$ClassName: {\bf Class_10.2bp\text{-}31}$

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>110000</u> InS: <u>97806</u> Rate: <u>0.889</u> UB: <u>11</u> LB0: <u>10</u>

LBWithCut: $\underline{\mathbf{11}}$ NodeCut: $\underline{\mathbf{0}}$

LB: **11**

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

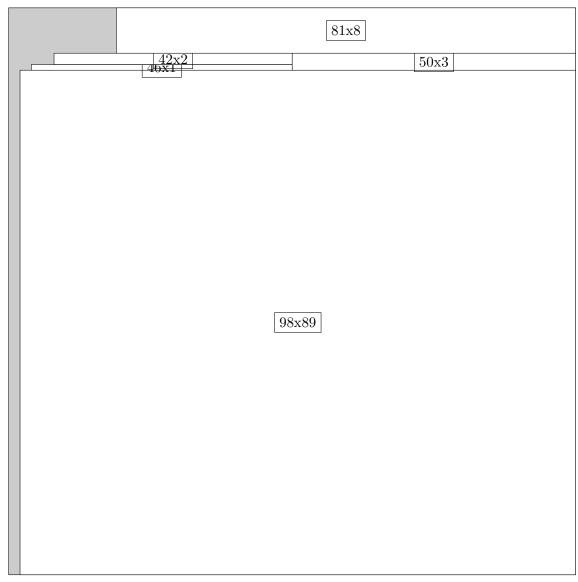
GenNodeCnt: $\underline{1}$ PrimalNode: $\underline{0}$ ColumnCount: $\underline{43}$ TotalCutCount: $\underline{0}$ RootCutCount: $\underline{0}$ LPSolverCnt: $\underline{33}$ PricingSolverCnt: $\underline{33}$ BranchAndBoundNum: $\underline{1}$

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

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

TimeOnPrimal: <u>0.000 s</u>
TimeOnPricing: <u>2999.646 s</u>

 $\begin{array}{l} {\rm TimeOnRmp:}~\underline{0.080~s} \\ {\rm TotalTime:}~3600.007~s \end{array}$



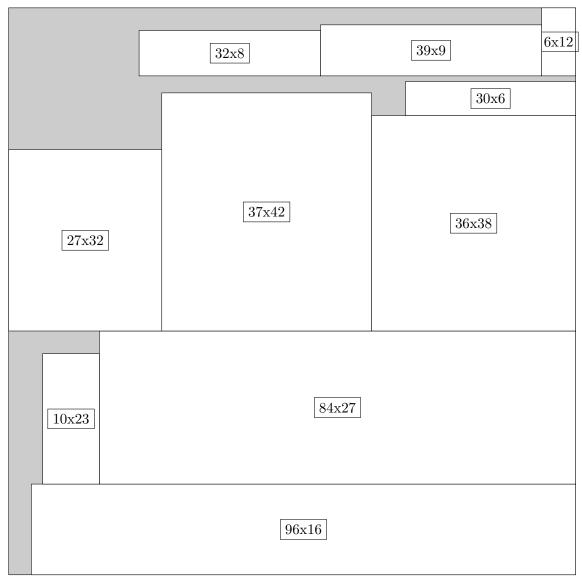
$$w = 98$$
, $h = 89$, $x = 2$, $y = 0$, $v = 8722$

