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

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> LB: <u>16</u>

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

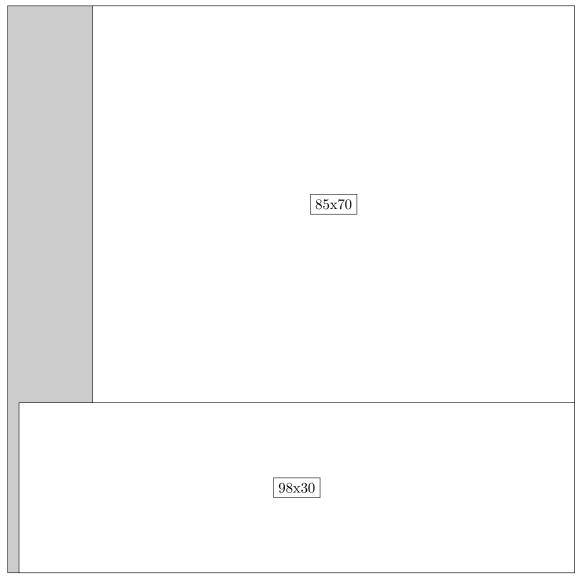
ExtendedNodeCnt: $\underline{\mathbf{1}}$

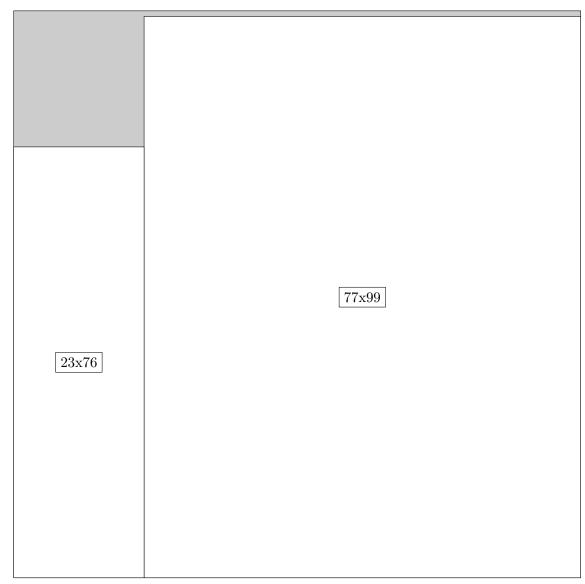
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{16}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

