${\bf ClassName:}\ {\bf Class_10.2bp\text{-}23}$

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>80000</u> InS: <u>69409</u> Rate: <u>0.868</u>

UB: <u>8</u> LB0: <u>7</u> LB: 8

LBWithCut: $\underline{\mathbf{8}}$ NodeCut: $\underline{\mathbf{0}}$

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

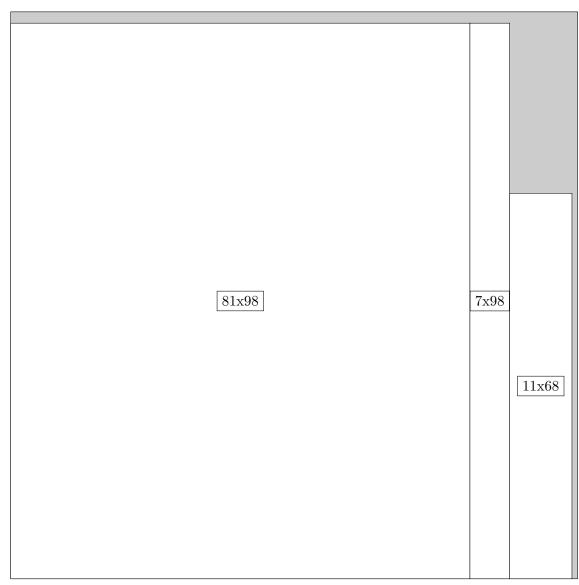
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{61}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{53}}$ PricingSolverCnt: $\underline{\mathbf{53}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

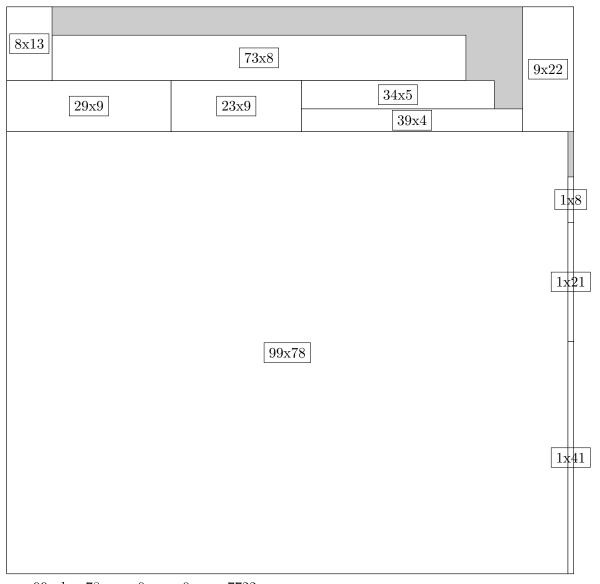
TimeOnInitSolution: $\underline{120.010 \text{ s}}$

TimeOnPrimal: 0.000 sTimeOnPricing: 3601.962 s

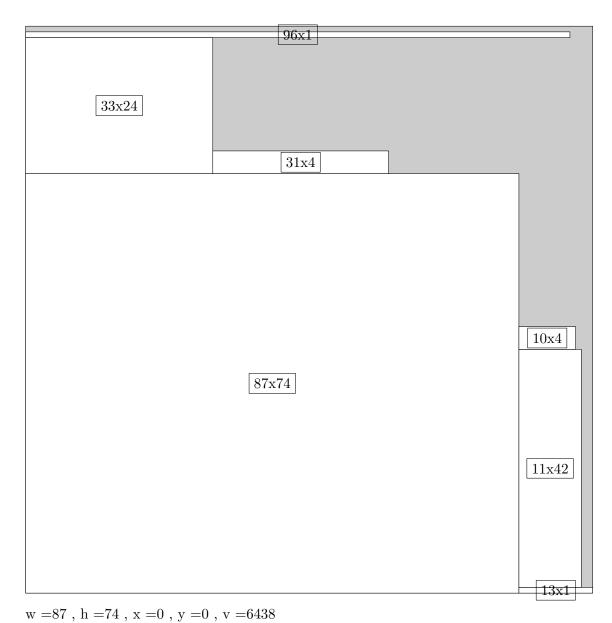
 $\begin{array}{l} {\rm TimeOnRmp:}~\underline{0.094~s} \\ {\rm TotalTime:}~3722.128~s \end{array}$



