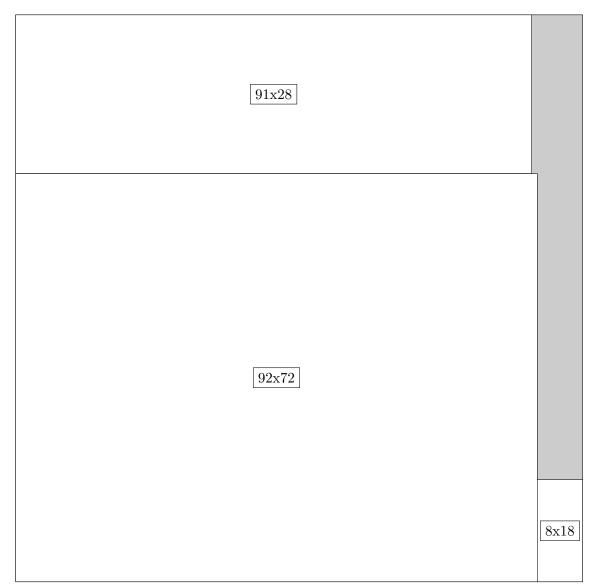
$$\le =42$$
 , h =80 , x =58 , y =0 , v =3360

$$\le =39$$
 , h =39 , x =0 , y =61 , v =1521

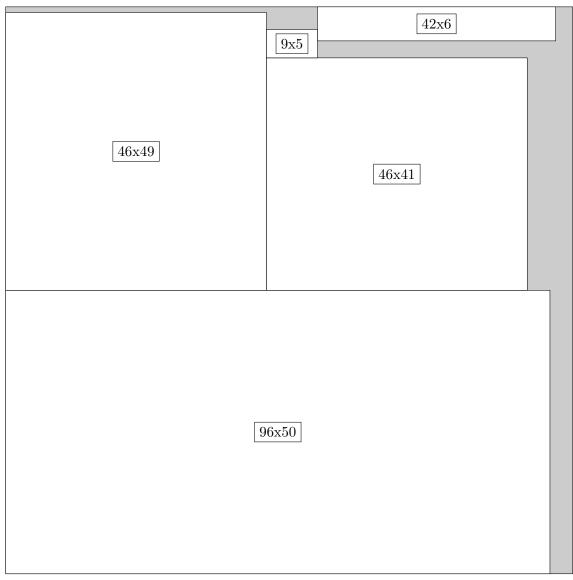
$$\le =14$$
 , h =39 , x =39 , y =61 , v =546

$$\le =25$$
 , h =20 , x =75 , y =80 , v =500

$$w$$
 =21 , h =19 , x =54 , y =80 , v =399



$$\begin{array}{l} w = \! 91 \ , \ h = \! 28 \ , \ x = \! 0 \ , \ y = \! 72 \ , \ v = \! 2548 \\ w = \! 92 \ , \ h = \! 72 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6624 \\ w = \! 8 \ , \ h = \! 18 \ , \ x = \! 92 \ , \ y = \! 0 \ , \ v = \! 144 \end{array}$$



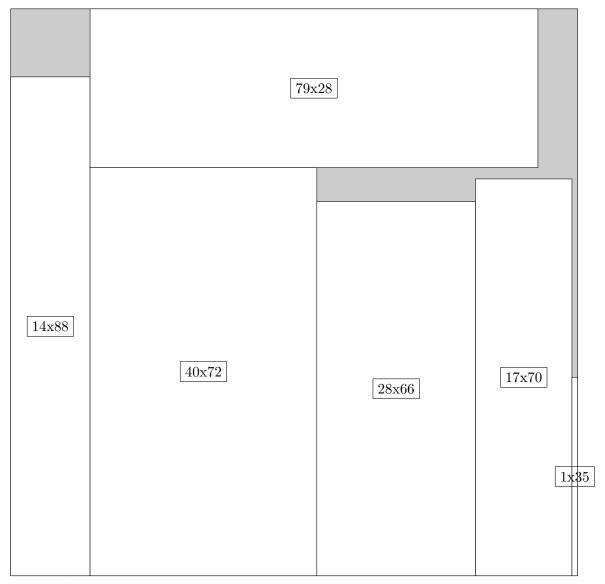
$$w = 96$$
, $h = 50$, $x = 0$, $y = 0$, $v = 4800$

$$\le =46$$
 , h =49 , x =0 , y =50 , v =2254

$$\le =46$$
 , $h=\!41$, $x=\!46$, $y=\!50$, $v=\!1886$

$$w$$
 =9 , h =5 , x =46 , y =91 , v =45

$$\le =42$$
 , $h=6$, $x=55$, $y=94$, $v=252$



$$\le =14$$
 , h =88 , x =0 , y =0 , v =1232

$$\le =40$$
 , h =72 , x =14 , y =0 , v =2880

$$w = 79$$
, $h = 28$, $x = 14$, $y = 72$, $v = 2212$

$$\le =28$$
 , h =66 , x =54 , y =0 , v =1848

$$w=\!17$$
 , $h=\!70$, $x=\!82$, $y=\!0$, $v=\!1190$

$$\mathbf{w}$$
 =1 , h =35 , x =99 , y =0 , v =35