$ClassName: \ Class_05.2bp-24$

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

TypeNum: <u>60</u>
Num: <u>60</u>
OutS: <u>150000</u>
InS: <u>136651</u>
Rate: <u>0.911</u>
UB: <u>15</u>
LB0: <u>15</u>
LB: <u>15</u>

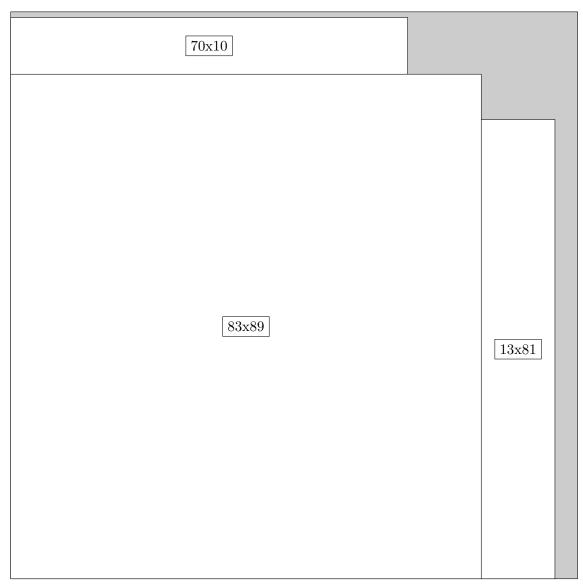
LBWithCut: $\underline{\bf 15}$ NodeCut: $\underline{\bf 0}$

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{15}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: **true**

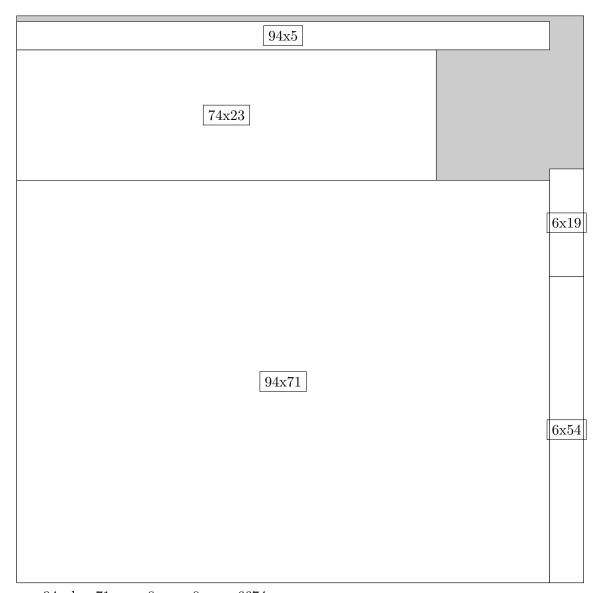
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.150 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.062 \ s} \\ {\rm TotalTime:} \ \underline{0.275 \ s} \end{array}$



$$\mathbf{w}$$
 =83 , h =89 , x =0 , y =0 , v =7387

$$\le =13$$
 , h =81 , x =83 , y =0 , v =1053

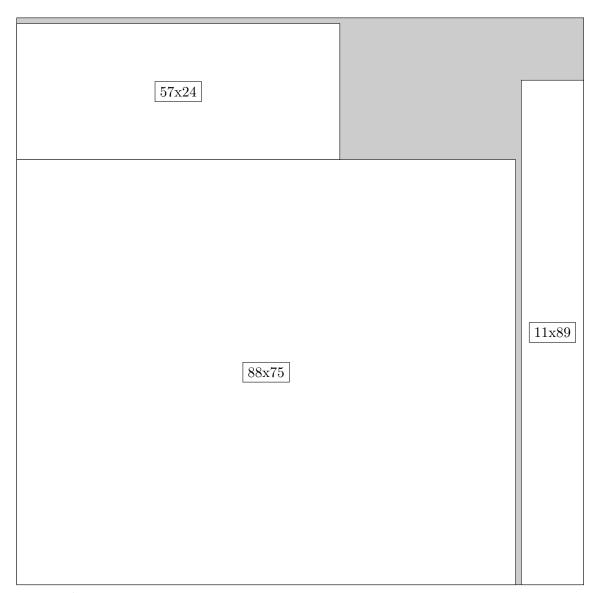
$$\le =70$$
 , h =10 , x =0 , y =89 , v =700