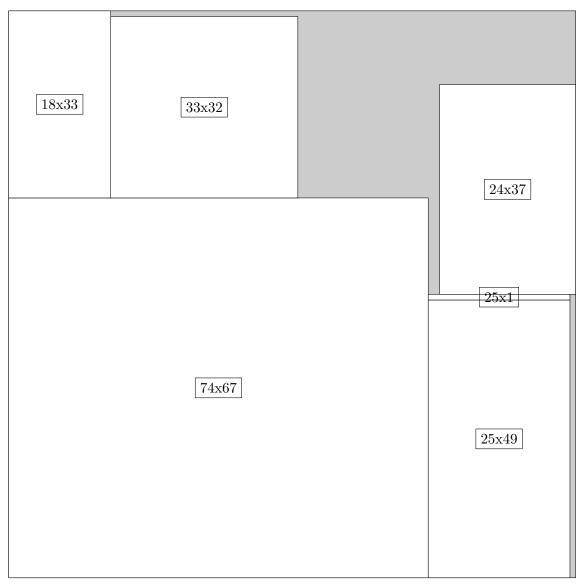
 $\begin{array}{l} w = \! 81 \; , \; h = \! 98 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 7938 \\ w = \! 11 \; , \; h = \! 68 \; , \; x = \! 88 \; , \; y = \! 0 \; , \; v = \! 748 \\ w = \! 7 \; , \; h = \! 98 \; , \; x = \! 81 \; , \; y = \! 0 \; , \; v = \! 686 \end{array}$



```
\begin{array}{l} w=99\;,\; h=78\;,\; x=0\;,\; y=0\;,\; v=7722\\ w=29\;,\; h=9\;,\; x=0\;,\; y=78\;,\; v=261\\ w=73\;,\; h=8\;,\; x=8\;,\; y=87\;,\; v=584\\ w=23\;,\; h=9\;,\; x=29\;,\; y=78\;,\; v=207\\ w=9\;,\; h=22\;,\; x=91\;,\; y=78\;,\; v=198\\ w=34\;,\; h=5\;,\; x=52\;,\; y=82\;,\; v=170\\ w=39\;,\; h=4\;,\; x=52\;,\; y=78\;,\; v=156\\ w=8\;,\; h=13\;,\; x=0\;,\; y=87\;,\; v=104\\ w=1\;,\; h=41\;,\; x=99\;,\; y=61\;,\; v=21\\ w=1\;,\; h=8\;,\; x=99\;,\; y=62\;,\; v=8\\ \end{array}
```



$$\le =13$$
 , h =1 , x =87 , y =0 , v =13



$$\mathbf{w}$$
 =74 , h =67 , x =0 , y =0 , v =4958

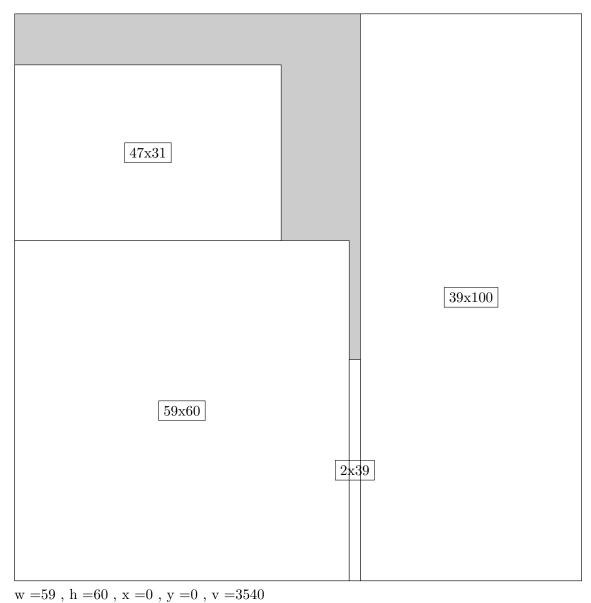
$$w$$
 =25 , h =49 , x =74 , y =0 , v =1225