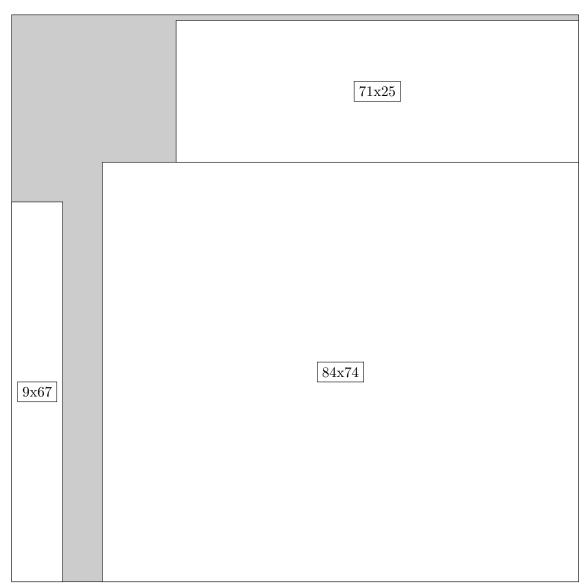
isOpt: $\underline{\mathbf{true}}$

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

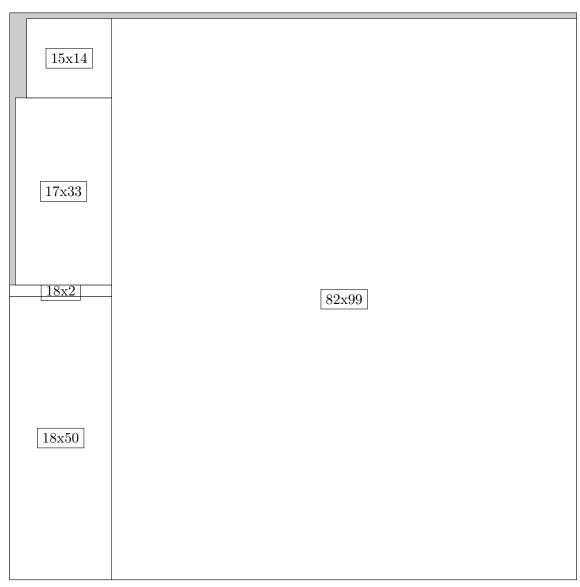
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.094 sTotalTime: 600.422 s







$$\begin{array}{l} w = \! 84 \; , \; h = \! 74 \; , \; x = \! 16 \; , \; y = \! 0 \; , \; v = \! 6216 \\ w = \! 71 \; , \; h = \! 25 \; , \; x = \! 29 \; , \; y = \! 74 \; , \; v = \! 1775 \\ w = \! 9 \; , \; h = \! 67 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 603 \end{array}$$



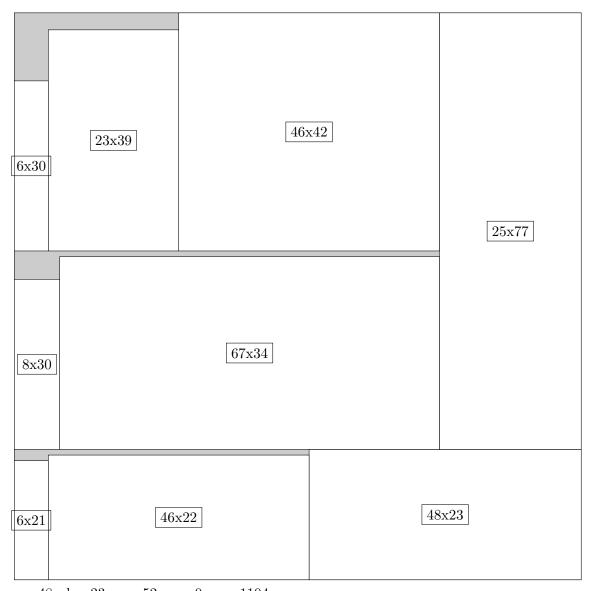
$$w = 82$$
, $h = 99$, $x = 18$, $y = 0$, $v = 8118$

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

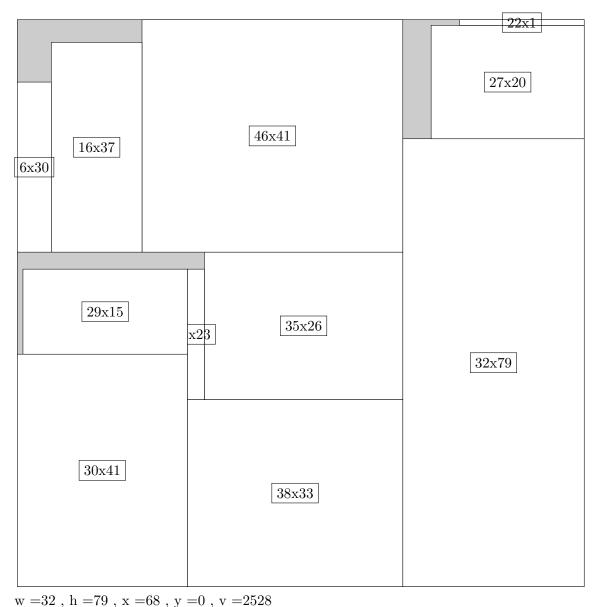
$$\le =18$$
 , h =2 , x =0 , y =50 , v =36