$$\begin{array}{l} w = \! 94 \ , \ h = \! 71 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6674 \\ w = \! 74 \ , \ h = \! 23 \ , \ x = \! 0 \ , \ y = \! 71 \ , \ v = \! 1702 \end{array}$$

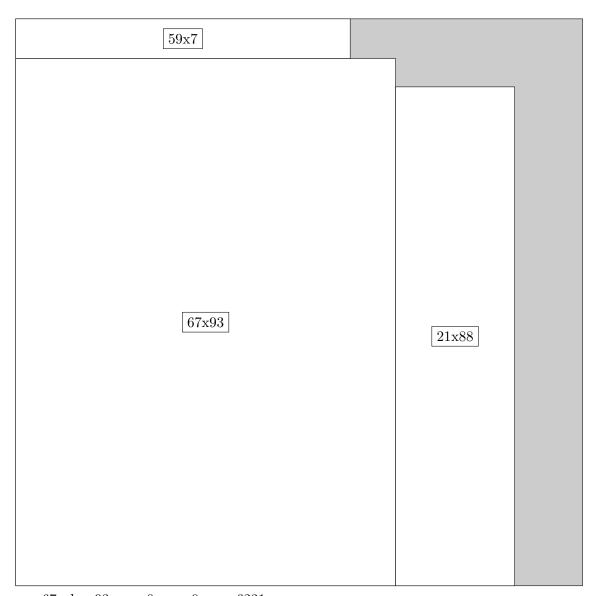
$$w = 6$$
, $h = 54$, $x = 94$, $y = 0$, $v = 324$

$$w = 6$$
, $h = 19$, $x = 94$, $y = 54$, $v = 114$



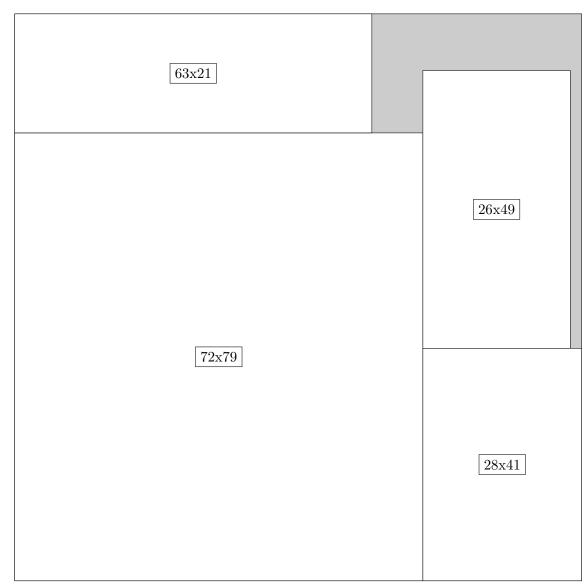
$$\begin{array}{l} w = \! 88 \; , \; h = \! 75 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 6600 \\ w = \! 57 \; , \; h = \! 24 \; , \; x = \! 0 \; , \; y = \! 75 \; , \; v = \! 1368 \end{array}$$

$$w = 11$$
, $h = 89$, $x = 89$, $y = 0$, $v = 979$



$$\begin{array}{l} w = \!\!67 \; , \; h = \!\!93 \; , \; x = \!\!0 \; , \; y = \!\!0 \; , \; v = \!\!6231 \\ w = \!\!21 \; , \; h = \!\!88 \; , \; x = \!\!67 \; , \; y = \!\!0 \; , \; v = \!\!1848 \end{array}$$

