$ClassName: \ Class_10.2bp\text{-}48$

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

TypeNum: <u>98</u> Num: <u>100</u> OutS: <u>160000</u> InS: <u>150659</u> Rate: <u>0.942</u> UB: <u>16</u> LB0: <u>16</u>

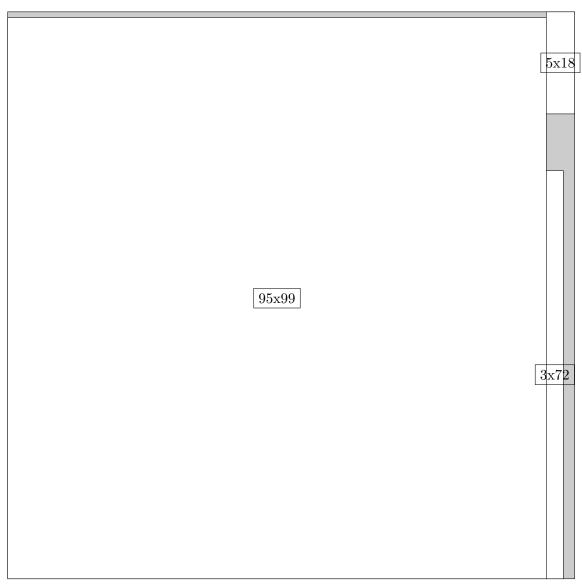
LBWithCut: $\underline{\bf 16}$ NodeCut: $\underline{\bf 0}$

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

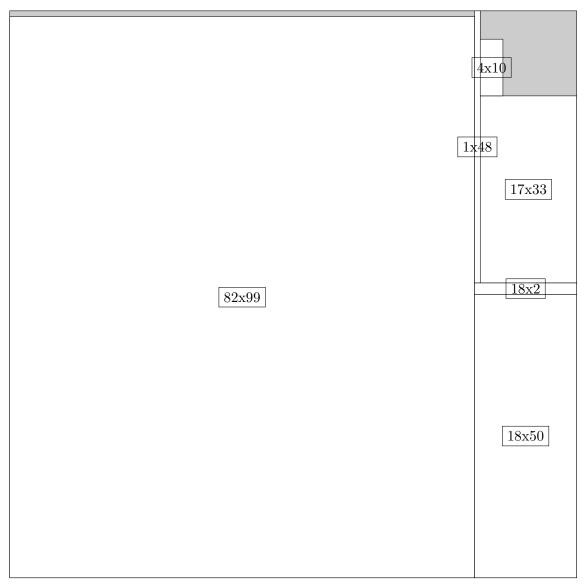
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{16}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{{\rm 1.040~s}} \\ {\rm TimeOnPrimal:} \ \underline{{\rm 0.000~s}} \\ {\rm TimeOnPricing:} \ \underline{{\rm 0.000~s}} \\ {\rm TimeOnRmp:} \ \underline{{\rm 0.079~s}} \\ {\rm TotalTime:} \ \underline{{\rm 1.181~s}} \end{array}$



 $\begin{array}{l} w = \! 95 \;,\; h = \! 99 \;,\; x = \! 0 \;,\; y = \! 0 \;,\; v = \! 9405 \\ w = \! 3 \;,\; h = \! 72 \;,\; x = \! 95 \;,\; y = \! 0 \;,\; v = \! 216 \\ w = \! 5 \;,\; h = \! 18 \;,\; x = \! 95 \;,\; y = \! 82 \;,\; v = \! 90 \end{array}$



