$ClassName: \ Class\_04.2bp-39$ 

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

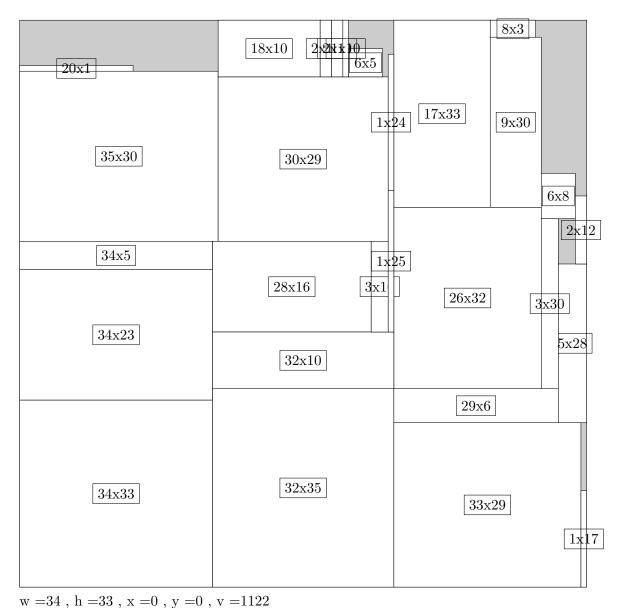
TypeNum: <u>79</u> Num: <u>80</u> OutS: <u>30000</u> InS: <u>25943</u> Rate: <u>0.865</u>

UB: **3**LB0: **3**LB: **3** 

LBWithCut:  $\underline{\mathbf{3}}$ NodeCut:  $\underline{\mathbf{0}}$ 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:  $\underline{\mathbf{1}}$ 

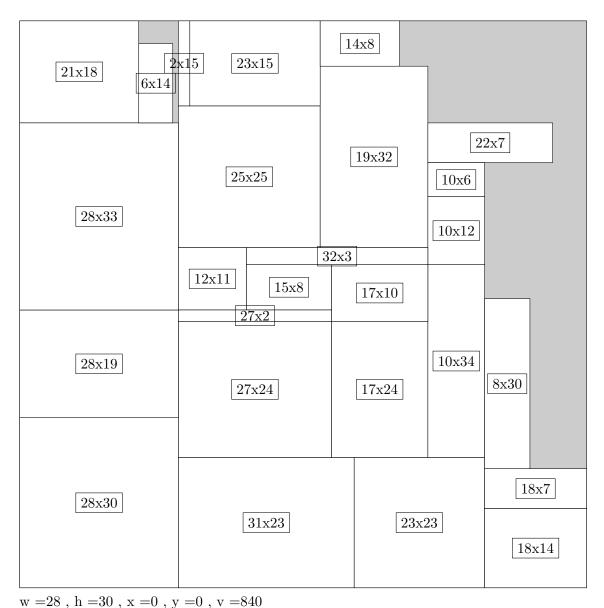
isOpt: **true** 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.110 sTotalTime: 0.172 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 = & 348 \\ w = & 23 \;, \; h = & 15 \;, \; x = & 30 \;, \; y = & 85 \;, \; v = & 345 \\ w = & 23 \;, \; h = & 15 \;, \; x = & 30 \;, \; y = & 85 \;, \; v = & 340 \\ 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

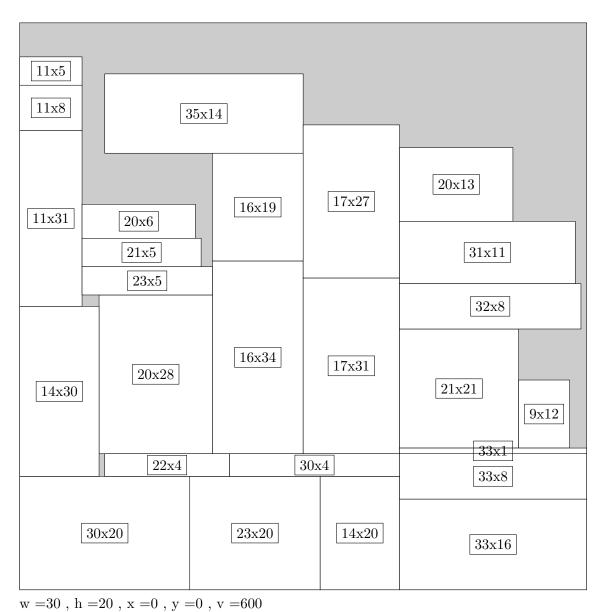
$$w = 32$$
,  $h = 3$ ,  $x = 40$ ,  $y = 57$ ,  $v = 96$ 

$$\mathbf{w}$$
 =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

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



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

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