$ClassName: \ Class_07.2bp-23$

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>150000</u> InS: <u>128151</u> Rate: <u>0.854</u> UB: <u>15</u> LB0: <u>15</u>

 $\begin{array}{c} -\overline{\textbf{LBWithCut: } \mathbf{15}} \\ \text{NodeCut: } \mathbf{0} \end{array}$

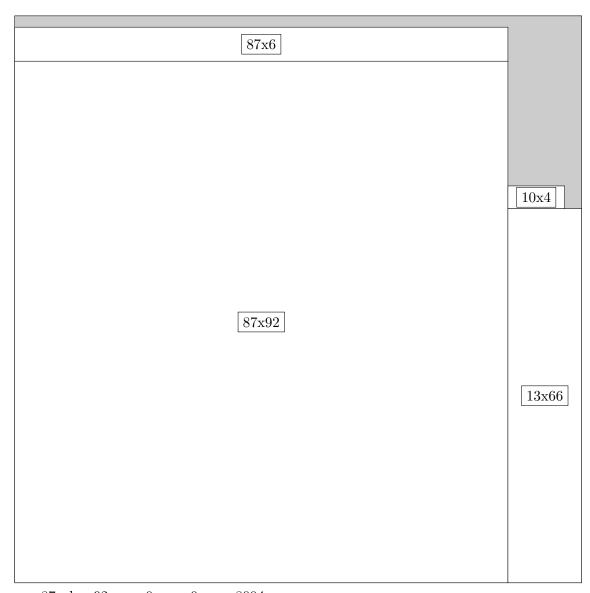
LB: **15**

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

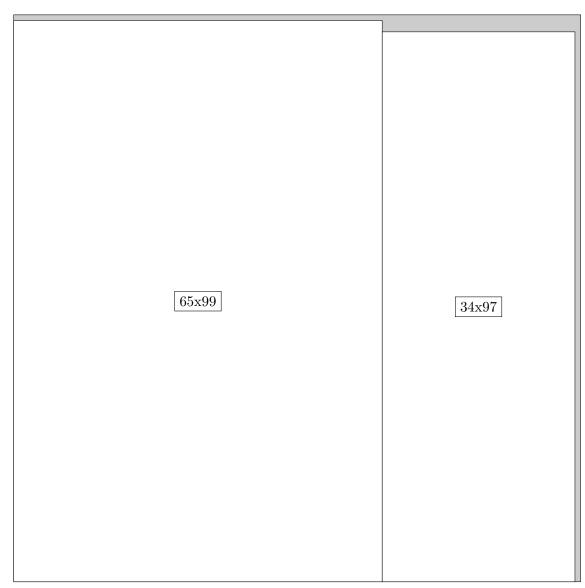
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{15}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

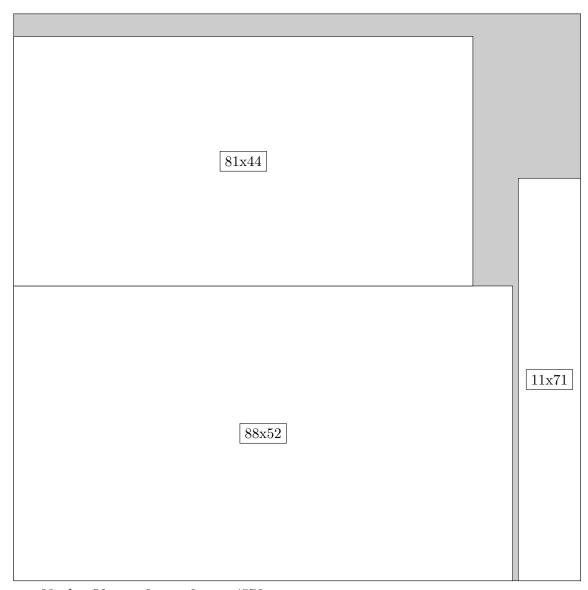
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.130 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.062 \ s} \\ {\rm TotalTime:} \ \underline{0.255 \ s} \end{array}$