$$\le =59$$
 , h =7 , x =0 , y =93 , v =413

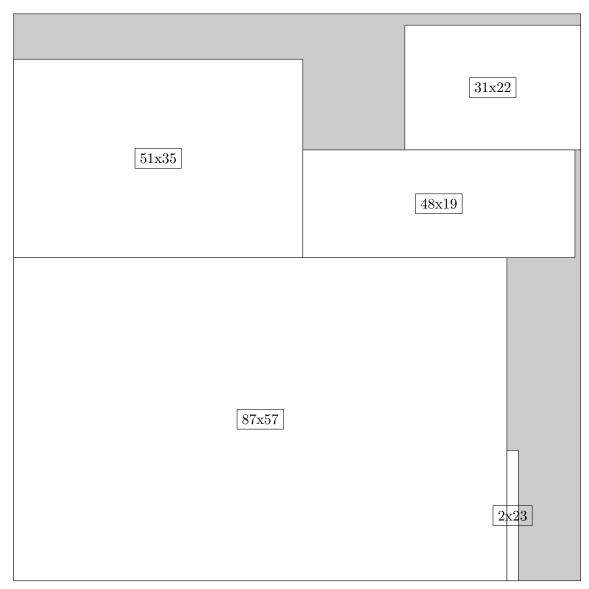


$$\mathbf{w}$$
 =72 , h =79 , x =0 , y =0 , v =5688

$$\le =63$$
 , h =21 , x =0 , y =79 , v =1323

$$\le =26$$
 , h =49 , x =72 , y =41 , v =1274

$$\mathbf{w}$$
 =28 , h =41 , x =72 , y =0 , v =1148



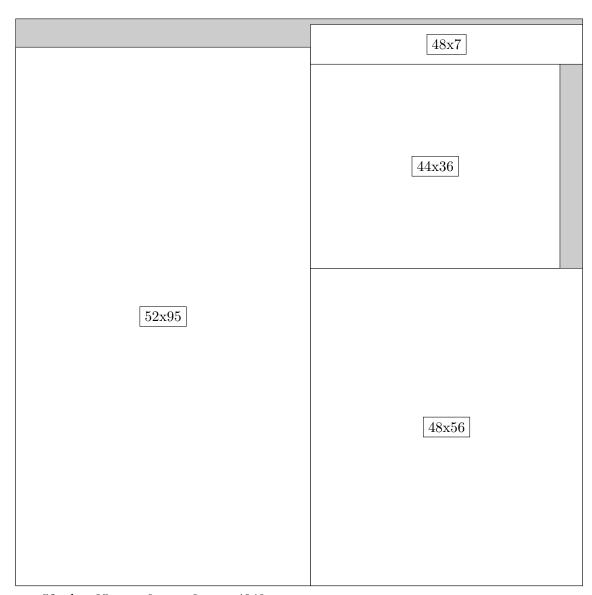
$$\le =87$$
 , h =57 , x =0 , y =0 , v =4959

