$ClassName: \ Class_10.2bp-21$

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

TypeNum: <u>59</u> Num: <u>60</u> OutS: <u>120000</u> InS: <u>108960</u> Rate: <u>0.908</u> UB: <u>12</u> LB0: <u>12</u>

LBWithCut: $\underline{\mathbf{12}}$ NodeCut: $\underline{\mathbf{0}}$

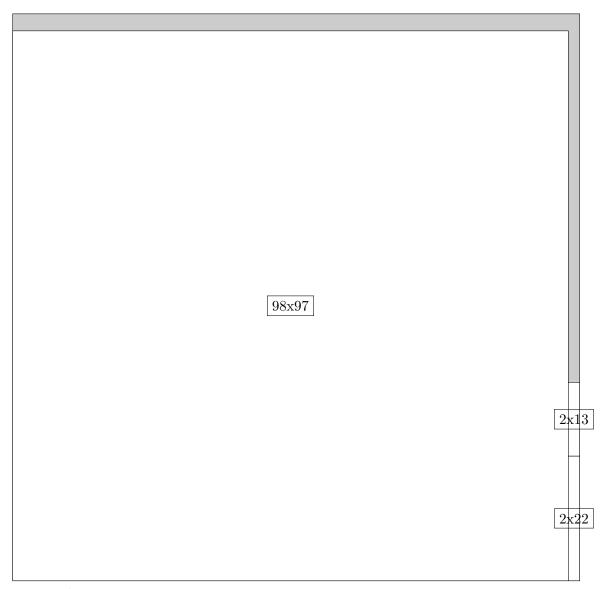
LB: **12**

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

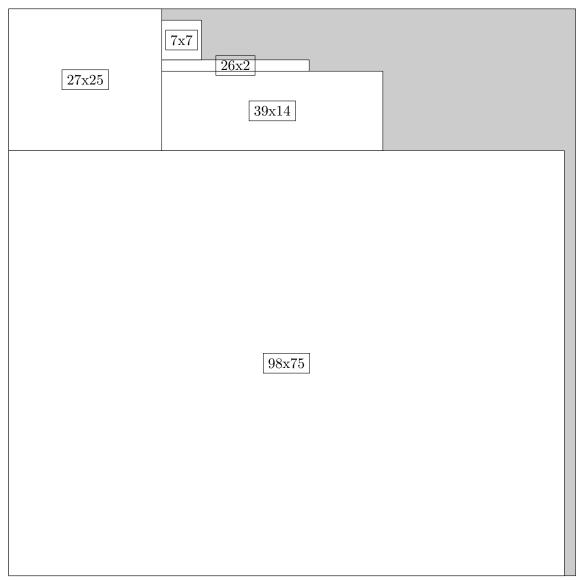
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{12}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{{\rm 1.430~s}} \\ {\rm TimeOnPrimal:} \ \underline{{\rm 0.000~s}} \\ {\rm TimeOnPricing:} \ \underline{{\rm 0.000~s}} \\ {\rm TimeOnRmp:} \ \underline{{\rm 0.078~s}} \\ {\rm TotalTime:} \ \mathbf{1.555~s} \end{array}$



$$\begin{array}{l} w = \! 98 \; , \; h = \! 97 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 9506 \\ w = \! 2 \; , \; h = \! 22 \; , \; x = \! 98 \; , \; y = \! 0 \; , \; v = \! 44 \\ w = \! 2 \; , \; h = \! 13 \; , \; x = \! 98 \; , \; y = \! 22 \; , \; v = \! 26 \end{array}$$