$$\le =82$$
 , $h=99$, $x=0$, $y=0$, $v=8118$

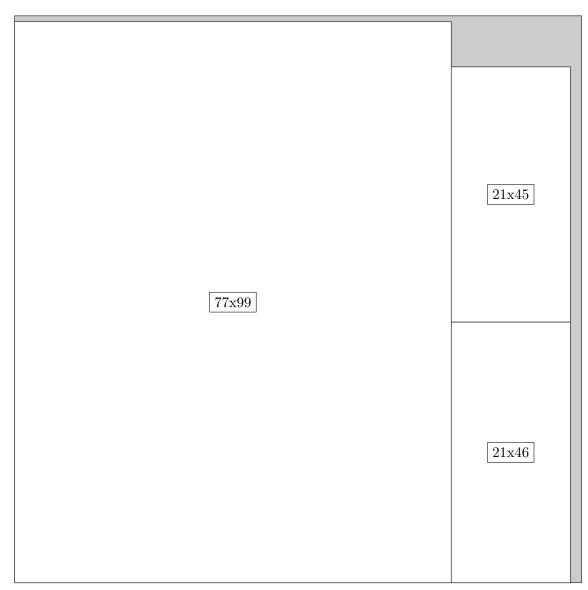
$$\le =18$$
 , $h=\!50$, $x=\!82$, $y=\!0$, $v=\!900$

$$w=\!17$$
 , $h=\!33$, $x=\!83$, $y=\!52$, $v=\!561$

$$\mathbf{w} = \!\! 1$$
 , $\mathbf{h} = \!\! 48$, $\mathbf{x} = \!\! 82$, $\mathbf{y} = \!\! 52$, $\mathbf{v} = \!\! 48$

$$\mathbf{w}$$
 =4 , h =10 , x =83 , y =85 , v =40

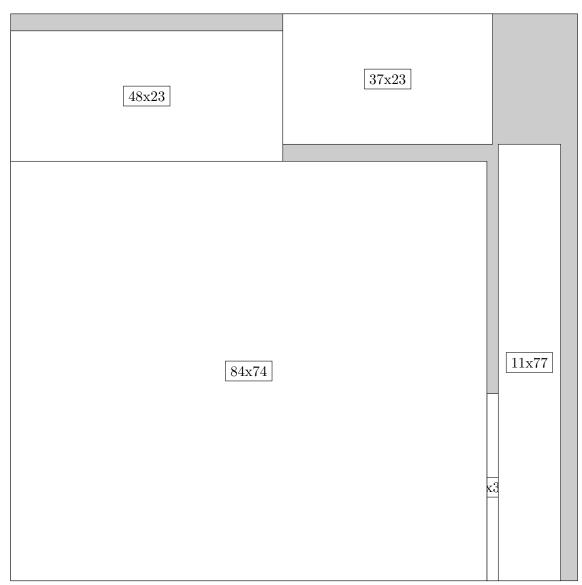
$$w=\!18$$
 , $h=\!2$, $x=\!82$, $y=\!50$, $v=\!36$



$$w = 77 \; , \; h = 99 \; , \; x = 0 \; , \; y = 0 \; , \; v = 7623$$

$$\le =21$$
 , h =46 , x =77 , y =0 , v =966

$$w$$
 =21 , h =45 , x =77 , y =46 , v =945



$$\mathbf{w}$$
 =2 , h =33 , x =84 , y =0 , v =66

$$w = 48$$
, $h = 23$, $x = 0$, $y = 74$, $v = 1104$

$$w=\!37$$
 , $h=\!23$, $x=\!48$, $y=\!77$, $v=\!851$

$$\mathbf{w}$$
 =11 , h =77 , x =86 , y =0 , v =847

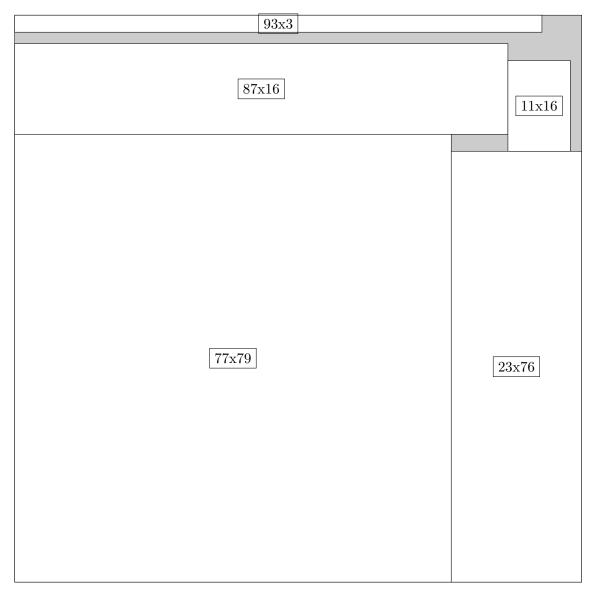
$$\le =84$$
 , h =74 , x =0 , y =0 , v =6216

