$ClassName: \ Class_04.2bp-39$

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

TypeNum: $\underline{79}$ Num: $\underline{80}$ OutS: $\underline{30000}$ InS: $\underline{25943}$ Rate: $\underline{0.865}$

UB: <u>3</u> LB0: <u>3</u> LB: **3**

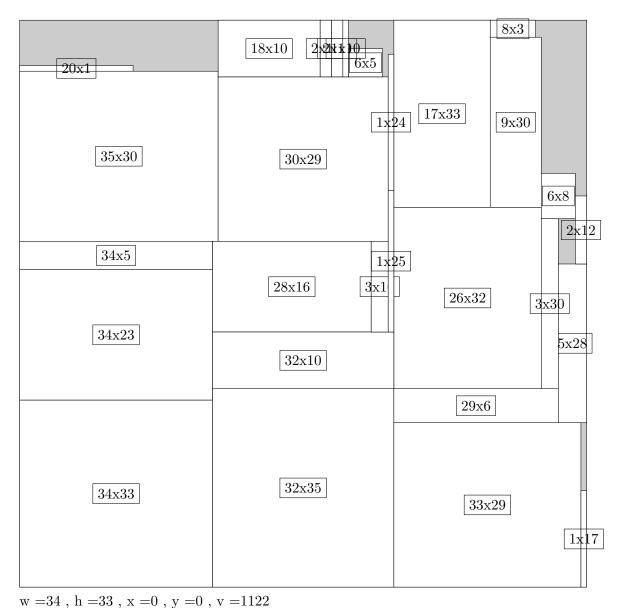
LBWithCut: $\underline{\mathbf{3}}$ NodeCut: $\underline{\mathbf{0}}$

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{3}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

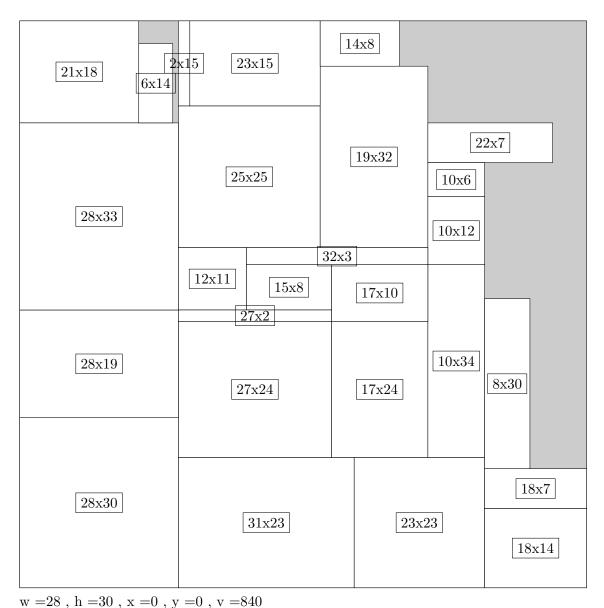
isOpt: **true**

TimeOnInitSolution: 0.010 sTimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.094 sTotalTime: 0.182 s



```
\begin{array}{l} w = & 32 \;, \; h = & 35 \;, \; x = & 34 \;, \; y = 0 \;, \; v = & 1120 \\ w = & 35 \;, \; h = & 30 \;, \; x = 0 \;, \; y = & 61 \;, \; v = & 1050 \\ w = & 33 \;, \; h = & 29 \;, \; x = & 66 \;, \; y = 0 \;, \; v = & 957 \\ w = & 29 \;, \; h = & 6 \;, \; x = & 66 \;, \; y = & 29 \;, \; v = & 174 \\ w = & 30 \;, \; h = & 29 \;, \; x = & 35 \;, \; y = & 61 \;, \; v = & 870 \\ w = & 26 \;, \; h = & 32 \;, \; x = & 66 \;, \; y = & 35 \;, \; v = & 832 \\ w = & 34 \;, \; h = & 23 \;, \; x = & 66 \;, \; y = & 35 \;, \; v = & 832 \\ w = & 17 \;, \; h = & 33 \;, \; x = & 66 \;, \; y = & 67 \;, \; v = & 561 \\ w = & 28 \;, \; h = & 16 \;, \; x = & 34 \;, \; y = & 45 \;, \; v = & 448 \\ w = & 32 \;, \; h = & 10 \;, \; x = & 34 \;, \; y = & 35 \;, \; v = & 320 \\ w = & 9 \;, \; h = & 30 \;, \; x = & 83 \;, \; y = & 67 \;, \; v = & 270 \\ w = & 18 \;, \; h = & 10 \;, \; x = & 35 \;, \; y = & 90 \;, \; v = & 180 \\ w = & 34 \;, \; h = & 5 \;, \; x = & 0 \;, \; y = & 56 \;, \; v = & 170 \\ w = & 5 \;, \; h = & 28 \;, \; x = & 95 \;, \; y = & 29 \;, \; v = & 140 \\ w = & 3 \;, \; h = & 30 \;, \; x = & 92 \;, \; y = & 35 \;, \; v = & 90 \\ \end{array}
```