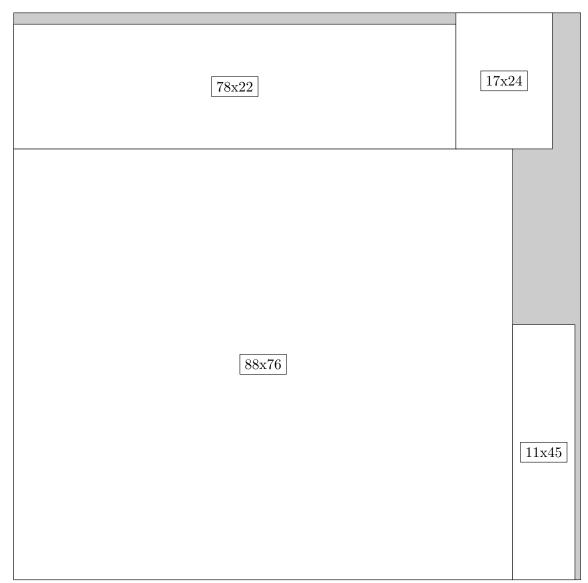
$$\mathbf{w}$$
 =98 , h =75 , x =0 , y =0 , v =7350

$$\le =27$$
 , $h=25$, $x=0$, $y=75$, $v=675$

$$\le =39$$
 , h =14 , x =27 , y =75 , v =546

$$\le =26$$
 , h =2 , x =27 , y =89 , v =52

$$w$$
 =7 , h =7 , x =27 , y =91 , v =49

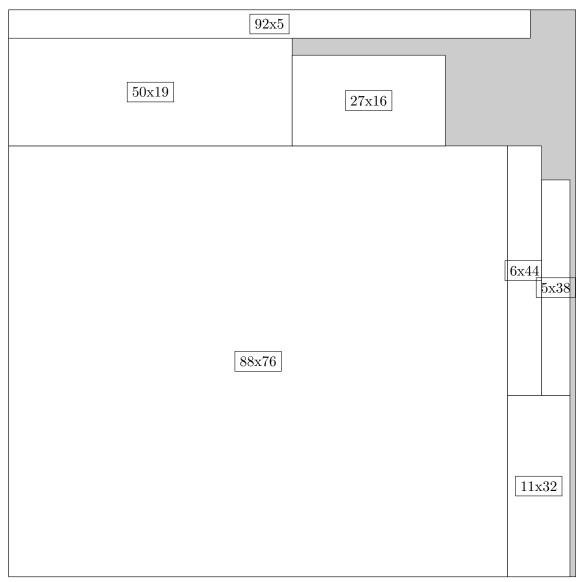


$$\le =88$$
 , h =76 , x =0 , y =0 , v =6688

$$\le -78$$
 , h =22 , x =0 , y =76 , v =1716

$$\le =11$$
 , h =45 , x =88 , y =0 , v =495

$$w=\!17$$
 , $h=\!24$, $x=\!78$, $y=\!76$, $v=\!408$



$$w = 88$$
, $h = 76$, $x = 0$, $y = 0$, $v = 6688$

$$\le =50$$
 , h =19 , x =0 , y =76 , v =950

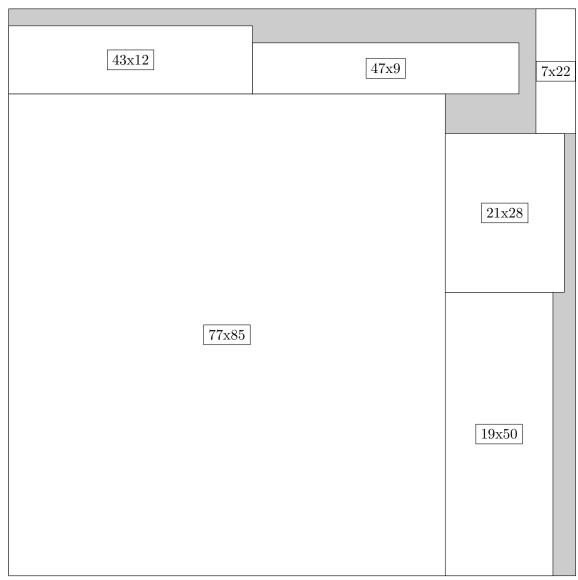
$$\le =92$$
 , h =5 , x =0 , y =95 , v =460