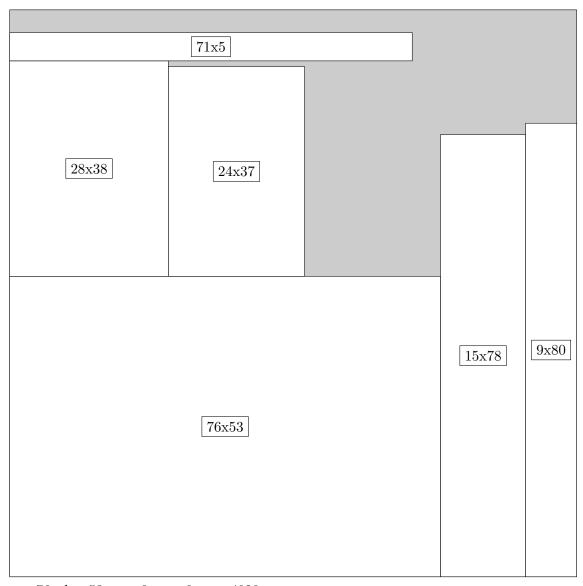
$$\begin{array}{l} w = \! 87 \; , \; h = \! 92 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8004 \\ w = \! 13 \; , \; h = \! 66 \; , \; x = \! 87 \; , \; y = \! 0 \; , \; v = \! 858 \\ w = \! 87 \; , \; h = \! 6 \; , \; x = \! 0 \; , \; y = \! 92 \; , \; v = \! 522 \\ w = \! 10 \; , \; h = \! 4 \; , \; x = \! 87 \; , \; y = \! 66 \; , \; v = \! 40 \end{array}$$



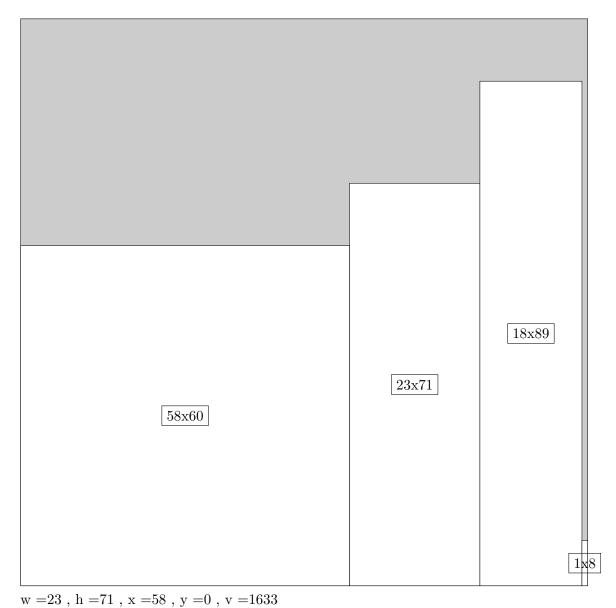
$$\begin{array}{c} w = \!\! 65 \; , \; h = \!\! 99 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 6435 \\ w = \!\! 34 \; , \; h = \!\! 97 \; , \; x = \!\! 65 \; , \; y = \!\! 0 \; , \; v = \!\! 3298 \\ \end{array}$$



$$\begin{array}{l} w = \! 88 \; , \; h = \! 52 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4576 \\ w = \! 81 \; , \; h = \! 44 \; , \; x = \! 0 \; , \; y = \! 52 \; , \; v = \! 3564 \end{array}$$



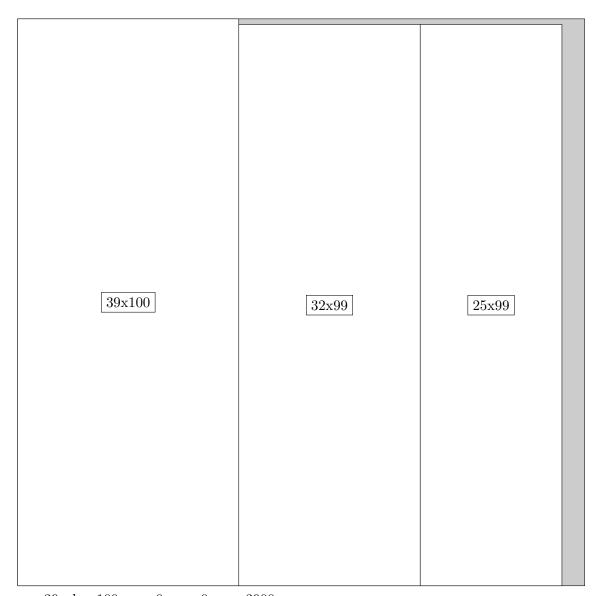
$$\begin{array}{l} w=76\;,\; h=53\;,\; x=0\;,\; y=0\;,\; v=4028\\ w=15\;,\; h=78\;,\; x=76\;,\; y=0\;,\; v=1170\\ w=28\;,\; h=38\;,\; x=0\;,\; y=53\;,\; v=1064\\ w=24\;,\; h=37\;,\; x=28\;,\; y=53\;,\; v=888\\ w=9\;,\; h=80\;,\; x=91\;,\; y=0\;,\; v=720\\ w=71\;,\; h=5\;,\; x=0\;,\; y=91\;,\; v=355 \end{array}$$