$$\le =33$$
 , h =32 , x =18 , y =67 , v =1056

$$\le =24$$
 , h =37 , x =76 , y =50 , v =888

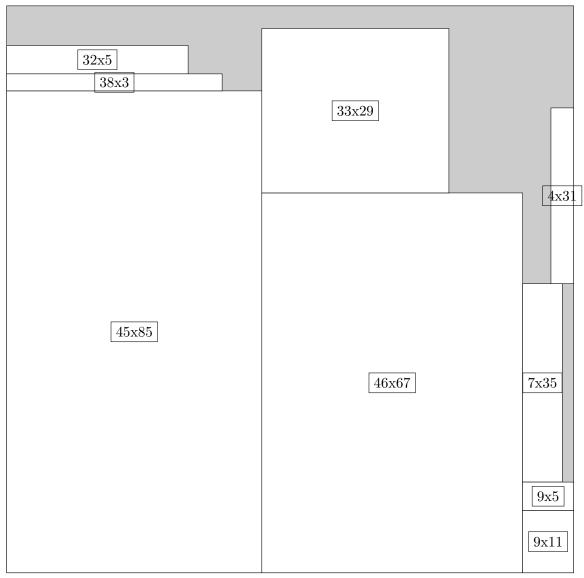
$$\le =18$$
 , $h=33$, $x=0$, $y=67$, $v=594$

$$w$$
 =25 , h =1 , x =74 , y =49 , v =25



$$\le =39$$
 , h =100 , x =61 , y =0 , v =3900

$$\mathbf{w}$$
 =2 , h =39 , x =59 , y =0 , v =78





$$\le =93$$
 , h =21 , x =0 , y =0 , v =1953

$$\le =40$$
 , h =48 , x =0 , y =21 , v =1920

$$\le =38$$
 , h =43 , x =40 , y =21 , v =1634

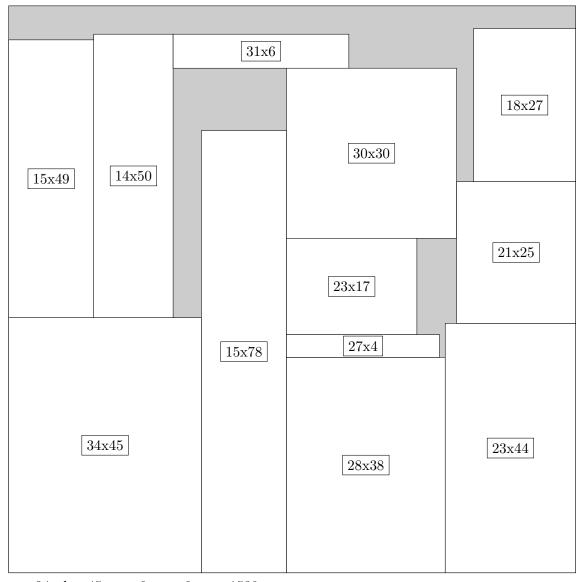
$$\le =32$$
 , h =16 , x =48 , y =64 , v =512

$$w=\!14$$
 , $h=\!36$, $x=\!80$, $y=\!47$, $v=\!504$

$$\mathbf{w}$$
 =6 , h =82 , x =94 , y =0 , v =492

$$\le =16$$
 , h =16 , x =78 , y =21 , v =256

$$\le =15$$
 , $h=10$, $x=78$, $y=37$, $v=150$



$$\begin{array}{l} w = 34 \;,\; h = 45 \;,\; x = 0 \;,\; y = 0 \;,\; v = 1530 \\ w = 15 \;,\; h = 78 \;,\; x = 34 \;,\; y = 0 \;,\; v = 1170 \\ w = 28 \;,\; h = 38 \;,\; x = 49 \;,\; y = 0 \;,\; v = 1064 \\ w = 23 \;,\; h = 44 \;,\; x = 77 \;,\; y = 0 \;,\; v = 1012 \\ w = 30 \;,\; h = 30 \;,\; x = 49 \;,\; y = 59 \;,\; v = 900 \\ w = 15 \;,\; h = 49 \;,\; x = 0 \;,\; y = 45 \;,\; v = 735 \\ w = 14 \;,\; h = 50 \;,\; x = 15 \;,\; y = 45 \;,\; v = 700 \\ w = 21 \;,\; h = 25 \;,\; x = 79 \;,\; y = 44 \;,\; v = 525 \\ w = 18 \;,\; h = 27 \;,\; x = 82 \;,\; y = 69 \;,\; v = 486 \\ w = 23 \;,\; h = 17 \;,\; x = 49 \;,\; y = 42 \;,\; v = 391 \\ w = 31 \;,\; h = 6 \;,\; x = 29 \;,\; y = 89 \;,\; v = 186 \\ w = 27 \;,\; h = 4 \;,\; x = 49 \;,\; y = 38 \;,\; v = 108 \end{array}$$