${\bf ClassName:}~{\bf Class_10.2bp\text{-}30}$

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>130000</u> InS: <u>117391</u> Rate: <u>0.903</u> UB: <u>13</u> LB0: <u>12</u>

LBWithCut: $\underline{\bf 13}$ NodeCut: $\underline{\bf 0}$

LB: **13**

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

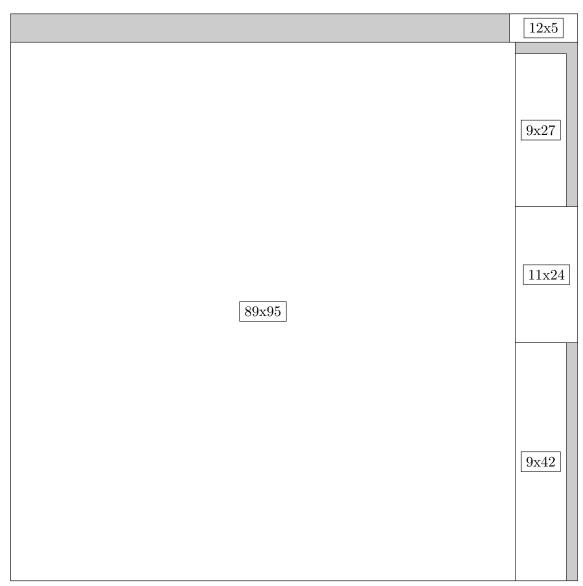
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{77}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{64}}$ PricingSolverCnt: $\underline{\mathbf{64}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: false

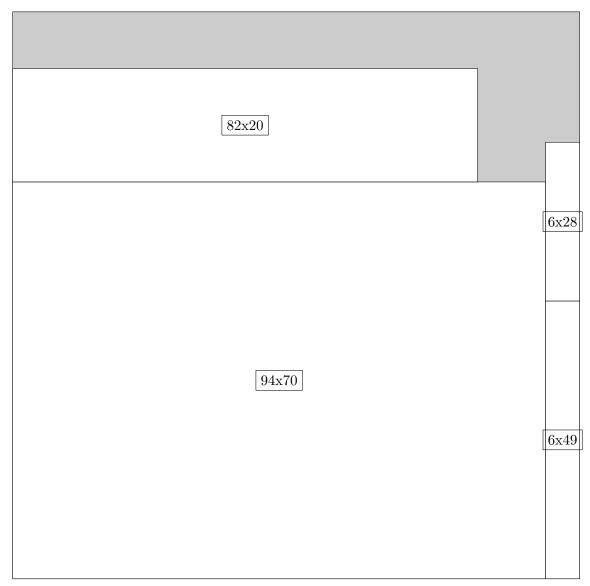
TimeOnInitSolution: $\underline{120.010 \text{ s}}$

TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{3600.164 \text{ s}}$

TimeOnRmp: 0.126 sTotalTime: 3720.362 s



 $\begin{array}{l} w = \! 89 \;,\; h = \! 95 \;,\; x = \! 0 \;,\; y = \! 0 \;,\; v = \! 8455 \\ w = \! 9 \;,\; h = \! 42 \;,\; x = \! 89 \;,\; y = \! 0 \;,\; v = \! 378 \\ w = \! 11 \;,\; h = \! 24 \;,\; x = \! 89 \;,\; y = \! 42 \;,\; v = \! 264 \\ w = \! 9 \;,\; h = \! 27 \;,\; x = \! 89 \;,\; y = \! 66 \;,\; v = \! 243 \\ w = \! 12 \;,\; h = \! 5 \;,\; x = \! 88 \;,\; y = \! 95 \;,\; v = \! 60 \end{array}$