w = 23, h = 71, x = 38, y = 0, v = 1033 w = 58, h = 60, x = 0, y = 0, v = 3480

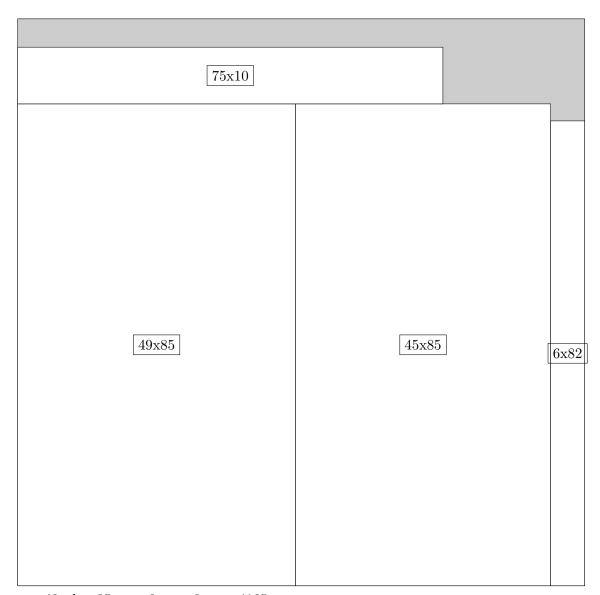
 $\le =18$, h =89 , x =81 , y =0 , v =1602

 \mathbf{w} =1 , h =8 , x =99 , y =0 , v =8

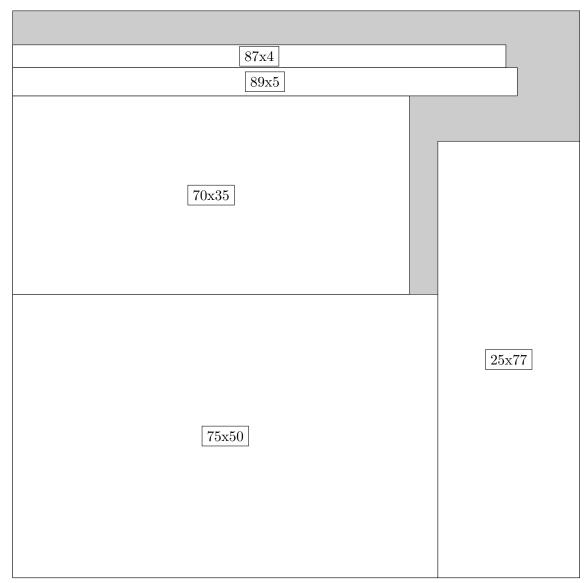


 $\begin{array}{l} w = & 39 \ , \ h = & 100 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 3900 \\ w = & 32 \ , \ h = & 99 \ , \ x = & 39 \ , \ y = & 0 \ , \ v = & 3168 \end{array}$

w = 25 , h = 99 , x = 71 , y = 0 , v = 2475



$$\begin{array}{l} w = \!\! 49 \ , \ h = \!\! 85 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 4165 \\ w = \!\! 45 \ , \ h = \!\! 85 \ , \ x = \!\! 49 \ , \ y = \!\! 0 \ , \ v = \!\! 3825 \\ w = \!\! 75 \ , \ h = \!\! 10 \ , \ x = \!\! 0 \ , \ y = \!\! 85 \ , \ v = \!\! 750 \\ w = \!\! 6 \ , \ h = \!\! 82 \ , \ x = \!\! 94 \ , \ y = \!\! 0 \ , \ v = \!\! 492 \end{array}$$



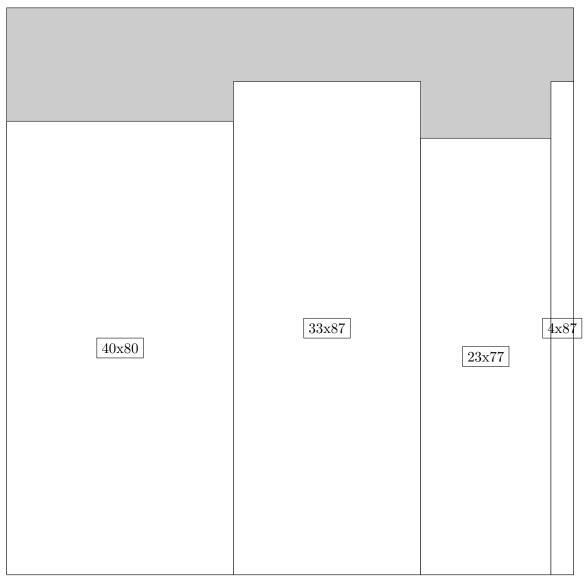
$$w = 75$$
, $h = 50$, $x = 0$, $y = 0$, $v = 3750$