$$\le =50$$
 , h =3 , x =50 , y =89 , v =150

$$\le =46$$
 , $h=1$, $x=4$, $y=89$, $v=46$

$$\mathbf{w}$$
 =42 , h =2 , x =8 , y =90 , v =84

$$\le =81$$
 , $h=8$, $x=19$, $y=92$, $v=648$



$$w = 96$$
, $h = 16$, $x = 4$, $y = 0$, $v = 1536$

$$\le =84$$
 , h =27 , x =16 , y =16 , v =2268

$$\le =10$$
 , h =23 , x =6 , y =16 , v =230

$$\le =36$$
 , h =38 , x =64 , y =43 , v =1368

$$\le =30$$
 , h =6 , x =70 , y =81 , v =180

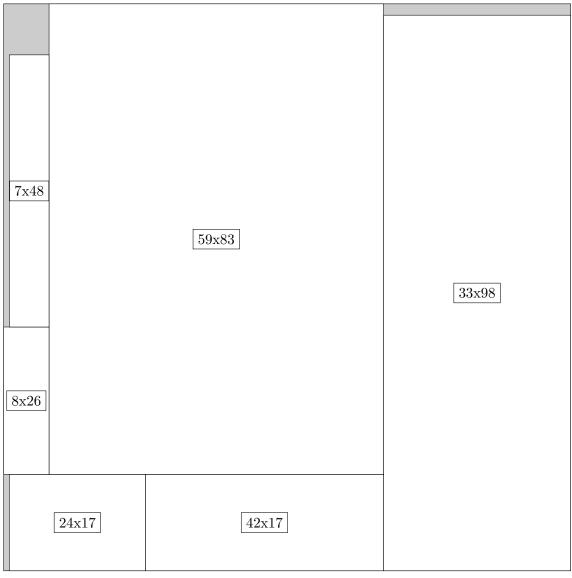
$$\le =37$$
 , h =42 , x =27 , y =43 , v =1554

$$w = 27$$
, $h = 32$, $x = 0$, $y = 43$, $v = 864$

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

$$w = 39$$
, $h = 9$, $x = 55$, $y = 88$, $v = 351$

$$w = 32$$
, $h = 8$, $x = 23$, $y = 88$, $v = 256$



$$w = 33$$
, $h = 98$, $x = 67$, $y = 0$, $v = 3234$

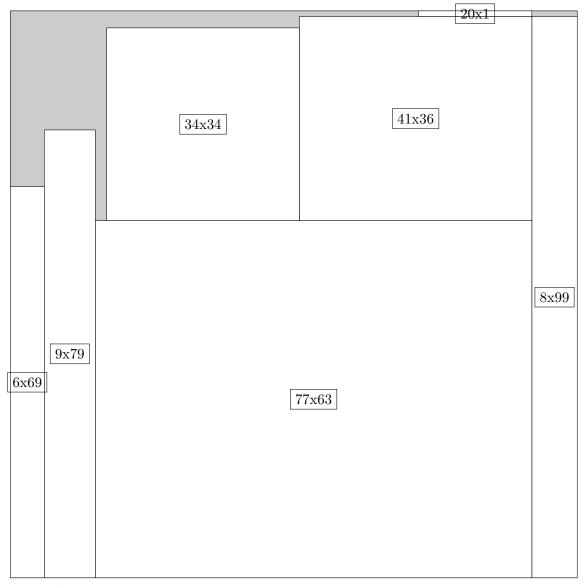
$$\le 42$$
 , h =17 , x =25 , y =0 , v =714

$$\le =24$$
 , h =17 , x =1 , y =0 , v =408

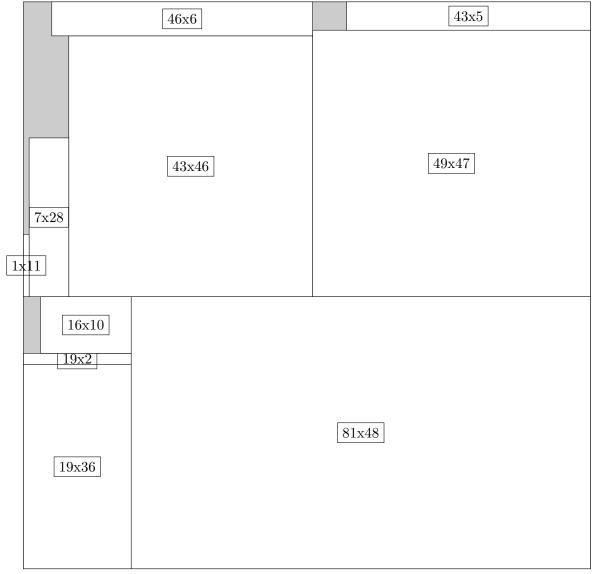
$$\le =59$$
 , h =83 , x =8 , y =17 , v =4897

