${\bf ClassName:}~{\bf Class\_10.2bp\text{-}23}$ 

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

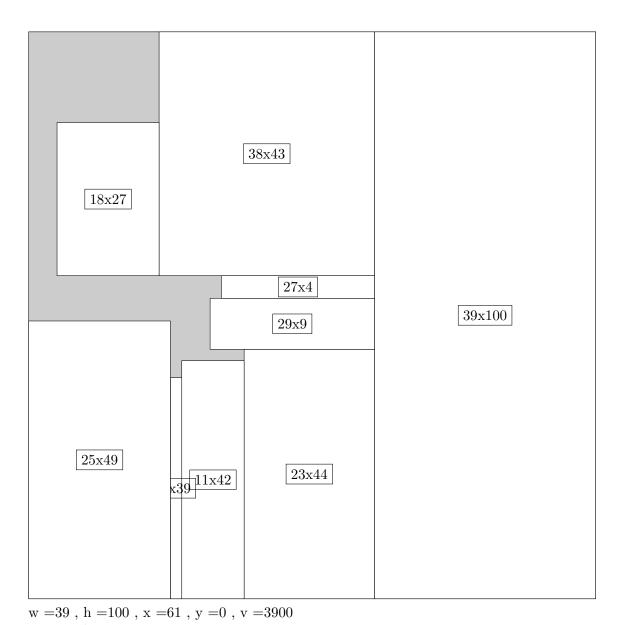
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{48}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{41}}$ PricingSolverCnt:  $\underline{\mathbf{41}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

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

TimeOnPrimal:  $\underline{0.000 \text{ s}}$ TimeOnPricing:  $\underline{2999.669 \text{ s}}$ 

 $\begin{array}{l} {\rm TimeOnRmp:}~\underline{0.093~s} \\ {\rm TotalTime:}~3600.012~s \end{array}$ 

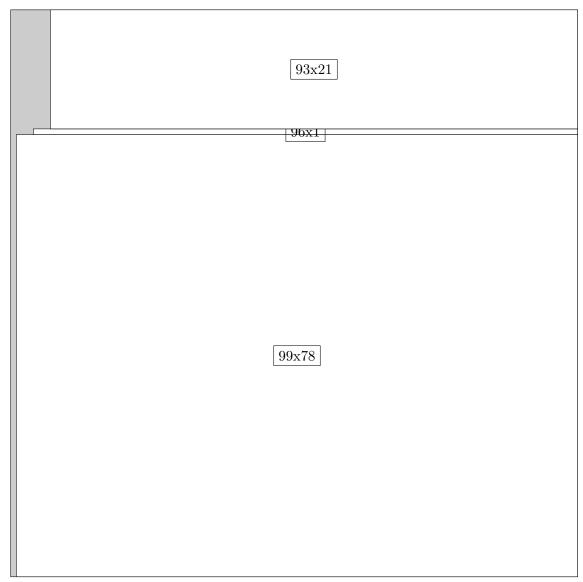


$$\begin{array}{l} w = 23 \; , \; h = 44 \; , \; x = 38 \; , \; y = 0 \; , \; v = 1012 \\ w = 11 \; , \; h = 42 \; , \; x = 27 \; , \; y = 0 \; , \; v = 462 \\ w = 2 \; , \; h = 39 \; , \; x = 25 \; , \; y = 0 \; , \; v = 78 \\ w = 29 \; , \; h = 9 \; , \; x = 32 \; , \; y = 44 \; , \; v = 261 \\ w = 27 \; , \; h = 4 \; , \; x = 34 \; , \; y = 53 \; , \; v = 108 \end{array}$$

$$w = 25$$
,  $h = 49$ ,  $x = 0$ ,  $y = 0$ ,  $v = 1225$   
 $w = 38$ ,  $h = 43$ ,  $x = 23$ ,  $y = 57$ ,  $v = 1634$ 