$$\le =70$$
 , h =35 , x =0 , y =50 , v =2450

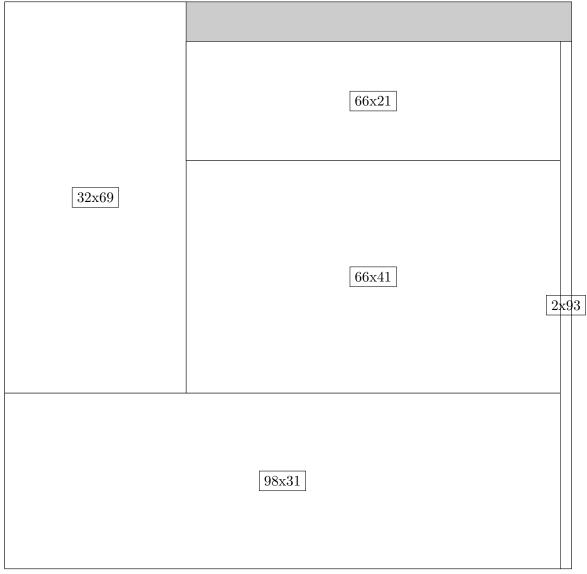
$$\le =25$$
 , $h=77$, $x=75$, $y=0$, $v=1925$

$$\le =89$$
 , h =5 , x =0 , y =85 , v =445

$$\le =87$$
 , h =4 , x =0 , y =90 , v =348



$$\begin{array}{l} w = \!\! 40 \ , \ h = \!\! 80 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3200 \\ w = \!\! 33 \ , \ h = \!\! 87 \ , \ x = \!\! 40 \ , \ y = \!\! 0 \ , \ v = \!\! 2871 \\ w = \!\! 23 \ , \ h = \!\! 77 \ , \ x = \!\! 73 \ , \ y = \!\! 0 \ , \ v = \!\! 1771 \\ w = \!\! 4 \ , \ h = \!\! 87 \ , \ x = \!\! 96 \ , \ y = \!\! 0 \ , \ v = \!\! 348 \end{array}$$



$$\le =98$$
 , h =31 , x =0 , y =0 , v =3038

$$\le =66$$
 , h =41 , x =32 , y =31 , v =2706

$$\le =32$$
 , h =69 , x =0 , y =31 , v =2208

$$\le =66$$
 , h =21 , x =32 , y =72 , v =1386

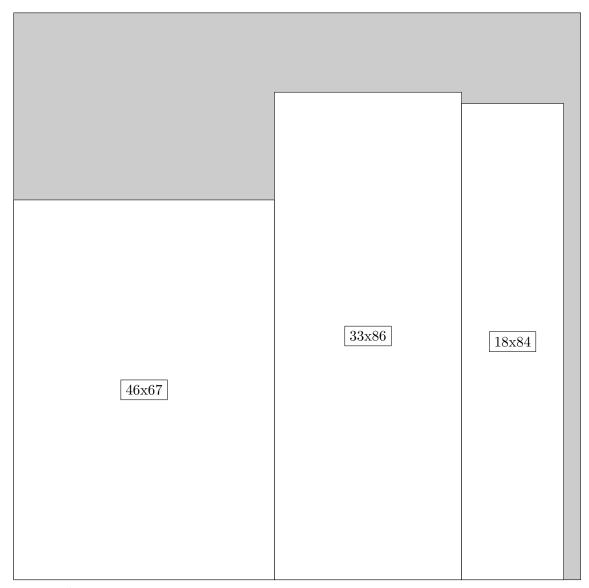
$$\mathbf{w}$$
 =2 , h =93 , x =98 , y =0 , v =186