$$w$$
 =8 , h =26 , x =0 , y =17 , v =208

$$\mathbf{w}$$
 =7 , h =48 , x =1 , y =43 , v =336



$$\begin{array}{l} w=8 \;,\; h=99 \;,\; x=92 \;,\; y=0 \;,\; v=792 \\ w=77 \;,\; h=63 \;,\; x=15 \;,\; y=0 \;,\; v=4851 \\ w=41 \;,\; h=36 \;,\; x=51 \;,\; y=63 \;,\; v=1476 \\ w=20 \;,\; h=1 \;,\; x=72 \;,\; y=99 \;,\; v=20 \\ w=34 \;,\; h=34 \;,\; x=17 \;,\; y=63 \;,\; v=1156 \\ w=9 \;,\; h=79 \;,\; x=6 \;,\; y=0 \;,\; v=711 \\ w=6 \;,\; h=69 \;,\; x=0 \;,\; y=0 \;,\; v=414 \end{array}$$



$$\le =81$$
 , $h=48$, $x=19$, $y=0$, $v=3888$

$$w=\!19$$
 , $h=\!36$, $x=\!0$, $y=\!0$, $v=\!684$

$$w = 19$$
, $h = 2$, $x = 0$, $y = 36$, $v = 38$

$$\mathbf{w}$$
 =16 , h =10 , x =3 , y =38 , v =160

$$w$$
 =49 , h =47 , x =51 , y =48 , v =2303

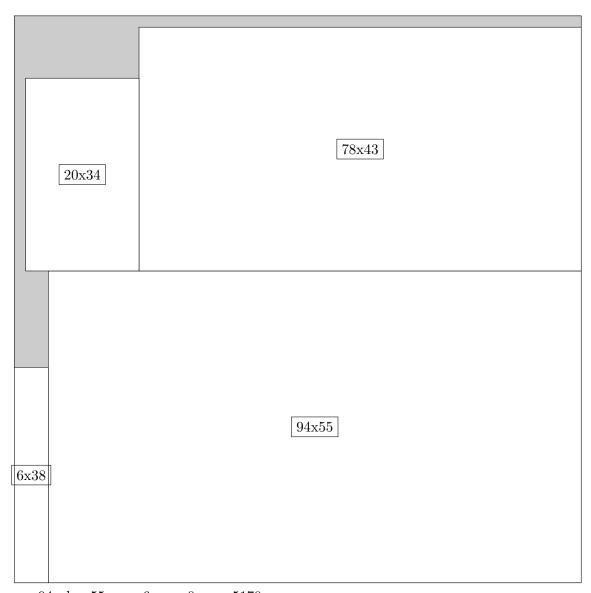
$$w=\!43$$
 , $h=\!5$, $x=\!57$, $y=\!95$, $v=\!215$

$$w = 43$$
, $h = 46$, $x = 8$, $y = 48$, $v = 1978$

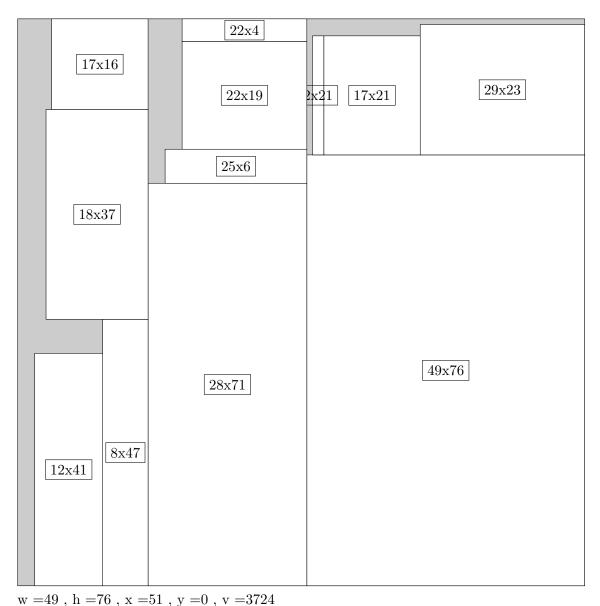
$$\mathbf{w}$$
 =7 , h =28 , x =1 , y =48 , v =196