$$\le =51$$
 , h =35 , x =0 , y =57 , v =1785

$$\le =31$$
 , h =22 , x =69 , y =76 , v =682

$$\mathbf{w}$$
 =48 , h =19 , x =51 , y =57 , v =912

$$\mathbf{w}$$
 =2 , h =23 , x =87 , y =0 , v =46

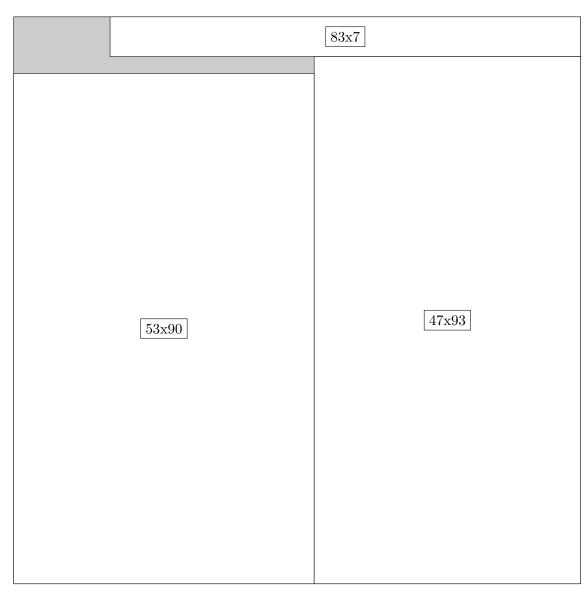


$$\le =52$$
 , h =95 , x =0 , y =0 , v =4940

$$\le =48$$
 , $h=\!56$, $x=\!52$, $y=\!0$, $v=\!2688$

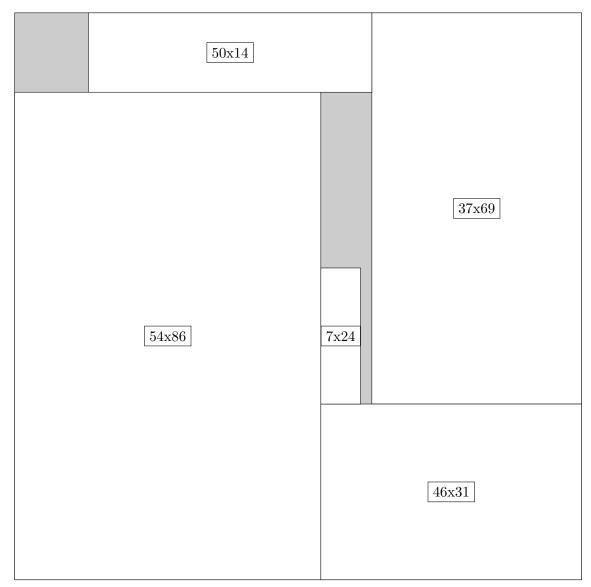
$$\le =44$$
 , h =36 , x =52 , y =56 , v =1584

$$\le =48$$
 , h =7 , x =52 , y =92 , v =336



 $\begin{array}{l} w = \! 53 \ , \ h = \! 90 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4770 \\ w = \! 47 \ , \ h = \! 93 \ , \ x = \! 53 \ , \ y = \! 0 \ , \ v = \! 4371 \end{array}$