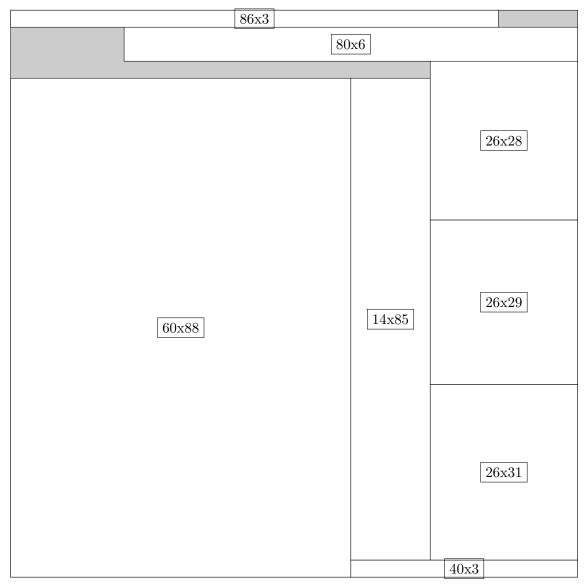


$$\mathbf{w}$$
 =94 , h =70 , x =0 , y =0 , v =6580

$$\le =82$$
 , h =20 , x =0 , y =70 , v =1640

$$\le =6$$
 , h =49 , x =94 , y =0 , v =294

$$\mathbf{w}$$
 =6 , h =28 , x =94 , y =49 , v =168



$$\le =60$$
 , $h=88$, $x=0$, $y=0$, $v=5280$

$$w = 14$$
, $h = 85$, $x = 60$, $y = 3$, $v = 1190$

$$w$$
 =26 , h =31 , x =74 , y =3 , v =806

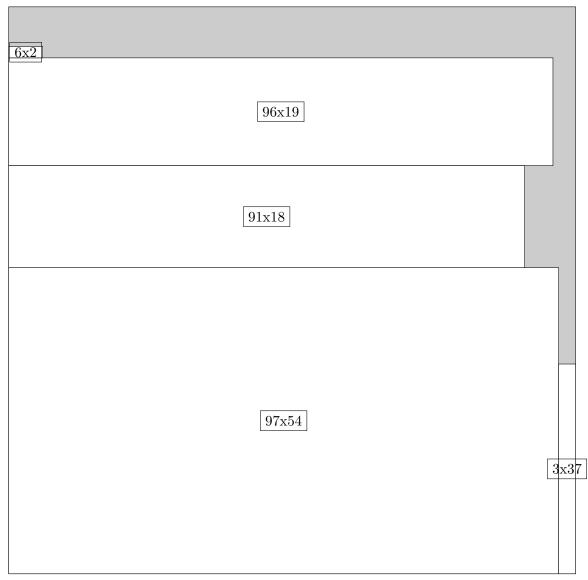
$$w$$
 =26 , h =29 , x =74 , y =34 , v =754

$$\le =26$$
 , $h=28$, $x=74$, $y=63$, $v=728$

$$w$$
 =80 , h =6 , x =20 , y =91 , v =480

$$\le =86$$
 , $h=3$, $x=0$, $y=97$, $v=258$

$$w = 40$$
, $h = 3$, $x = 60$, $y = 0$, $v = 120$



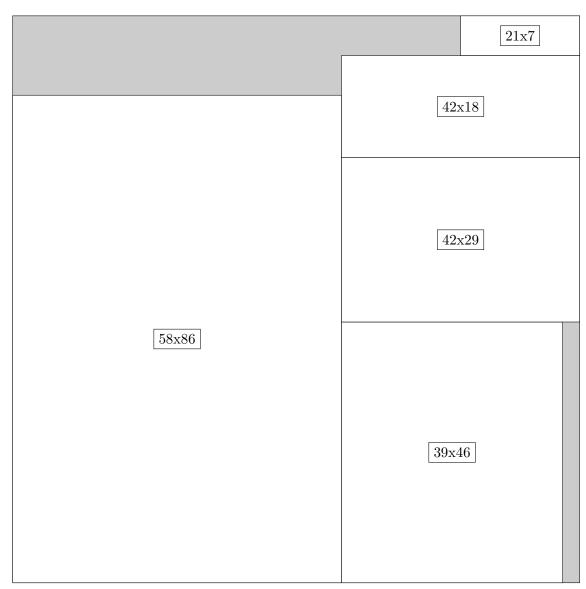
$$w = 97$$
, $h = 54$, $x = 0$, $y = 0$, $v = 5238$