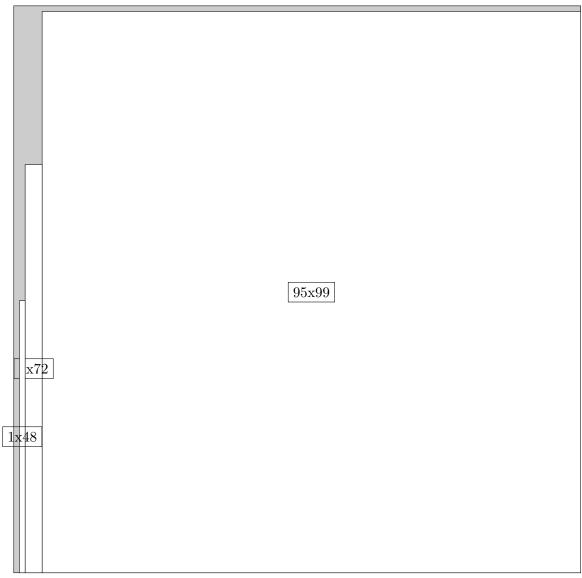
$$\le =17$$
 , h =33 , x =1 , y =52 , v =561

$$\le =15$$
 , $h=14$, $x=3$, $y=85$, $v=210$

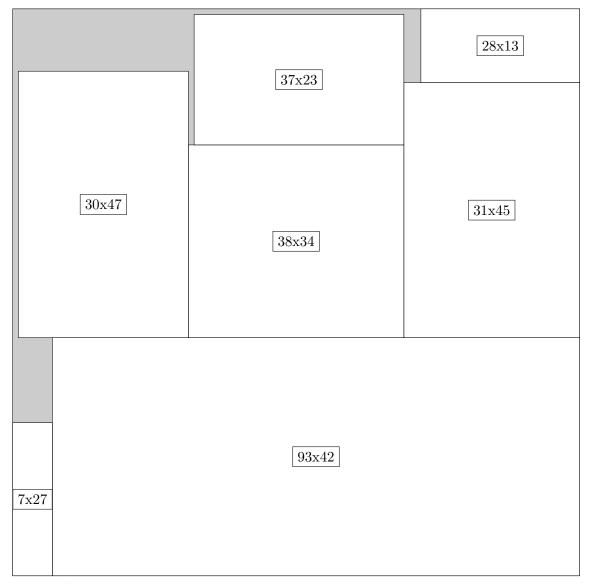


 $\begin{array}{l} w = \!\!48 \;,\; h = \!\!23 \;,\; x = \!\!52 \;,\; y = \!\!0 \;,\; v = \!\!1104 \\ w = \!\!46 \;,\; h = \!\!22 \;,\; x = \!\!6 \;,\; y = \!\!0 \;,\; v = \!\!1012 \\ w = \!\!6 \;,\; h = \!\!21 \;,\; x = \!\!0 \;,\; y = \!\!0 \;,\; v = \!\!126 \\ w = \!\!25 \;,\; h = \!\!77 \;,\; x = \!\!75 \;,\; y = \!\!23 \;,\; v = \!\!1925 \\ w = \!\!67 \;,\; h = \!\!34 \;,\; x = \!\!8 \;,\; y = \!\!23 \;,\; v = \!\!2278 \\ w = \!\!8 \;,\; h = \!\!30 \;,\; x = \!\!6 \;,\; y = \!\!23 \;,\; v = \!\!240 \\ w = \!\!46 \;,\; h = \!\!42 \;,\; x = \!\!29 \;,\; y = \!\!58 \;,\; v = \!\!1932 \\ w = \!\!23 \;,\; h = \!\!39 \;,\; x = \!\!6 \;,\; y = \!\!58 \;,\; v = \!\!897 \\ w = \!\!6 \;,\; h = \!\!30 \;,\; x = \!\!0 \;,\; y = \!\!58 \;,\; v = \!\!180 \\ \end{array}$