$$w = 38$$
,  $h = 43$ ,  $x = 23$ ,  $y = 57$ ,  $v = 1634$ 

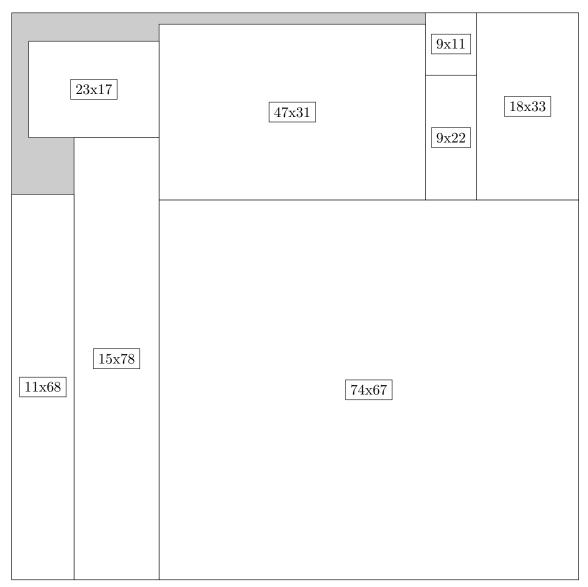
$$\le =18$$
 ,  $h$  =27 ,  $x$  =5 ,  $y$  =57 ,  $v$  =486



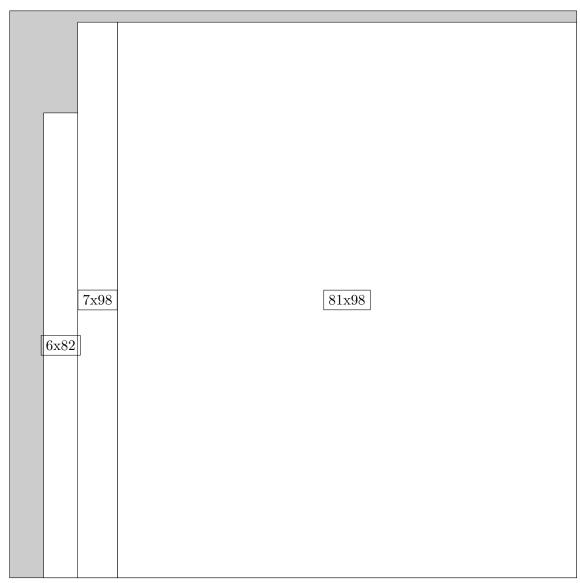
$$\le =99$$
 , h =78 , x =1 , y =0 , v =7722

$$\mathbf{w}$$
 =96 , h =1 , x =4 , y =78 , v =96

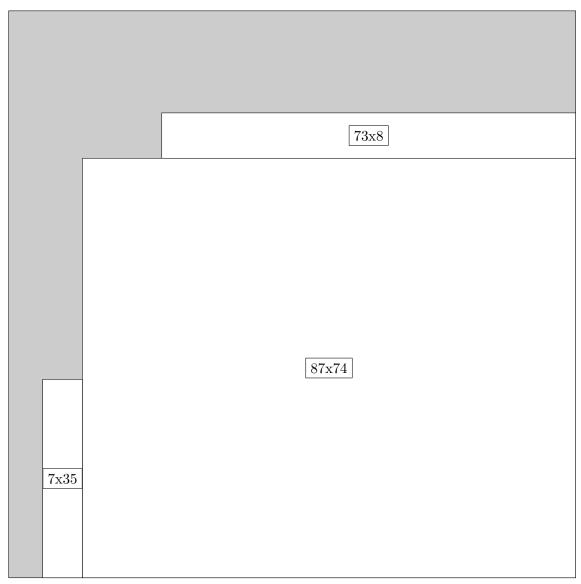
$$\le =93$$
 , h =21 , x =7 , y =79 , v =1953