$$\le =96$$
 , $h=19$, $x=0$, $y=72$, $v=1824$

$$\le =91$$
 , h =18 , x =0 , y =54 , v =1638

$$\mathbf{w}$$
 =3 , h =37 , x =97 , y =0 , v =111

$$\mathbf{w}=\!6$$
 , $\mathbf{h}=\!2$, $\mathbf{x}=\!0$, $\mathbf{y}=\!91$, $\mathbf{v}=\!12$



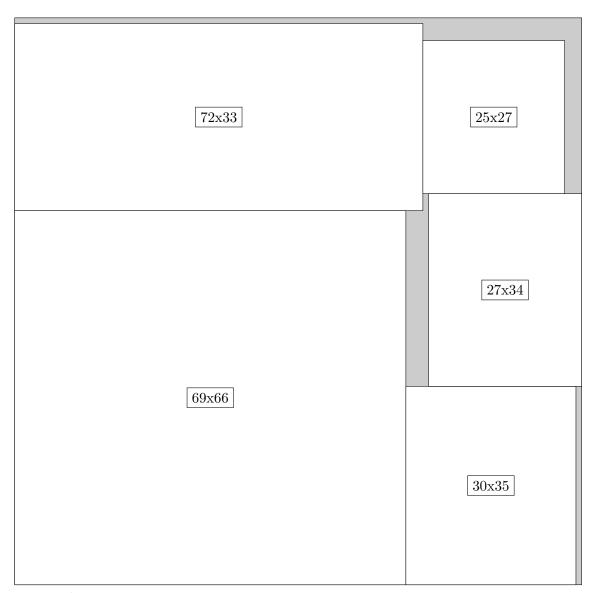
$$w = 39$$
, $h = 46$, $x = 58$, $y = 0$, $v = 1794$

$$\le =58$$
 , h =
86 , x =0 , y =
0 , v =
4988

$$\le =42$$
 , $h=29$, $x=58$, $y=46$, $v=1218$

$$\le =42$$
 , $h=18$, $x=58$, $y=75$, $v=756$

$$w$$
 =21 , h =7 , x =79 , y =93 , v =147



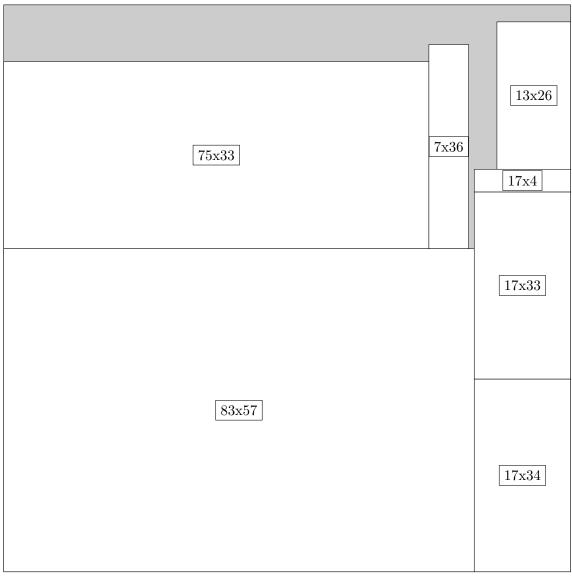
$$\le =69$$
 , h =66 , x =0 , y =0 , v =4554