 $\begin{array}{l} w = \! 95 \; , \; h = \! 99 \; , \; x = \! 5 \; , \; y = \! 0 \; , \; v = \! 9405 \\ w = \! 3 \; , \; h = \! 72 \; , \; x = \! 2 \; , \; y = \! 0 \; , \; v = \! 216 \\ w = \! 1 \; , \; h = \! 48 \; , \; x = \! 1 \; , \; y = \! 0 \; , \; v = \! 48 \end{array}$



$$\le =93$$
 , h =42 , x =7 , y =0 , v =3906

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

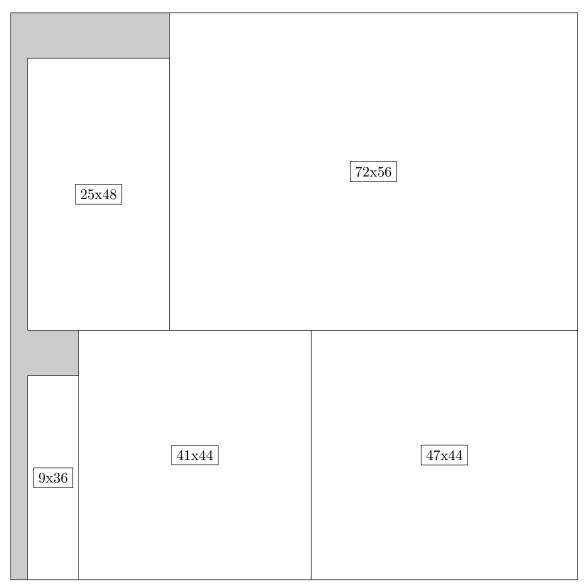
$$w=\!31$$
 , $h=\!45$, $x=\!69$, $y=\!42$, $v=\!1395$

$$\le =28$$
 , h =13 , x =72 , y =87 , v =364

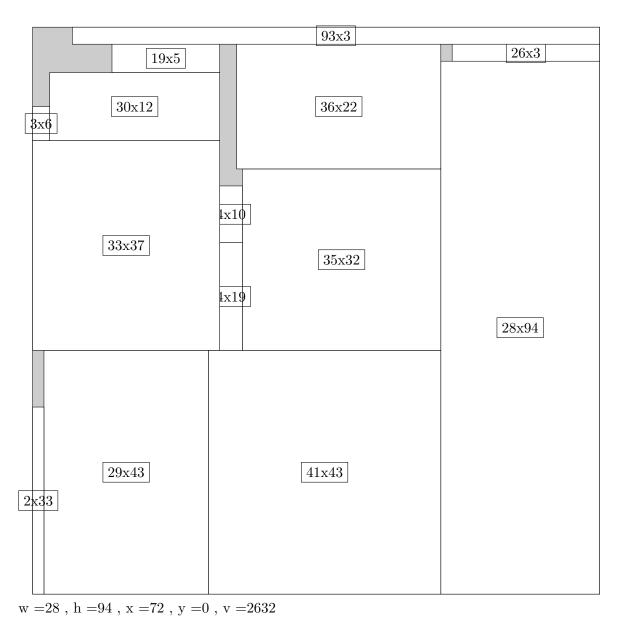
$$w=\!38$$
 , $h=\!34$, $x=\!31$, $y=\!42$, $v=\!1292$