$$\le =27$$
 , h =16 , x =50 , y =76 , v =432

$$w$$
 =11 , h =32 , x =88 , y =0 , v =352

$$\mathbf{w}$$
 =6 , h =44 , x =88 , y =32 , v =264

$$w$$
 =5 , h =38 , x =94 , y =32 , v =190



$$\le =19$$
 , $h=50$, $x=77$, $y=0$, $v=950$

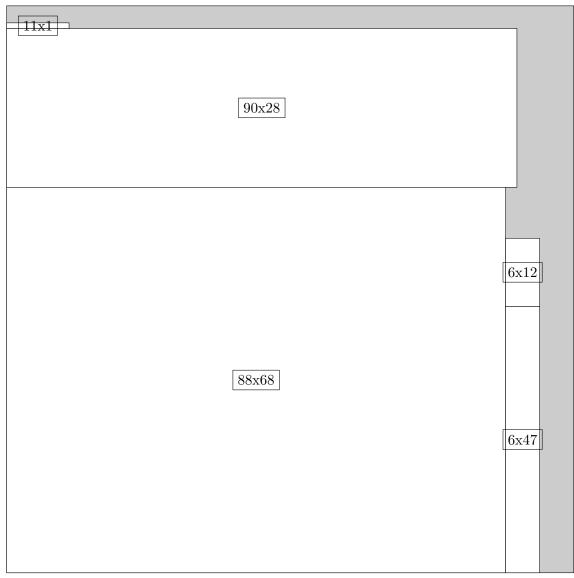
$$\le =77$$
 , h =85 , x =0 , y =0 , v =6545

$$\le =21$$
 , h =28 , x =77 , y =50 , v =588

$$\le =43$$
 , h =12 , x =0 , y =85 , v =516

$$\le =47$$
 , h =9 , x =43 , y =85 , v =423

$$w$$
 =7 , h =22 , x =93 , y =78 , v =154



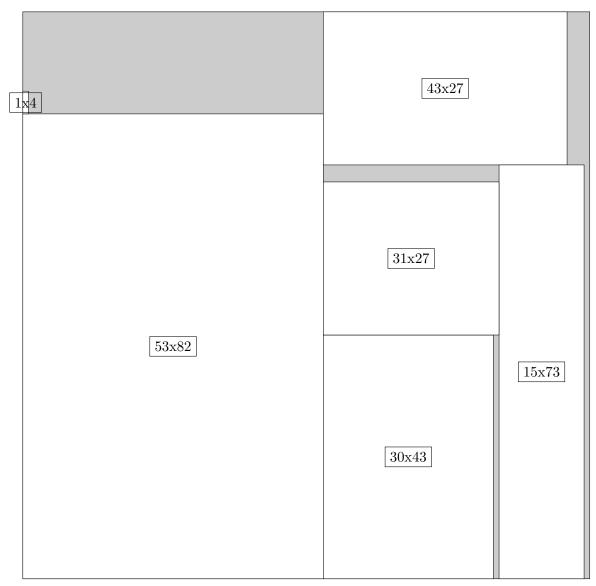
$$\mathbf{w}$$
 =88 , h =68 , x =0 , y =0 , v =5984