$$w = 72$$
, $h = 33$, $x = 0$, $y = 66$, $v = 2376$

$$\le 30$$
 , h =
35 , x =
69 , y =
0 , v =
1050

$$w$$
 =27 , h =34 , x =73 , y =35 , v =918

$$\le =25$$
 , h =27 , x =72 , y =69 , v =675



$$w = 83$$
, $h = 57$, $x = 0$, $y = 0$, $v = 4731$

$$w$$
 =75 , h =33 , x =0 , y =57 , v =2475

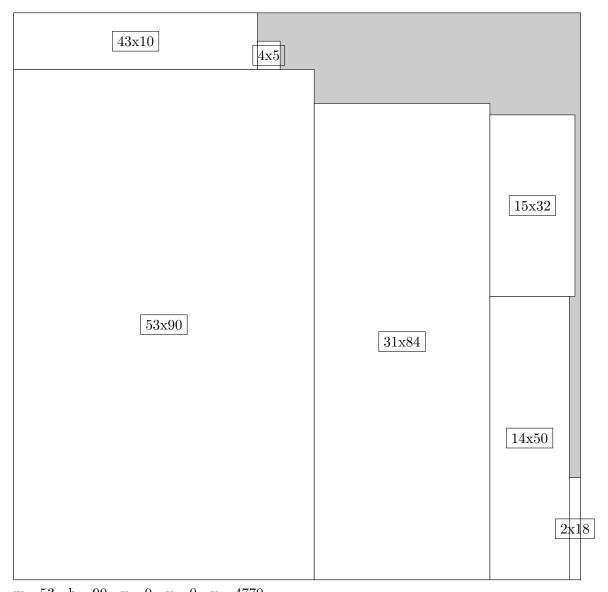
$$w = 17$$
, $h = 34$, $x = 83$, $y = 0$, $v = 578$

$$\le =17$$
 , h =33 , x =83 , y =34 , v =561

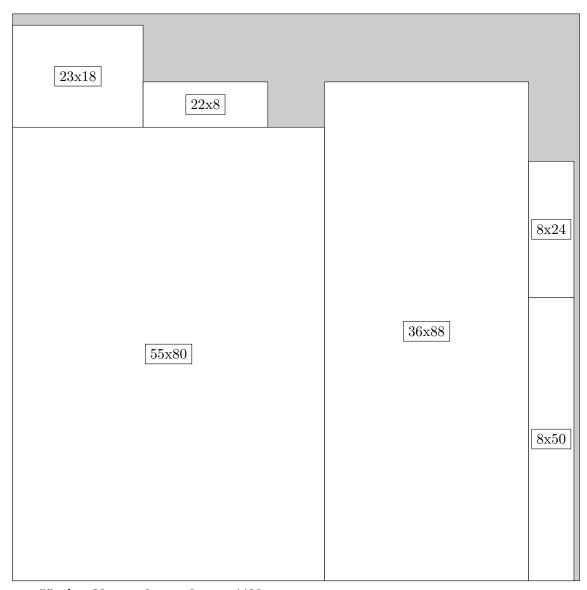
$$\le =13$$
 , $h=26$, $x=87$, $y=71$, $v=338$

$$w$$
 =7 , h =36 , x =75 , y =57 , v =252

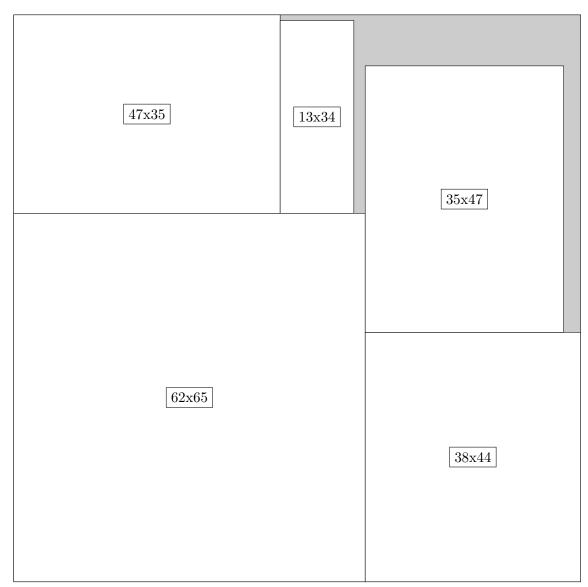
$$\le =17$$
 , h =4 , x =83 , y =67 , v =68