48x39	33x37	16x37
100x61		

$$\begin{array}{l} w = \! 100 \ , \ h = \! 61 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6100 \\ w = \! 48 \ , \ h = \! 39 \ , \ x = \! 0 \ , \ y = \! 61 \ , \ v = \! 1872 \end{array}$$

$$\le =33$$
 , h =37 , x =48 , y =61 , v =1221

$$\le =16$$
 , h =37 , x =81 , y =61 , v =592



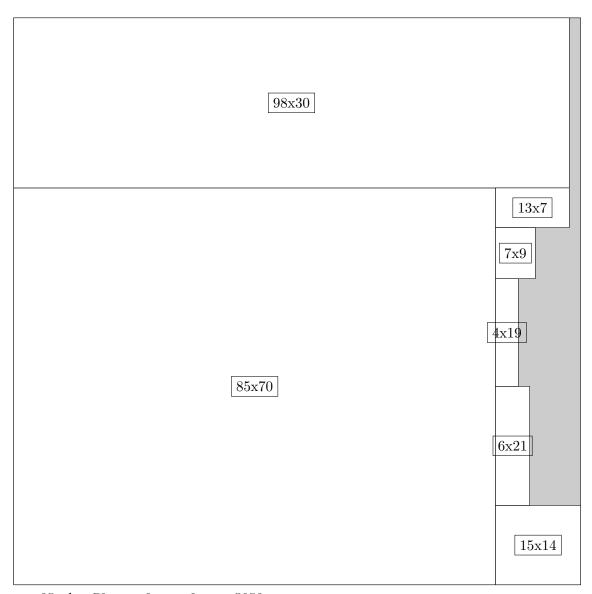
$$\mathbf{w}$$
 =77 , h =79 , x =0 , y =0 , v =6083

$$\le =23$$
 , h =76 , x =77 , y =0 , v =1748

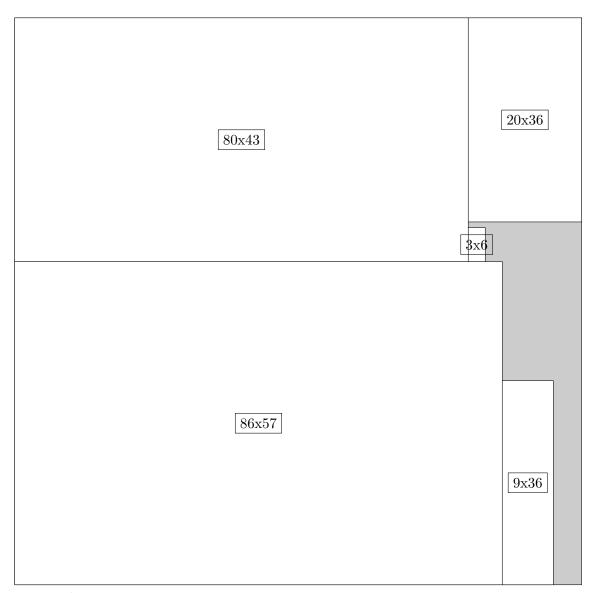
$$\le =87$$
 , h =16 , x =0 , y =79 , v =1392

$$\le =93$$
 , h =3 , x =0 , y =97 , v =279

$$\le =11$$
 , $h=16$, $x=87$, $y=76$, $v=176$



$$\begin{array}{l} w = \!85 \;, \; h = \!70 \;, \; x = \!0 \;, \; y = \!0 \;, \; v = \!5950 \\ w = \!98 \;, \; h = \!30 \;, \; x = \!0 \;, \; y = \!70 \;, \; v = \!2940 \\ w = \!15 \;, \; h = \!14 \;, \; x = \!85 \;, \; y = \!0 \;, \; v = \!210 \\ w = \!6 \;, \; h = \!21 \;, \; x = \!85 \;, \; y = \!14 \;, \; v = \!126 \\ w = \!13 \;, \; h = \!7 \;, \; x = \!85 \;, \; y = \!63 \;, \; v = \!91 \\ w = \!4 \;, \; h = \!19 \;, \; x = \!85 \;, \; y = \!35 \;, \; v = \!76 \\ w = \!7 \;, \; h = \!9 \;, \; x = \!85 \;, \; y = \!54 \;, \; v = \!63 \end{array}$$