$$w=\!37$$
 , $h=\!23$, $x=\!32$, $y=\!76$, $v=\!851$

$$\le =30$$
 , h =47 , x =1 , y =42 , v =1410

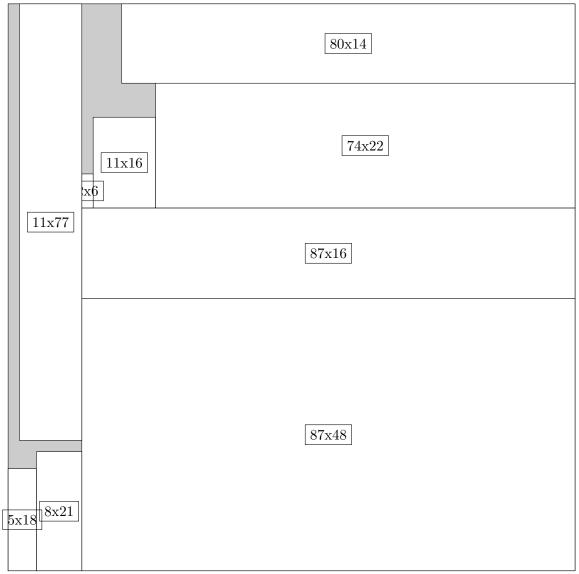


 $\begin{array}{l} w = \!\!47 \;,\; h = \!\!44 \;,\; x = \!\!53 \;,\; y = \!\!0 \;,\; v = \!\!2068 \\ w = \!\!41 \;,\; h = \!\!44 \;,\; x = \!\!12 \;,\; y = \!\!0 \;,\; v = \!\!1804 \\ w = \!\!9 \;,\; h = \!\!36 \;,\; x = \!\!3 \;,\; y = \!\!0 \;,\; v = \!\!324 \\ w = \!\!72 \;,\; h = \!\!56 \;,\; x = \!\!28 \;,\; y = \!\!44 \;,\; v = \!\!4032 \\ w = \!\!25 \;,\; h = \!\!48 \;,\; x = \!\!3 \;,\; y = \!\!44 \;,\; v = \!\!1200 \end{array}$

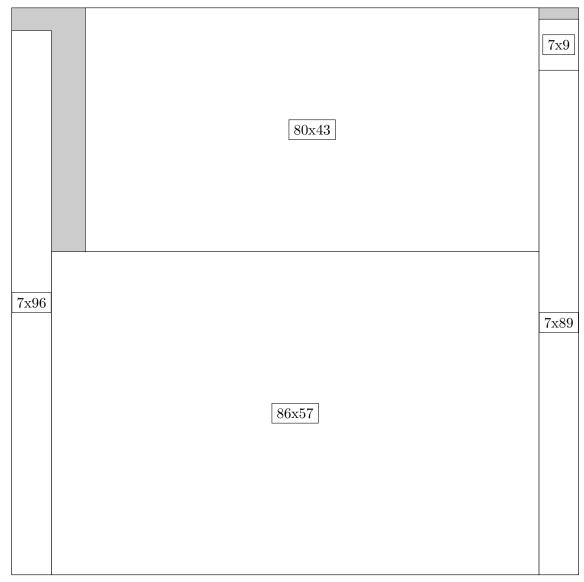


$$\begin{array}{l} w=26\;,\; h=3\;,\; x=74\;,\; y=94\;,\; v=78\\ w=41\;,\; h=43\;,\; x=31\;,\; y=0\;,\; v=1763\\ w=29\;,\; h=43\;,\; x=2\;,\; y=0\;,\; v=1247\\ w=2\;,\; h=33\;,\; x=0\;,\; y=0\;,\; v=66\\ w=35\;,\; h=32\;,\; x=37\;,\; y=43\;,\; v=1120\\ w=4\;,\; h=19\;,\; x=33\;,\; y=43\;,\; v=76\\ w=4\;,\; h=10\;,\; x=33\;,\; y=62\;,\; v=40\\ w=36\;,\; h=22\;,\; x=36\;,\; y=75\;,\; v=792\\ w=33\;,\; h=37\;,\; x=0\;,\; y=43\;,\; v=1221\\ w=30\;,\; h=12\;,\; x=3\;,\; y=80\;,\; v=360\\ w=3\;,\; h=6\;,\; x=0\;,\; y=80\;,\; v=18\\ w=19\;,\; h=5\;,\; x=14\;,\; y=92\;,\; v=95\\ \end{array}$$

 $w=\!93$, $h=\!3$, $x=\!7$, $y=\!\!97$, $v=\!\!279$



 $\begin{array}{l} w=87 \;,\; h=48 \;,\; x=13 \;,\; y=0 \;,\; v=4176 \\ w=87 \;,\; h=16 \;,\; x=13 \;,\; y=48 \;,\; v=1392 \\ w=74 \;,\; h=22 \;,\; x=26 \;,\; y=64 \;,\; v=1628 \\ w=11 \;,\; h=16 \;,\; x=15 \;,\; y=64 \;,\; v=176 \\ w=2 \;,\; h=6 \;,\; x=13 \;,\; y=64 \;,\; v=12 \\ w=80 \;,\; h=14 \;,\; x=20 \;,\; y=86 \;,\; v=1120 \\ w=8 \;,\; h=21 \;,\; x=5 \;,\; y=0 \;,\; v=168 \\ w=5 \;,\; h=18 \;,\; x=0 \;,\; y=0 \;,\; v=90 \\ w=11 \;,\; h=77 \;,\; x=2 \;,\; y=23 \;,\; v=847 \end{array}$