$$\le =90$$
 , h =28 , x =0 , y =68 , v =2520

$$\mathbf{w}$$
 =6 , h =47 , x =88 , y =0 , v =282

$$\mathbf{w}$$
 =6 , h =12 , x =88 , y =47 , v =72

$$\mathbf{w}$$
 =11 , h =1 , x =0 , y =96 , v =11



$$w = 53$$
, $h = 82$, $x = 0$, $y = 0$, $v = 4346$

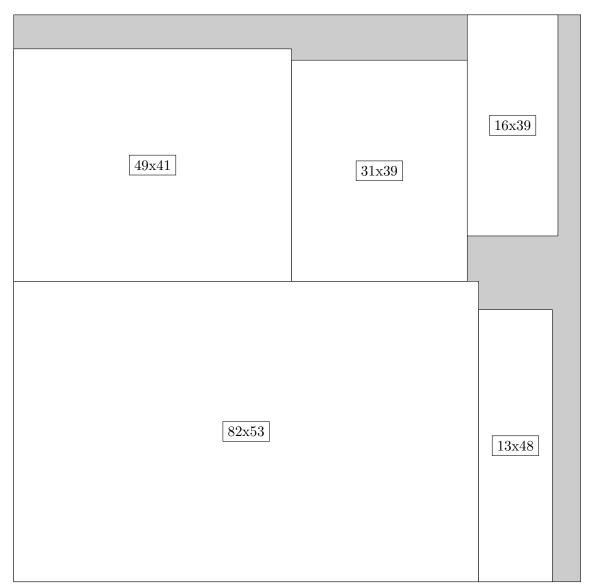
$$\le =30$$
 , h =43 , x =53 , y =0 , v =1290

$$w = 43$$
, $h = 27$, $x = 53$, $y = 73$, $v = 1161$

$$\le =15$$
 , h =73 , x =84 , y =0 , v =1095

$$\le =31$$
 , h =27 , x =53 , y =43 , v =837

$$\mathbf{w}$$
 =1 , h =4 , x =0 , y =82 , v =4



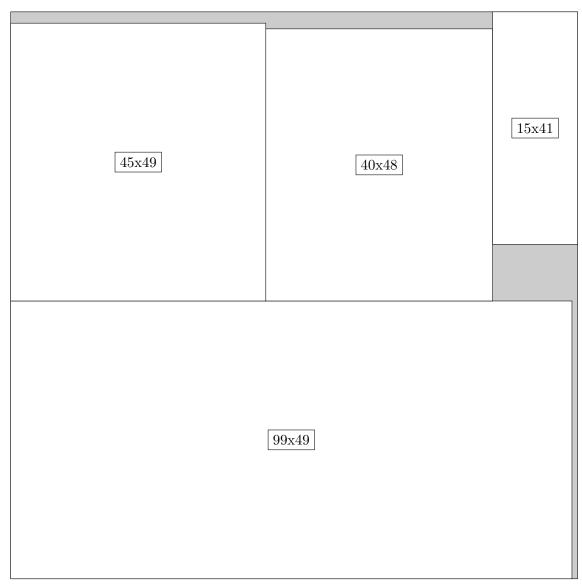
$$w = 82$$
, $h = 53$, $x = 0$, $y = 0$, $v = 4346$