$$\mathbf{w}$$
 =1 , h =11 , x =0 , y =48 , v =11

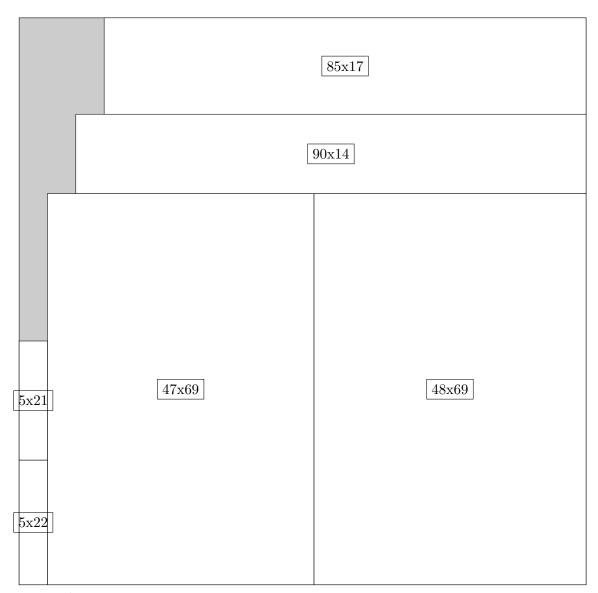
$$\mathbf{w}$$
 =46 , h =6 , x =5 , y =94 , v =276



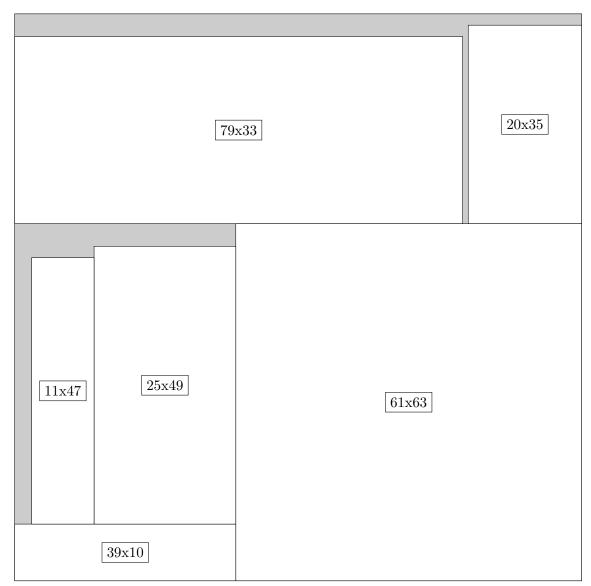
$$\begin{array}{l} w = 94 \ , \ h = \!\! 55 \ , \ x = \!\! 6 \ , \ y = \!\! 0 \ , \ v = \!\! 5170 \\ w = \!\! 6 \ , \ h = \!\! 38 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 228 \\ w = \!\! 78 \ , \ h = \!\! 43 \ , \ x = \!\! 22 \ , \ y = \!\! 55 \ , \ v = \!\! 3354 \\ w = \!\! 20 \ , \ h = \!\! 34 \ , \ x = \!\! 2 \ , \ y = \!\! 55 \ , \ v = \!\! 680 \end{array}$$



w =49, h =70, x =51, y =0, v =5124 w =29, h =23, x =71, y =76, v =667 w =17, h =21, x =54, y =76, v =357 w =2, h =21, x =52, y =76, v =42 w =28, h =71, x =23, y =0, v =1988 w =25, h =6, x =26, y =71, v =150 w =22, h =19, x =29, y =77, v =418 w =22, h =4, x =29, y =96, v =88 w =8, h =47, x =15, y =0, v =376 w =12, h =41, x =3, y =0, v =492 w =18, h =37, x =5, y =47, v =666 w =17, h =16, x =6, y =84, v =272



$$\begin{array}{l} w = 48 \; , \, h = 69 \; , \, x = 52 \; , \, y = 0 \; , \, v = 3312 \\ w = 47 \; , \, h = 69 \; , \, x = 5 \; , \, y = 0 \; , \, v = 3243 \\ w = 5 \; , \, h = 22 \; , \, x = 0 \; , \, y = 0 \; , \, v = 110 \\ w = 5 \; , \, h = 21 \; , \, x = 0 \; , \, y = 22 \; , \, v = 105 \\ w = 90 \; , \, h = 14 \; , \, x = 10 \; , \, y = 69 \; , \, v = 1260 \\ w = 85 \; , \, h = 17 \; , \, x = 15 \; , \, y = 83 \; , \, v = 1445 \end{array}$$