37x82	33x82	30x86

$$w = 37$$
, $h = 82$, $x = 0$, $y = 0$, $v = 3034$

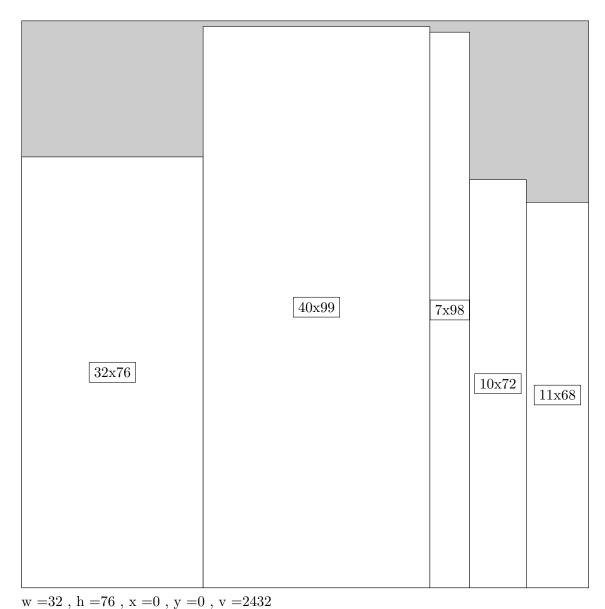
$$\le =33$$
 , h =82 , x =37 , y =0 , v =2706

$$\le =30$$
 , h =
86 , x =
70 , y =
0 , v =
2580

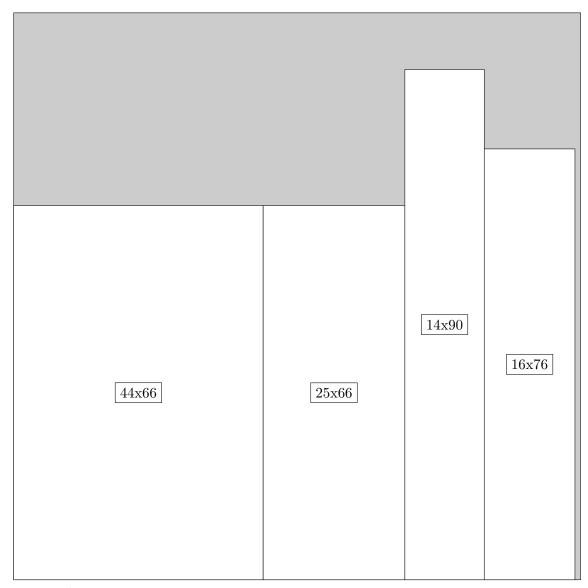


$$\begin{array}{l} w = \!\! 46 \ , \ h = \!\! 67 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 3082 \\ w = \!\! 33 \ , \ h = \!\! 86 \ , \ x = \!\! 46 \ , \ y = \!\! 0 \ , \ v = \!\! 2838 \end{array}$$

$$\le =18$$
 , h =84 , x =79 , y =0 , v =1512



w = 40, h = 99, x = 32, y = 0, v = 3960 w = 11, h = 68, x = 89, y = 0, v = 748 w = 10, h = 72, x = 79, y = 0, v = 720 w = 7, h = 98, x = 72, y = 0, v = 686

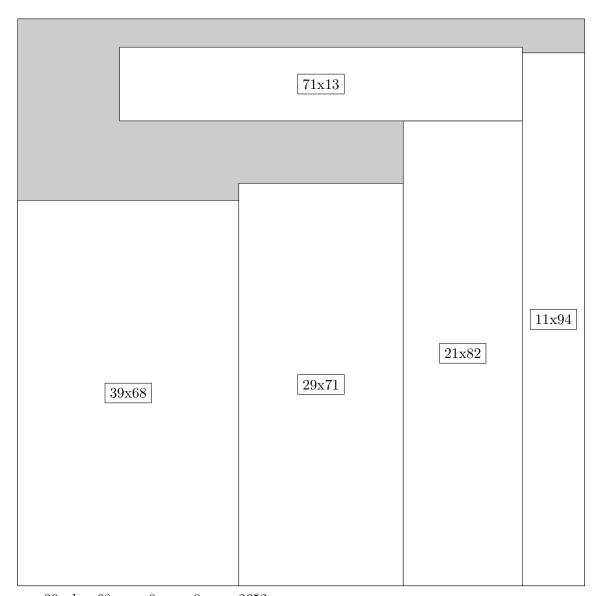


 \mathbf{w} =44 , h =66 , x =0 , y =0 , v =2904

 $\le =25$, h =66 , x =44 , y =0 , v =1650

 $\le =14$, h=90 , x=69 , y=0 , v=1260

 \mathbf{w} =16 , h =76 , x =83 , y =0 , v =1216



$$\begin{array}{l} w = \! 39 \ , \ h = \! 68 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2652 \\ w = \! 29 \ , \ h = \! 71 \ , \ x = \! 39 \ , \ y = \! 0 \ , \ v = \! 2059 \end{array}$$

$$\le =21$$
 , h =82 , x =68 , y =0 , v =1722

$$\le =11$$
 , h =94 , x =89 , y =0 , v =1034

$$w = 71$$
, $h = 13$, $x = 18$, $y = 82$, $v = 923$