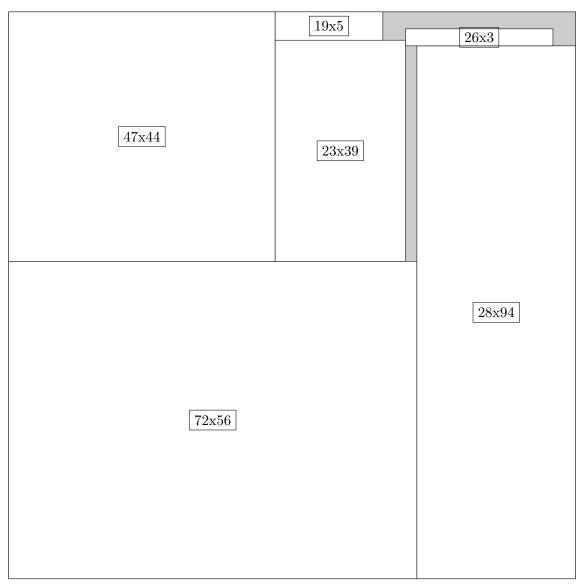
$$\le =86$$
 , h =57 , x =0 , y =0 , v =4902

$$\le =80$$
 , h =43 , x =0 , y =57 , v =3440

$$\le =20$$
 , h =36 , x =80 , y =64 , v =720

$$\le =9$$
 , h =36 , x =86 , y =0 , v =324

$$w = 3$$
, $h = 6$, $x = 80$, $y = 57$, $v = 18$



$$w = 72$$
, $h = 56$, $x = 0$, $y = 0$, $v = 4032$

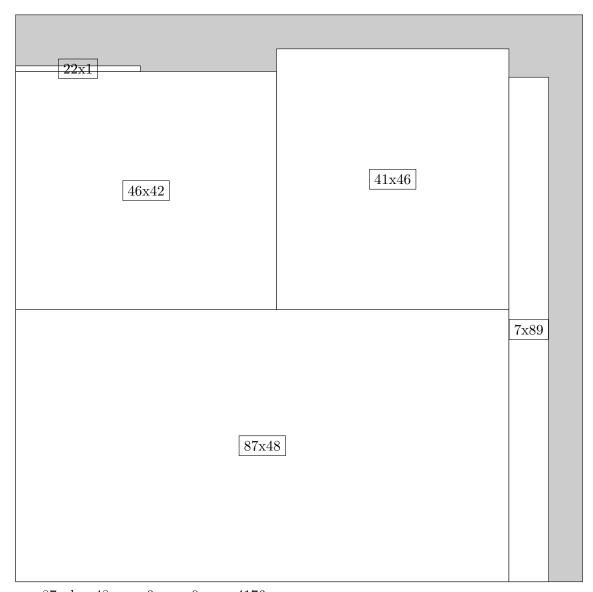
$$\le =28$$
 , h =94 , x =72 , y =0 , v =2632

$$\le =47$$
 , h =44 , x =0 , y =56 , v =2068

$$\le =23$$
 , h =39 , x =47 , y =56 , v =897

$$\le =19$$
 , h =5 , x =47 , y =95 , v =95

$$w$$
 =26 , h =3 , x =70 , y =94 , v =78



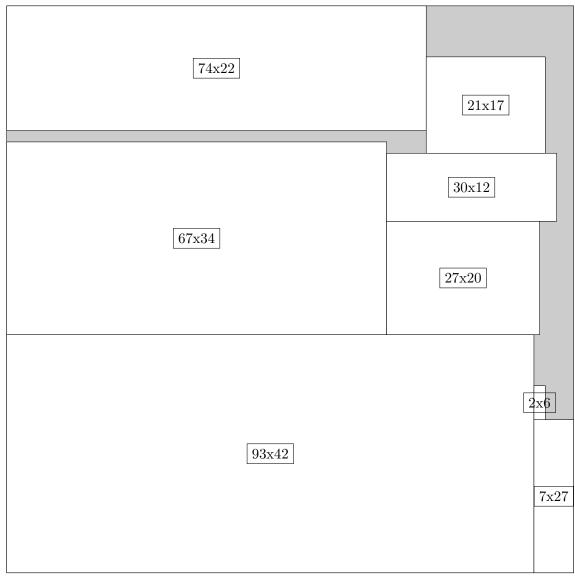
$$\le =87$$
 , h =48 , x =0 , y =0 , v =4176