$$w = 61$$
, $h = 63$, $x = 39$, $y = 0$, $v = 3843$

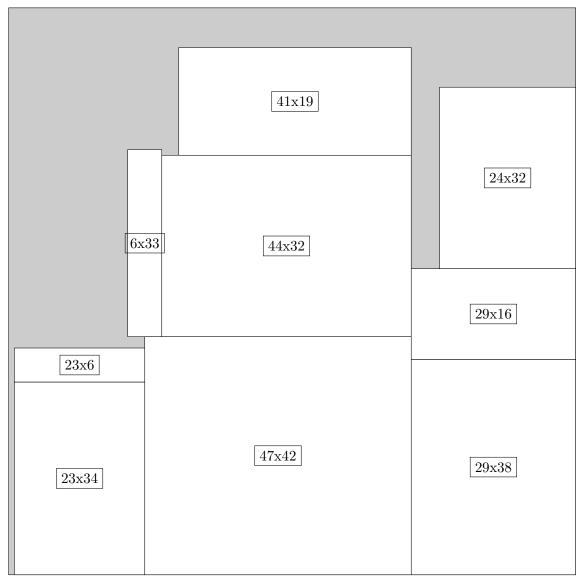
$$\le =39$$
 , $h=10$, $x=0$, $y=0$, $v=390$

$$\le =25$$
 , h =49 , x =14 , y =10 , v =1225

$$w$$
 =11 , h =47 , x =3 , y =10 , v =517

$$w$$
 =20 , h =35 , x =80 , y =63 , v =700

$$w$$
 =79 , h =33 , x =0 , y =63 , v =2607



$$w = 29$$
, $h = 38$, $x = 71$, $y = 0$, $v = 1102$

$$w$$
 =29 , h =16 , x =71 , y =38 , v =464

$$w$$
 =24 , h =32 , x =76 , y =54 , v =768

$$\mathbf{w}$$
 =47 , h =42 , x =24 , y =0 , v =1974

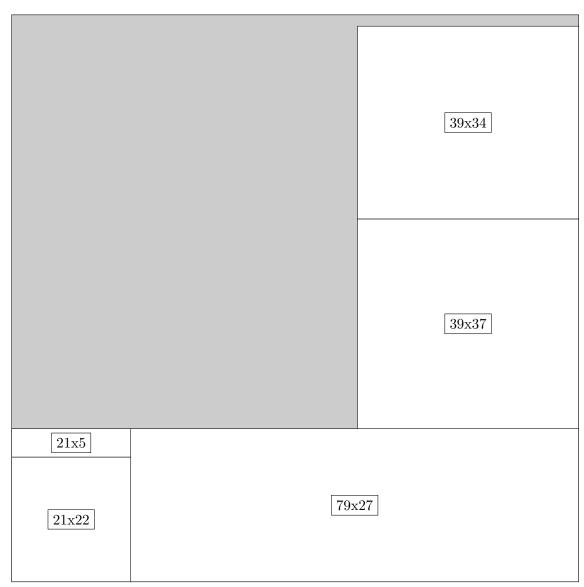
$$\le =23$$
 , $h=34$, $x=1$, $y=0$, $v=782$

$$\le =23$$
 , h =6 , x =1 , y =34 , v =138

$$w = 44$$
, $h = 32$, $x = 27$, $y = 42$, $v = 1408$

$$w = 41$$
, $h = 19$, $x = 30$, $y = 74$, $v = 779$

$$w = 6$$
, $h = 33$, $x = 21$, $y = 42$, $v = 198$



$$w = 79$$
, $h = 27$, $x = 21$, $y = 0$, $v = 2133$

$$\mathbf{w}$$
 =21 , h =22 , x =0 , y =0 , v =462

$$\le =21$$
 , h =5 , x =0 , y =22 , v =105

$$\le =39$$
 , h =37 , x =61 , y =27 , v =1443

$$\le =39$$
 , h =34 , x =61 , y =64 , v =1326