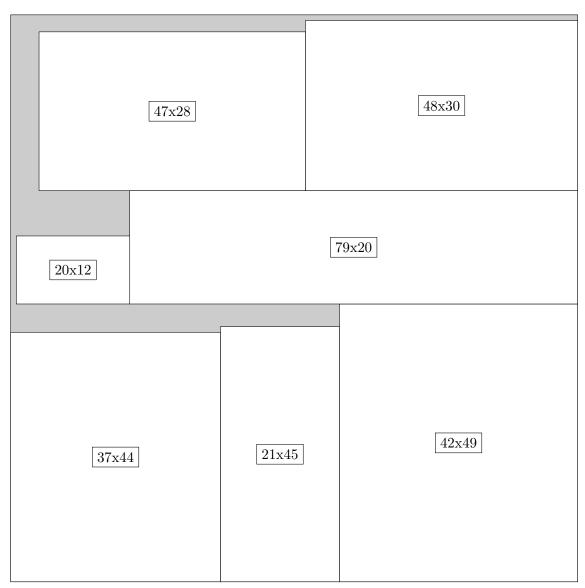
$$w = 7$$
, $h = 89$, $x = 93$, $y = 0$, $v = 623$

$$w$$
 =7 , h =9 , x =93 , y =89 , v =63

$$\le =86$$
 , h =57 , x =7 , y =0 , v =4902

$$\le =80$$
 , $h=\!43$, $x=\!13$, $y=\!57$, $v=\!3440$

$$w = 7$$
, $h = 96$, $x = 0$, $y = 0$, $v = 672$



$$w = 42$$
, $h = 49$, $x = 58$, $y = 0$, $v = 2058$

$$w=\!21$$
 , $h=\!45$, $x=\!37$, $y=\!0$, $v=\!945$

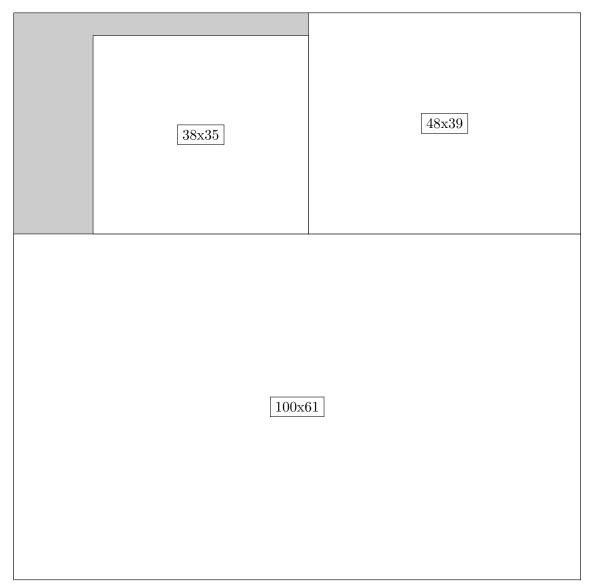
$$w = 37$$
, $h = 44$, $x = 0$, $y = 0$, $v = 1628$