 $\begin{array}{l} w=6\;,\;h=8\;,\;x=92\;,\;y=65\;,\;v=48\\ w=3\;,\;h=16\;,\;x=62\;,\;y=45\;,\;v=48\\ w=6\;,\;h=5\;,\;x=58\;,\;y=90\;,\;v=30\\ w=1\;,\;h=25\;,\;x=65\;,\;y=45\;,\;v=25\\ w=8\;,\;h=3\;,\;x=83\;,\;y=97\;,\;v=24\\ w=2\;,\;h=12\;,\;x=98\;,\;y=57\;,\;v=24\\ w=1\;,\;h=24\;,\;x=65\;,\;y=70\;,\;v=24\\ w=20\;,\;h=1\;,\;x=0\;,\;y=91\;,\;v=20\\ w=2\;,\;h=10\;,\;x=53\;,\;y=90\;,\;v=20\\ w=2\;,\;h=10\;,\;x=55\;,\;y=90\;,\;v=20\\ w=1\;,\;h=17\;,\;x=99\;,\;y=0\;,\;v=17\\ w=1\;,\;h=10\;,\;x=57\;,\;y=90\;,\;v=10\\ \end{array}$



```
\begin{array}{l} w = & 31 \;, \; h = & 23 \;, \; x = & 28 \;, \; y = & 0 \;, \; v = & 713 \\ w = & 27 \;, \; h = & 24 \;, \; x = & 28 \;, \; y = & 23 \;, \; v = & 648 \\ w = & 25 \;, \; h = & 25 \;, \; x = & 28 \;, \; y = & 60 \;, \; v = & 625 \\ w = & 19 \;, \; h = & 32 \;, \; x = & 53 \;, \; y = & 60 \;, \; v = & 608 \\ w = & 28 \;, \; h = & 19 \;, \; x = & 0 \;, \; y = & 30 \;, \; v = & 532 \\ w = & 23 \;, \; h = & 23 \;, \; x = & 59 \;, \; y = & 0 \;, \; v = & 529 \\ w = & 17 \;, \; h = & 24 \;, \; x = & 55 \;, \; y = & 23 \;, \; v = & 408 \\ w = & 21 \;, \; h = & 18 \;, \; x = & 0 \;, \; y = & 82 \;, \; v = & 378 \\ w = & 23 \;, \; h = & 15 \;, \; x = & 30 \;, \; y = & 85 \;, \; v = & 345 \\ w = & 23 \;, \; h = & 15 \;, \; x = & 30 \;, \; y = & 85 \;, \; v = & 345 \\ w = & 10 \;, \; h = & 34 \;, \; x = & 72 \;, \; y = & 23 \;, \; v = & 240 \\ w = & 18 \;, \; h = & 14 \;, \; x = & 82 \;, \; y = & 21 \;, \; v = & 240 \\ w = & 28 \;, \; h = & 33 \;, \; x = & 0 \;, \; y = & 49 \;, \; v = & 924 \\ w = & 17 \;, \; h = & 10 \;, \; x = & 55 \;, \; y = & 47 \;, \; v = & 170 \\ w = & 22 \;, \; h = & 7 \;, \; x = & 72 \;, \; y = & 75 \;, \; v = & 154 \\ \end{array}
```