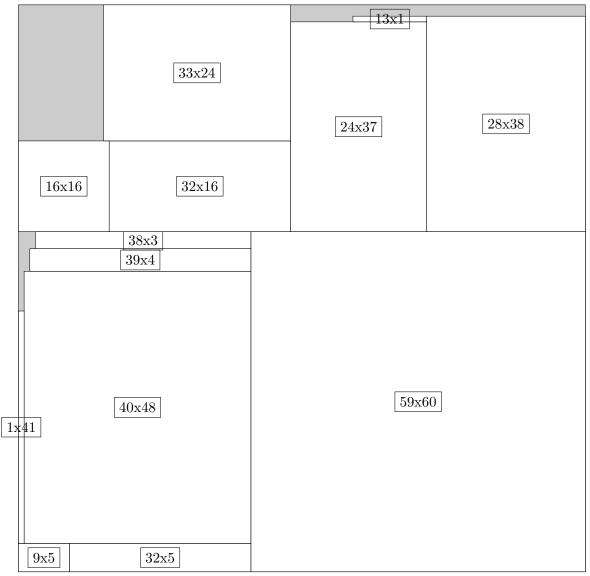
$$\begin{array}{l} w = 74 \; , \; h = 67 \; , \; x = 26 \; , \; y = 0 \; , \; v = 4958 \\ w = 18 \; , \; h = 33 \; , \; x = 82 \; , \; y = 67 \; , \; v = 594 \\ w = 9 \; , \; h = 22 \; , \; x = 73 \; , \; y = 67 \; , \; v = 198 \\ w = 9 \; , \; h = 11 \; , \; x = 73 \; , \; y = 89 \; , \; v = 99 \\ w = 47 \; , \; h = 31 \; , \; x = 26 \; , \; y = 67 \; , \; v = 1457 \\ w = 15 \; , \; h = 78 \; , \; x = 11 \; , \; y = 0 \; , \; v = 1170 \\ w = 11 \; , \; h = 68 \; , \; x = 0 \; , \; y = 0 \; , \; v = 748 \\ w = 23 \; , \; h = 17 \; , \; x = 3 \; , \; y = 78 \; , \; v = 391 \end{array}$$



 $\begin{array}{l} w = \! 81 \; , \; h = \! 98 \; , \; x = \! 19 \; , \; y = \! 0 \; , \; v = \! 7938 \\ w = \! 7 \; , \; h = \! 98 \; , \; x = \! 12 \; , \; y = \! 0 \; , \; v = \! 686 \\ w = \! 6 \; , \; h = \! 82 \; , \; x = \! 6 \; , \; y = \! 0 \; , \; v = \! 492 \end{array}$ 



$$\begin{array}{l} w = \!\!87 \ , \ h = \!\!74 \ , \ x = \!\!13 \ , \ y = \!\!0 \ , \ v = \!\!6438 \\ w = \!\!7 \ , \ h = \!\!35 \ , \ x = \!\!6 \ , \ y = \!\!0 \ , \ v = \!\!245 \\ w = \!\!73 \ , \ h = \!\!8 \ , \ x = \!\!27 \ , \ y = \!\!74 \ , \ v = \!\!584 \end{array}$$



$$w = 59$$
,  $h = 60$ ,  $x = 41$ ,  $y = 0$ ,  $v = 3540$ 

$$w = 32$$
,  $h = 5$ ,  $x = 9$ ,  $y = 0$ ,  $v = 160$ 

$$w = 9$$
,  $h = 5$ ,  $x = 0$ ,  $y = 0$ ,  $v = 45$ 

$$\mathbf{w}$$
 =40 , h =48 , x =1 , y =5 , v =1920

$$\mathbf{w}$$
 =1 , h =41 , x =0 , y =5 , v =41

$$\le =39$$
 , h =4 , x =2 , y =53 , v =156

$$w = 38$$
,  $h = 3$ ,  $x = 3$ ,  $y = 57$ ,  $v = 114$ 

$$w = 28$$
,  $h = 38$ ,  $x = 72$ ,  $y = 60$ ,  $v = 1064$ 

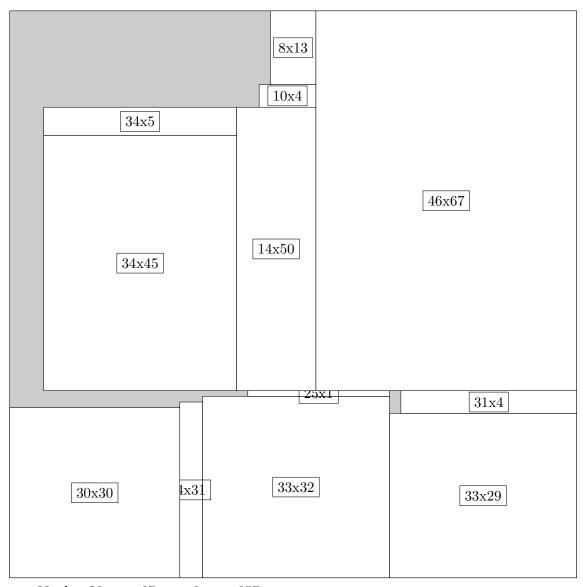
$$w = 24$$
,  $h = 37$ ,  $x = 48$ ,  $y = 60$ ,  $v = 888$ 