$$\le =46$$
 , $h=42$, $x=0$, $y=48$, $v=1932$

$$\le =41$$
 , $h=46$, $x=46$, $y=48$, $v=1886$

$$\mathbf{w}$$
 =7 , h =89 , x =87 , y =0 , v =623

$$w = 22$$
, $h = 1$, $x = 0$, $y = 90$, $v = 22$



$$w = 93$$
, $h = 42$, $x = 0$, $y = 0$, $v = 3906$

$$w = 67$$
, $h = 34$, $x = 0$, $y = 42$, $v = 2278$

$$w = 74$$
, $h = 22$, $x = 0$, $y = 78$, $v = 1628$

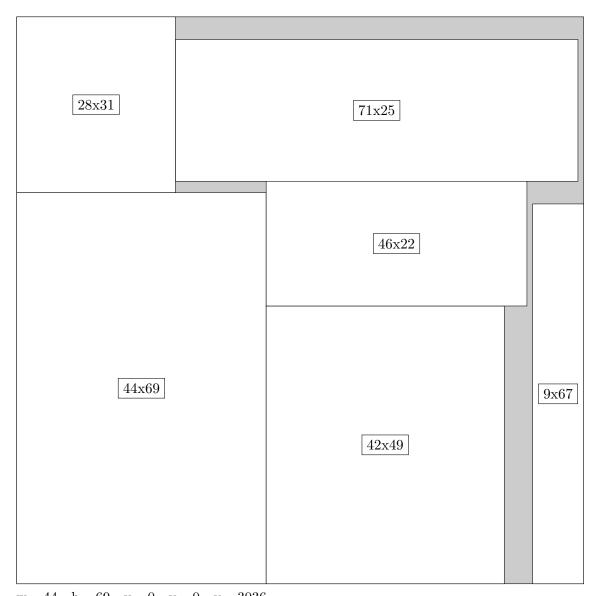
$$w = 27$$
, $h = 20$, $x = 67$, $y = 42$, $v = 540$

$$\le =30$$
 , $h=12$, $x=67$, $y=62$, $v=360$

$$w$$
 =21 , h =17 , x =74 , y =74 , v =357

$$\mathbf{w}$$
 =7 , h =27 , x =93 , y =0 , v =189

$$\mathbf{w}$$
 =2 , h =6 , x =93 , y =27 , v =12



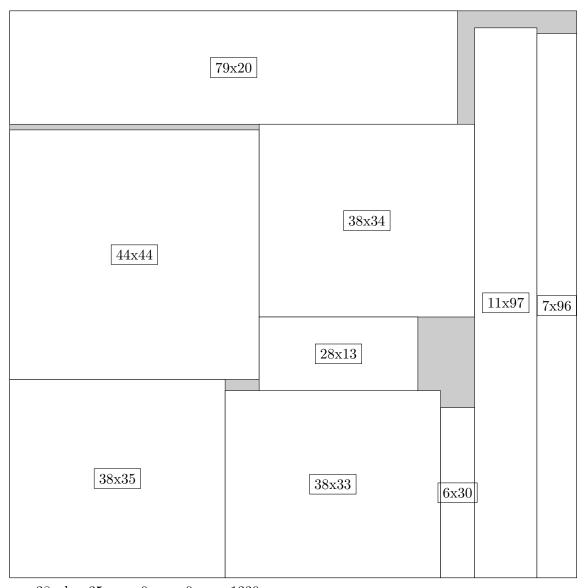
$$\begin{array}{l} w = \!\! 44 \ , \ h = \!\! 69 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3036 \\ w = \!\! 42 \ , \ h = \!\! 49 \ , \ x = \!\! 44 \ , \ y = \!\! 0 \ , \ v = \!\! 2058 \\ \end{array}$$