$$\le =31$$
 , h =39 , x =49 , y =53 , v =1209

$$\le =49$$
 , h =41 , x =0 , y =53 , v =2009

$$\le =13$$
 , $h=48$, $x=82$, $y=0$, $v=624$

$$\mathbf{w}$$
 =16 , h =39 , x =80 , y =61 , v =624

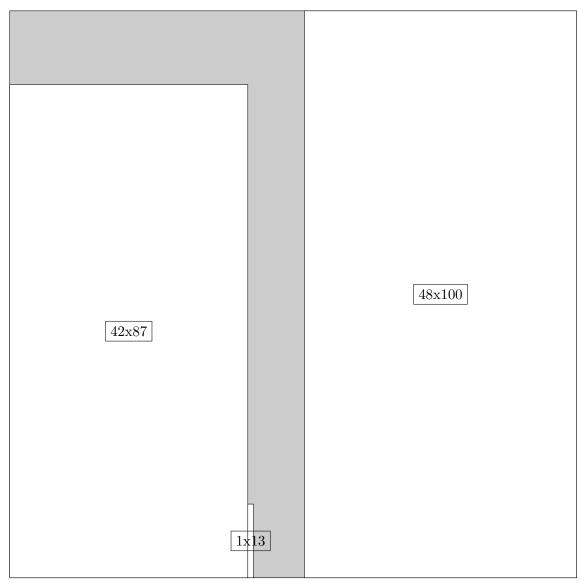


$$\le =99$$
 , h =49 , x =0 , y =0 , v =4851

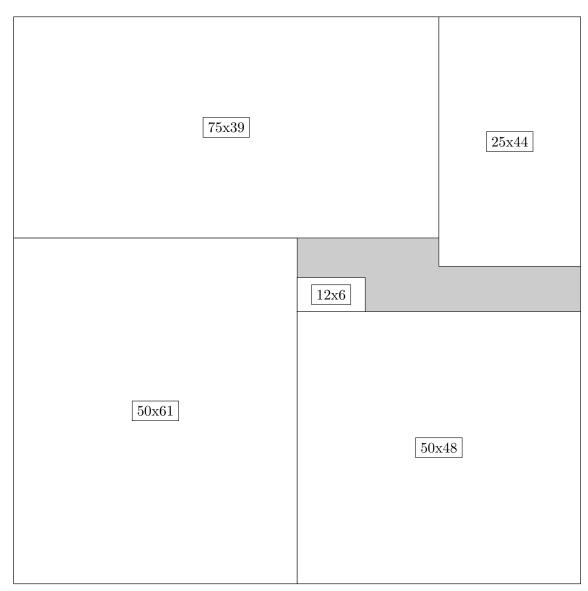
$$\le =45$$
 , h =49 , x =0 , y =49 , v =2205

$$\le =40$$
 , h =48 , x =45 , y =49 , v =1920

$$w$$
 =15 , h =41 , x =85 , y =59 , v =615



 $\begin{array}{l} w = \! 48 \ , \ h = \! 100 \ , \ x = \! 52 \ , \ y = \! 0 \ , \ v = \! 4800 \\ w = \! 42 \ , \ h = \! 87 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3654 \\ w = \! 1 \ , \ h = \! 13 \ , \ x = \! 42 \ , \ y = \! 0 \ , \ v = \! 13 \end{array}$



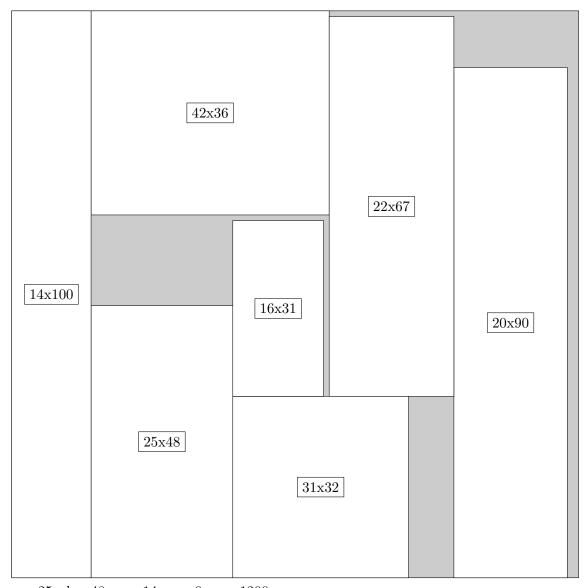
$$\mathbf{w}$$
 =50 , h =61 , x =0 , y =0 , v =3050

$$\le =75$$
 , h =39 , x =0 , y =61 , v =2925

$$w$$
 =50 , h =48 , x =50 , y =0 , v =2400

$$\le =25$$
 , h =44 , x =75 , y =56 , v =1100

$$\le =12$$
 , h =6 , x =50 , y =48 , v =72



$$\le =25$$
 , h =48 , x =14 , y =0 , v =1200

$$w$$
 =20 , h =90 , x =78 , y =0 , v =1800

$$\le =42$$
 , h =36 , x =14 , y =64 , v =1512

$$\le =22$$
 , $h=67$, $x=56$, $y=32$, $v=1474$

$$\mathbf{w}$$
 =14 , h =100 , x =0 , y =0 , v =1400

$$\le =31$$
 , h =32 , x =39 , y =0 , v =992

$$w=\!16$$
 , $h=\!31$, $x=\!39$, $y=\!32$, $v=\!496$