$$w = 13$$
,  $h = 1$ ,  $x = 59$ ,  $y = 97$ ,  $v = 13$ 

$$\le =32$$
 ,  $h$  =16 ,  $x$  =16 ,  $y$  =60 ,  $v$  =512

$$w = 16$$
,  $h = 16$ ,  $x = 0$ ,  $y = 60$ ,  $v = 256$ 

$$w=\!33$$
 ,  $h=\!24$  ,  $x=\!15$  ,  $y=\!76$  ,  $v=\!792$ 



$$w = 33$$
,  $h = 29$ ,  $x = 67$ ,  $y = 0$ ,  $v = 957$ 

$$w = 31$$
,  $h = 4$ ,  $x = 69$ ,  $y = 29$ ,  $v = 124$ 

$$w = 33$$
,  $h = 32$ ,  $x = 34$ ,  $y = 0$ ,  $v = 1056$ 

$$w = 25$$
,  $h = 1$ ,  $x = 42$ ,  $y = 32$ ,  $v = 25$   
 $w = 4$ ,  $h = 31$ ,  $x = 30$ ,  $y = 0$ ,  $v = 124$ 

$$w = 30$$
,  $h = 30$ ,  $x = 0$ ,  $y = 0$ ,  $v = 900$ 

$$w = 46$$
,  $h = 67$ ,  $x = 54$ ,  $y = 33$ ,  $v = 3082$ 

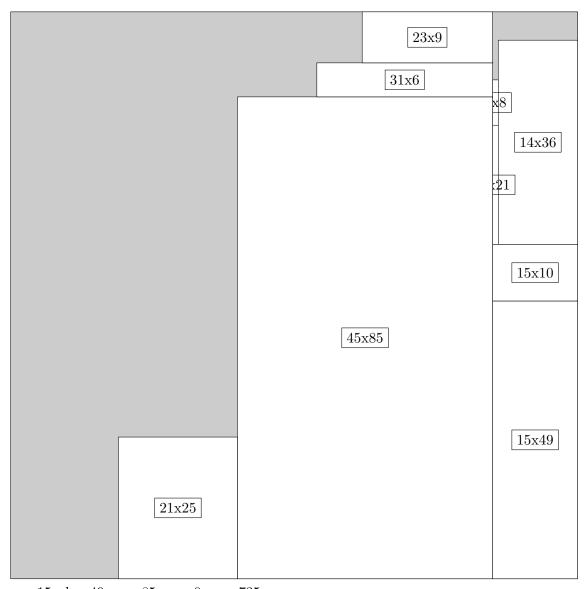
$$\le =14$$
 ,  $h=50$  ,  $x=40$  ,  $y=33$  ,  $v=700$ 

$$\le =10$$
 , h =4 , x =44 , y =83 , v =40

$$w = 8$$
,  $h = 13$ ,  $x = 46$ ,  $y = 87$ ,  $v = 104$ 

$$\le =34$$
 , h =45 , x =6 , y =33 , v =1530

$$w = 34$$
,  $h = 5$ ,  $x = 6$ ,  $y = 78$ ,  $v = 170$ 



$$\begin{array}{c} w = \! 15 \; , \, h = \! 49 \; , \, x = \! 85 \; , \, y = \! 0 \; , \, v = \! 735 \\ w = \! 15 \; , \, h = \! 10 \; , \, x = \! 85 \; , \, y = \! 49 \; , \, v = \! 150 \\ w = \! 14 \; , \, h = \! 36 \; , \, x = \! 86 \; , \, y = \! 59 \; , \, v = \! 504 \\ w = \! 1 \; , \, h = \! 21 \; , \, x = \! 85 \; , \, y = \! 59 \; , \, v = \! 21 \\ w = \! 1 \; , \, h = \! 8 \; , \, x = \! 85 \; , \, y = \! 80 \; , \, v = \! 8 \\ w = \! 45 \; , \, h = \! 85 \; , \, x = \! 40 \; , \, y = \! 0 \; , \, v = \! 3825 \\ w = \! 31 \; , \, h = \! 6 \; , \, x = \! 54 \; , \, y = \! 85 \; , \, v = \! 186 \\ w = \! 23 \; , \, h = \! 9 \; , \, x = \! 62 \; , \, y = \! 91 \; , \, v = \! 207 \\ w = \! 21 \; , \, h = \! 25 \; , \, x = \! 19 \; , \, y = \! 0 \; , \, v = \! 525 \end{array}$$