$$\le =71$$
 , h =25 , x =28 , y =71 , v =1775

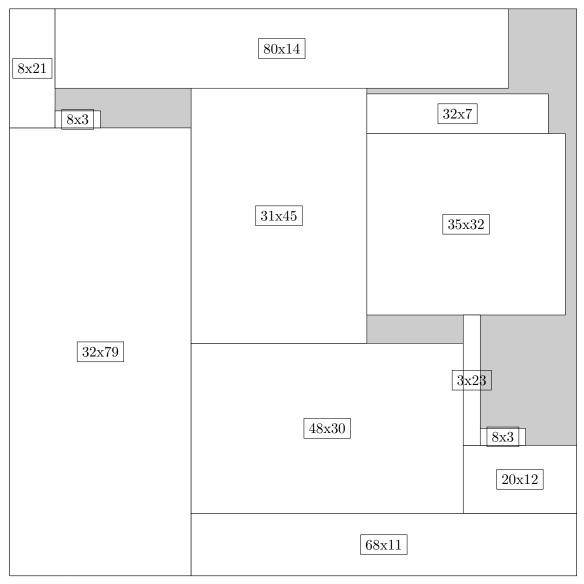
$$w = 46$$
, $h = 22$, $x = 44$, $y = 49$, $v = 1012$

$$\le =28$$
 , h =31 , x =0 , y =69 , v =868

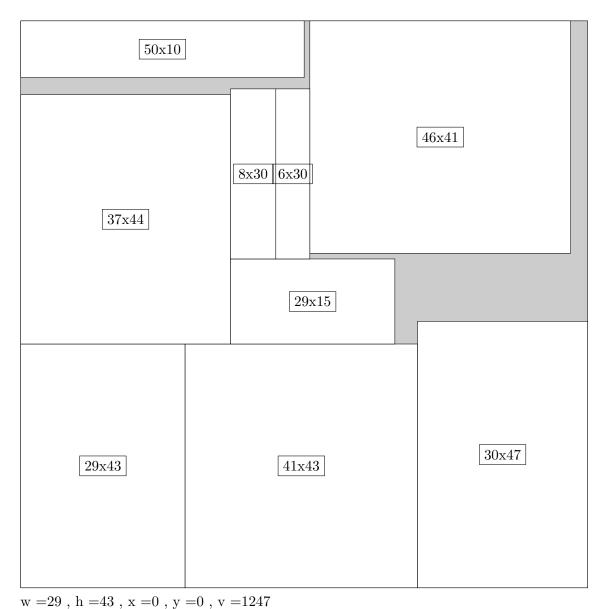
$$\le =9$$
 , h =67 , x =91 , y =0 , v =603



$$\begin{array}{l} w = 38 \; , \, h = 35 \; , \, x = 0 \; , \, y = 0 \; , \, v = 1330 \\ w = 44 \; , \, h = 44 \; , \, x = 0 \; , \, y = 35 \; , \, v = 1936 \\ w = 79 \; , \, h = 20 \; , \, x = 0 \; , \, y = 80 \; , \, v = 1580 \\ w = 38 \; , \, h = 34 \; , \, x = 44 \; , \, y = 46 \; , \, v = 1292 \\ w = 38 \; , \, h = 33 \; , \, x = 38 \; , \, y = 0 \; , \, v = 1254 \\ w = 11 \; , \, h = 97 \; , \, x = 82 \; , \, y = 0 \; , \, v = 1067 \\ w = 7 \; , \, h = 96 \; , \, x = 93 \; , \, y = 0 \; , \, v = 672 \\ w = 28 \; , \, h = 13 \; , \, x = 44 \; , \, y = 33 \; , \, v = 364 \\ w = 6 \; , \, h = 30 \; , \, x = 76 \; , \, y = 0 \; , \, v = 180 \\ \end{array}$$