$$\begin{array}{l} w=53 \ , \ h=90 \ , \ x=0 \ , \ y=0 \ , \ v=4770 \\ w=31 \ , \ h=84 \ , \ x=53 \ , \ y=0 \ , \ v=2604 \\ w=14 \ , \ h=50 \ , \ x=84 \ , \ y=0 \ , \ v=700 \\ w=15 \ , \ h=32 \ , \ x=84 \ , \ y=50 \ , \ v=480 \\ w=43 \ , \ h=10 \ , \ x=0 \ , \ y=90 \ , \ v=430 \\ w=2 \ , \ h=18 \ , \ x=98 \ , \ y=0 \ , \ v=36 \\ w=4 \ , \ h=5 \ , \ x=43 \ , \ y=90 \ , \ v=20 \end{array}$$



$$\begin{array}{l} w = \!55 \;,\; h = \!80 \;,\; x = \!0 \;,\; y = \!0 \;,\; v = \!4400 \\ w = \!36 \;,\; h = \!88 \;,\; x = \!55 \;,\; y = \!0 \;,\; v = \!3168 \\ w = \!23 \;,\; h = \!18 \;,\; x = \!0 \;,\; y = \!80 \;,\; v = \!414 \\ w = \!8 \;,\; h = \!50 \;,\; x = \!91 \;,\; y = \!0 \;,\; v = \!400 \\ w = \!8 \;,\; h = \!24 \;,\; x = \!91 \;,\; y = \!50 \;,\; v = \!192 \\ w = \!22 \;,\; h = \!8 \;,\; x = \!23 \;,\; y = \!80 \;,\; v = \!176 \end{array}$$



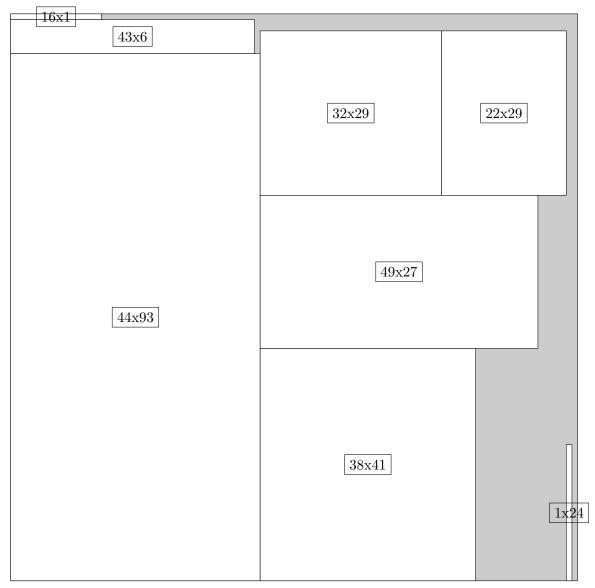
$$\mathbf{w}$$
 =62 , h =65 , x =0 , y =0 , v =4030

$$\le =38$$
 , h =44 , x =62 , y =0 , v =1672

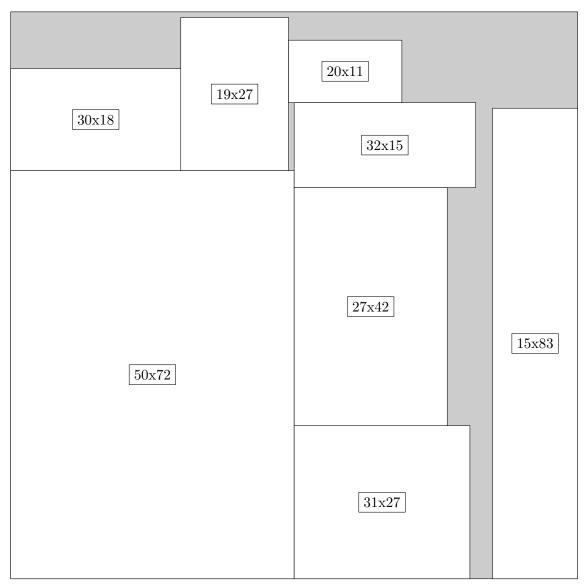
$$\le =47$$
 , h =35 , x =0 , y =65 , v =1645