$$w = 79$$
, $h = 20$, $x = 21$, $y = 49$, $v = 1580$

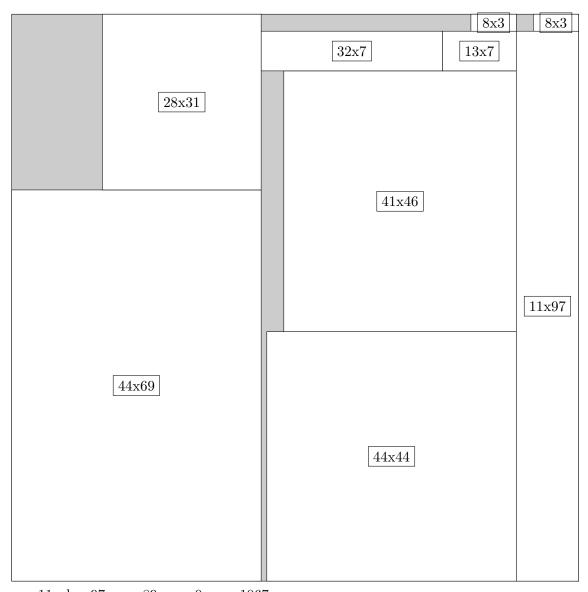
$$\le =20$$
 , h =12 , x =1 , y =49 , v =240

$$w$$
 =48 , h =30 , x =52 , y =69 , v =1440

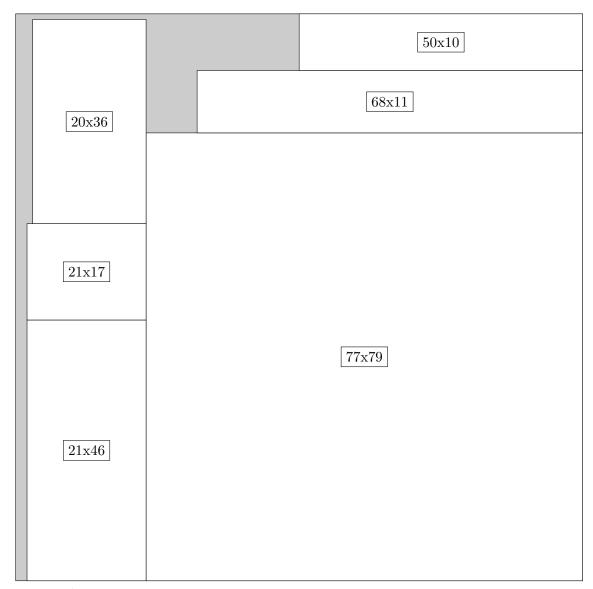
$$w = 47$$
, $h = 28$, $x = 5$, $y = 69$, $v = 1316$



$$\begin{array}{l} w = \! 100 \ , \ h = \! 61 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6100 \\ w = \! 48 \ , \ h = \! 39 \ , \ x = \! 52 \ , \ y = \! 61 \ , \ v = \! 1872 \\ w = \! 38 \ , \ h = \! 35 \ , \ x = \! 14 \ , \ y = \! 61 \ , \ v = \! 1330 \end{array}$$



$$\begin{array}{l} w=11\;,\; h=97\;,\; x=89\;,\; y=0\;,\; v=1067\\ w=8\;,\; h=3\;,\; x=92\;,\; y=97\;,\; v=24\\ w=44\;,\; h=44\;,\; x=45\;,\; y=0\;,\; v=1936\\ w=41\;,\; h=46\;,\; x=48\;,\; y=44\;,\; v=1886\\ w=13\;,\; h=7\;,\; x=76\;,\; y=90\;,\; v=91\\ w=8\;,\; h=3\;,\; x=81\;,\; y=97\;,\; v=24\\ w=32\;,\; h=7\;,\; x=44\;,\; y=90\;,\; v=224\\ w=44\;,\; h=69\;,\; x=0\;,\; y=0\;,\; v=3036\\ w=28\;,\; h=31\;,\; x=16\;,\; y=69\;,\; v=868\\ \end{array}$$



$$w$$
 =77 , h =79 , x =23 , y =0 , v =6083

$$\le =68$$
 , $h=11$, $x=32$, $y=79$, $v=748$

$$w=\!50$$
 , $h=\!10$, $x=\!50$, $y=\!90$, $v=\!500$

$$\le =21$$
 , h =46 , x =2 , y =0 , v =966

$$\le =21$$
 , h =17 , x =2 , y =46 , v =357

$$\le =20$$
 , $h=36$, $x=3$, $y=63$, $v=720$