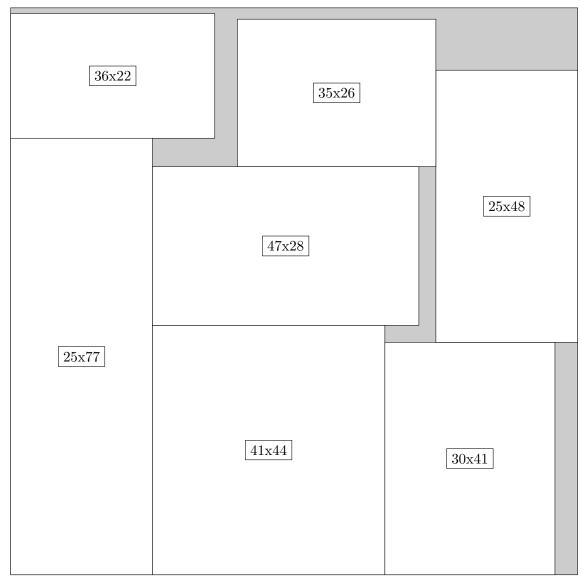


$$\begin{array}{l} w = & 32 \;, \; h = & 79 \;, \; x = & 0 \;, \; y = & 0 \;, \; v = & 2528 \\ w = & 48 \;, \; h = & 30 \;, \; x = & 32 \;, \; y = & 11 \;, \; v = & 1440 \\ w = & 31 \;, \; h = & 45 \;, \; x = & 32 \;, \; y = & 41 \;, \; v = & 1395 \\ w = & 35 \;, \; h = & 32 \;, \; x = & 63 \;, \; y = & 46 \;, \; v = & 1120 \\ w = & 8 \;, \; h = & 21 \;, \; x = & 0 \;, \; y = & 79 \;, \; v = & 168 \\ w = & 68 \;, \; h = & 11 \;, \; x = & 32 \;, \; y = & 0 \;, \; v = & 748 \\ w = & 20 \;, \; h = & 12 \;, \; x = & 80 \;, \; y = & 11 \;, \; v = & 240 \\ w = & 32 \;, \; h = & 7 \;, \; x = & 63 \;, \; y = & 78 \;, \; v = & 224 \\ w = & 80 \;, \; h = & 14 \;, \; x = & 8 \;, \; y = & 86 \;, \; v = & 1120 \\ w = & 3 \;, \; h = & 23 \;, \; x = & 80 \;, \; y = & 23 \;, \; v = & 69 \\ w = & 8 \;, \; h = & 3 \;, \; x = & 83 \;, \; y = & 23 \;, \; v = & 24 \\ w = & 8 \;, \; h = & 3 \;, \; x = & 8 \;, \; y = & 79 \;, \; v = & 24 \\ \end{array}$$



$$\begin{array}{l} w = \!\! 41 \;,\; h = \!\! 43 \;,\; x = \!\! 29 \;,\; y = \!\! 0 \;,\; v = \!\! 1763 \\ w = \!\! 37 \;,\; h = \!\! 44 \;,\; x = \!\! 0 \;,\; y = \!\! 43 \;,\; v = \!\! 1628 \\ w = \!\! 30 \;,\; h = \!\! 47 \;,\; x = \!\! 70 \;,\; y = \!\! 0 \;,\; v = \!\! 1410 \\ w = \!\! 46 \;,\; h = \!\! 41 \;,\; x = \!\! 51 \;,\; y = \!\! 59 \;,\; v = \!\! 1886 \\ w = \!\! 50 \;,\; h = \!\! 10 \;,\; x = \!\! 0 \;,\; y = \!\! 90 \;,\; v = \!\! 500 \\ w = \!\! 29 \;,\; h = \!\! 15 \;,\; x = \!\! 37 \;,\; y = \!\! 43 \;,\; v = \!\! 435 \\ w = \!\! 8 \;,\; h = \!\! 30 \;,\; x = \!\! 37 \;,\; y = \!\! 58 \;,\; v = \!\! 240 \\ \end{array}$$

$$w = 6$$
, $h = 30$, $x = 45$, $y = 58$, $v = 180$



$$\le =25$$
 , $h=77$, $x=0$, $y=0$, $v=1925$

$$w=\!41$$
 , $h=\!44$, $x=\!25$, $y=\!0$, $v=\!1804$

$$\le =47$$
 , h =28 , x =25 , y =44 , v =1316

$$\le =30$$
 , h =41 , x =66 , y =0 , v =1230

$$\le =25$$
 , h =48 , x =75 , y =41 , v =1200

$$\le =35$$
 , h =26 , x =40 , y =72 , v =910

$$w = 36$$
, $h = 22$, $x = 0$, $y = 77$, $v = 792$