$$w = 12$$
, $h = 11$, $x = 28$, $y = 49$, $v = 132$

$$w=\!18$$
 , $h=\!7$, $x=\!82$, $y=\!14$, $v=\!126$

$$\le =15$$
 , $h=8$, $x=40$, $y=49$, $v=120$

$$w$$
 =10 , h =12 , x =72 , y =57 , v =120

$$w$$
 =14 , h =8 , x =53 , y =92 , v =112

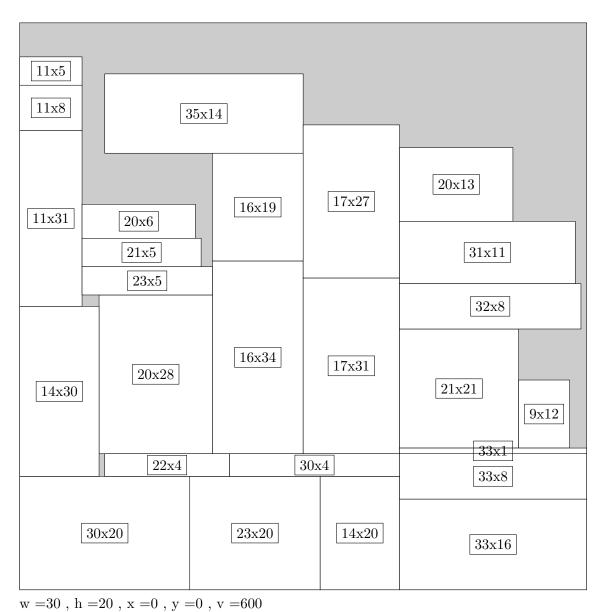
$$w = 32$$
, $h = 3$, $x = 40$, $y = 57$, $v = 96$

$$\mathbf{w}$$
 =6 , h =14 , x =21 , y =82 , v =84

$$w$$
 =10 , h =6 , x =72 , y =69 , v =60

$$w$$
 =27 , h =2 , x =28 , y =47 , v =54

$$w = 2$$
, $h = 15$, $x = 28$, $y = 85$, $v = 30$



$$\begin{array}{l} w=20 \ , \ h=28 \ , \ x=14 \ , \ y=24 \ , \ v=560 \\ w=16 \ , \ h=34 \ , \ x=34 \ , \ y=24 \ , \ v=544 \\ w=33 \ , \ h=16 \ , \ x=67 \ , \ y=0 \ , \ v=528 \\ w=17 \ , \ h=31 \ , \ x=50 \ , \ y=24 \ , \ v=527 \\ w=35 \ , \ h=14 \ , \ x=15 \ , \ y=77 \ , \ v=490 \\ w=23 \ , \ h=20 \ , \ x=30 \ , \ y=0 \ , \ v=460 \\ w=17 \ , \ h=27 \ , \ x=50 \ , \ y=55 \ , \ v=459 \\ w=21 \ , \ h=21 \ , \ x=67 \ , \ y=25 \ , \ v=441 \\ w=14 \ , \ h=30 \ , \ x=0 \ , \ y=20 \ , \ v=420 \\ w=31 \ , \ h=11 \ , \ x=67 \ , \ y=54 \ , \ v=341 \\ w=16 \ , \ h=19 \ , \ x=34 \ , \ y=58 \ , \ v=304 \\ w=14 \ , \ h=20 \ , \ x=53 \ , \ y=0 \ , \ v=280 \\ w=33 \ , \ h=8 \ , \ x=67 \ , \ y=16 \ , \ v=264 \\ w=20 \ , \ h=13 \ , \ x=67 \ , \ y=65 \ , \ v=260 \end{array}$$

 $\begin{array}{l} w = 32 \; , \, h = 8 \; , \, x = 67 \; , \, y = 46 \; , \, v = 256 \\ w = 30 \; , \, h = 4 \; , \, x = 37 \; , \, y = 20 \; , \, v = 120 \\ w = 20 \; , \, h = 6 \; , \, x = 11 \; , \, y = 62 \; , \, v = 120 \\ w = 23 \; , \, h = 5 \; , \, x = 11 \; , \, y = 52 \; , \, v = 115 \\ w = 9 \; , \, h = 12 \; , \, x = 88 \; , \, y = 25 \; , \, v = 108 \\ w = 21 \; , \, h = 5 \; , \, x = 11 \; , \, y = 57 \; , \, v = 105 \\ w = 22 \; , \, h = 4 \; , \, x = 15 \; , \, y = 20 \; , \, v = 88 \\ w = 11 \; , \, h = 8 \; , \, x = 0 \; , \, y = 81 \; , \, v = 88 \\ w = 11 \; , \, h = 5 \; , \, x = 0 \; , \, y = 89 \; , \, v = 55 \\ w = 33 \; , \, h = 1 \; , \, x = 67 \; , \, y = 24 \; , \, v = 33 \end{array}$