w = 83, h = 7, x = 17, y = 93, v = 581



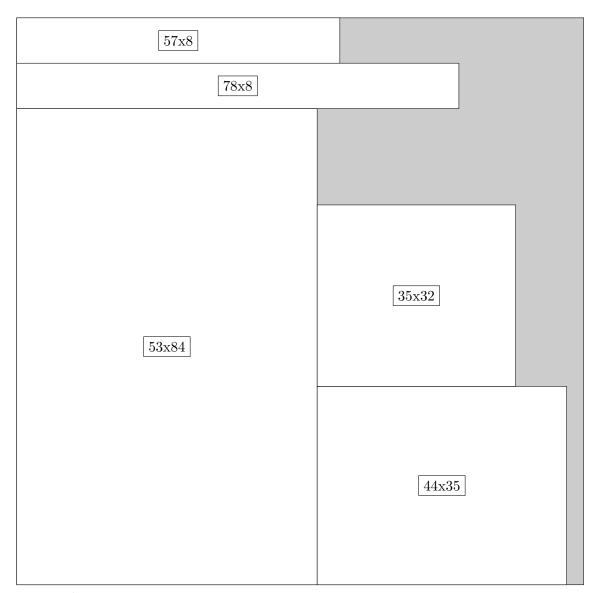
w = 54, h = 86, x = 0, y = 0, v = 4644

 $\le =37$, h =69 , x =63 , y =31 , v =2553

 \mathbf{w} =46 , h =31 , x =54 , y =0 , v =1426

w =50 , h =14 , x =13 , y =86 , v =700

w =7 , h =24 , x =54 , y =31 , v =168



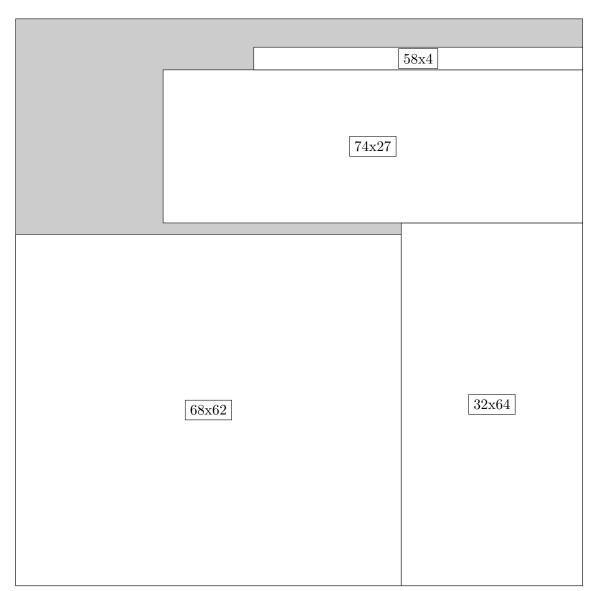
$$\le =53$$
 , h =84 , x =0 , y =0 , v =4452

$$\le =44$$
 , h =35 , x =53 , y =0 , v =1540

$$\le =35$$
 , h =32 , x =53 , y =35 , v =1120

$$\le -78$$
 , h =
8 , x =
0 , y =
84 , v =
624

$$\le =57$$
 , h =8 , x =0 , y =92 , v =456

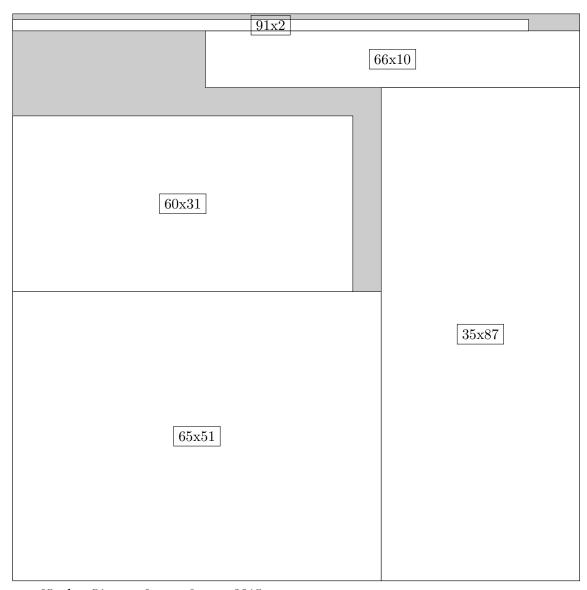


$$\le =68$$
 , h =62 , x =0 , y =0 , v =4216

$$\le =32$$
 , h =64 , x =68 , y =0 , v =2048

$$\le =74$$
 , h =27 , x =26 , y =64 , v =1998

$$w$$
 =58 , h =4 , x =42 , y =91 , v =232



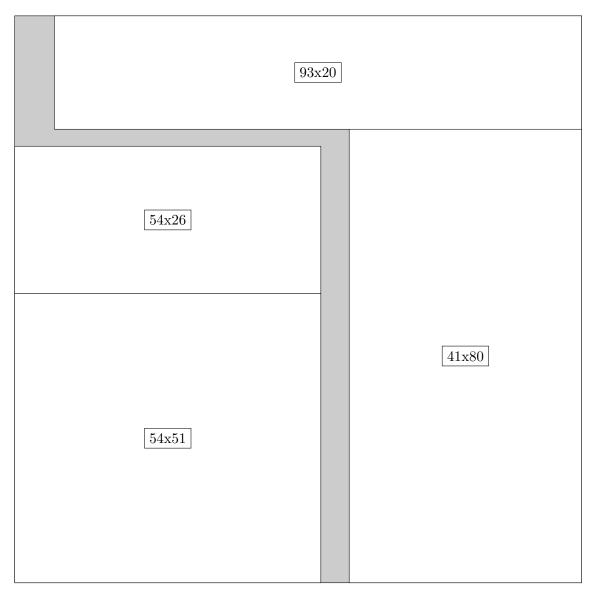
$$\le =65$$
 , $h=\!51$, $x=\!0$, $y=\!0$, $v=\!3315$