$$\le =35$$
 , h =47 , x =62 , y =44 , v =1645

$$\le =13$$
 , h =34 , x =47 , y =65 , v =442



$$\begin{array}{l} w = 44 \; , \; h = 93 \; , \; x = 0 \; , \; y = 0 \; , \; v = 4092 \\ w = 38 \; , \; h = 41 \; , \; x = 44 \; , \; y = 0 \; , \; v = 1558 \\ w = 49 \; , \; h = 27 \; , \; x = 44 \; , \; y = 41 \; , \; v = 1323 \\ w = 32 \; , \; h = 29 \; , \; x = 44 \; , \; y = 68 \; , \; v = 928 \\ w = 22 \; , \; h = 29 \; , \; x = 76 \; , \; y = 68 \; , \; v = 638 \\ w = 43 \; , \; h = 6 \; , \; x = 0 \; , \; y = 93 \; , \; v = 258 \\ w = 1 \; , \; h = 24 \; , \; x = 98 \; , \; y = 0 \; , \; v = 24 \\ w = 16 \; , \; h = 1 \; , \; x = 0 \; , \; y = 99 \; , \; v = 16 \end{array}$$



$$w = 50$$
, $h = 72$, $x = 0$, $y = 0$, $v = 3600$

$$w=\!31$$
 , $h=\!27$, $x=\!50$, $y=\!0$, $v=\!837$

$$w=\!27$$
 , $h=\!42$, $x=\!50$, $y=\!27$, $v=\!1134$

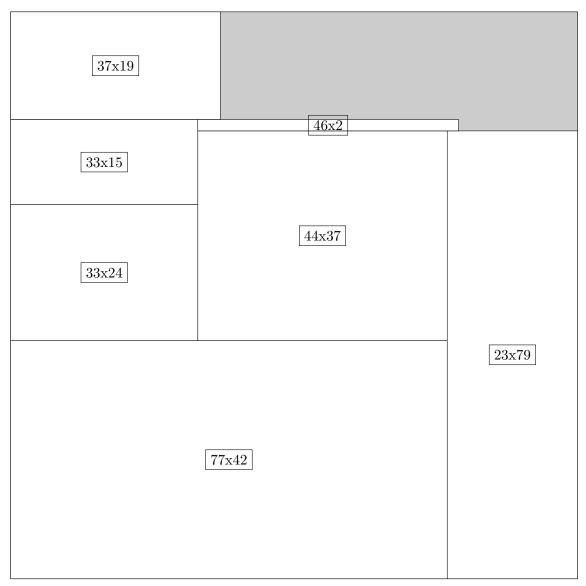
$$w = 15$$
, $h = 83$, $x = 85$, $y = 0$, $v = 1245$

$$\le =30$$
 , $h=18$, $x=0$, $y=72$, $v=540$

$$w=\!19$$
 , $h=\!27$, $x=\!30$, $y=\!72$, $v=\!513$

$$w = 32$$
, $h = 15$, $x = 50$, $y = 69$, $v = 480$

$$\le =20$$
 , h =11 , x =49 , y =84 , v =220



$$w = 77$$
, $h = 42$, $x = 0$, $y = 0$, $v = 3234$

$$w$$
 =23 , h =79 , x =77 , y =0 , v =1817

$$\le =44$$
 , h =37 , x =33 , y =42 , v =1628

$$\le =33$$
 , h =24 , x =0 , y =42 , v =792

$$\le =37$$
 , $h=19$, $x=0$, $y=81$, $v=703$

$$\le =33$$
 , $h=15$, $x=0$, $y=66$, $v=495$

$$\mathbf{w}$$
 =46 , h =2 , x =33 , y =79 , v =92