$$\le =35$$
 , h =87 , x =65 , y =0 , v =3045

$$\le =60$$
 , h =31 , x =0 , y =51 , v =1860

$$\mathbf{w}$$
 =66 , h =10 , x =34 , y =87 , v =660

$$w = 91$$
, $h = 2$, $x = 0$, $y = 97$, $v = 182$

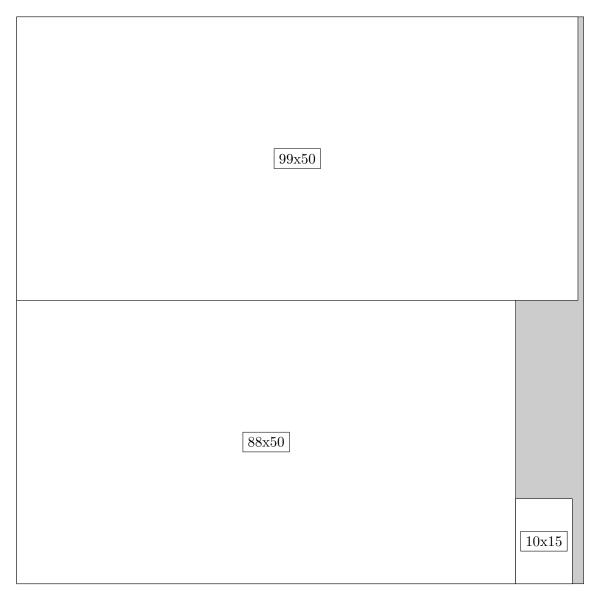


$$w = 41$$
, $h = 80$, $x = 59$, $y = 0$, $v = 3280$

$$\le =54$$
 , h =51 , x =0 , y =0 , v =2754

$$\le =93$$
 , h =20 , x =7 , y =80 , v =1860

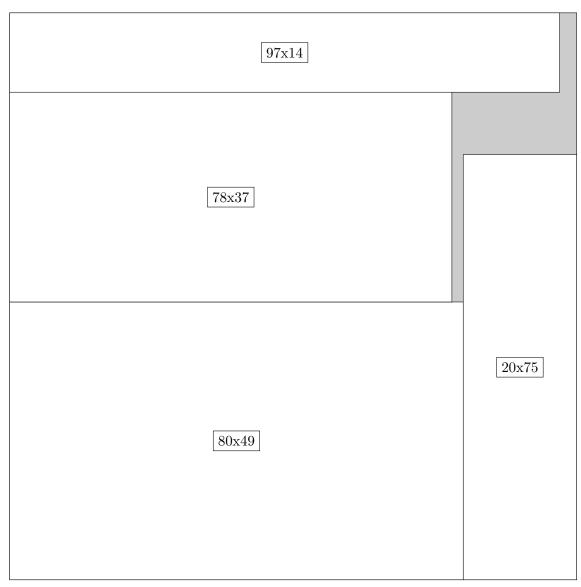
$$\mathbf{w}$$
 =54 , h =26 , x =0 , y =51 , v =1404



$$w$$
 =99 , h =50 , x =0 , y =50 , v =4950

$$\le =88$$
 , h =50 , x =0 , y =0 , v =4400

$$\le =10$$
 , h =15 , x =88 , y =0 , v =150



$$w = \! 80 \; , \; h = \! 49 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3920 \;$$

$$w$$
 =78 , h =37 , x =0 , y =49 , v =2886

$$\le =20$$
 , h =75 , x =80 , y =0 , v =1500

$$\le =97$$
 , h =14 , x =0 , y =86 , v =1358