$ClassName: \ Class_04.2bp-43$

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

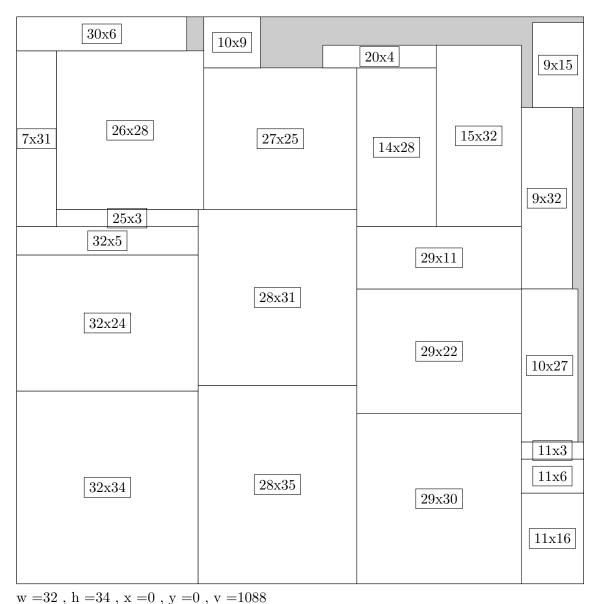
TypeNum: <u>96</u>
Num: <u>100</u>
OutS: <u>40000</u>
InS: <u>30525</u>
Rate: <u>0.763</u>

UB: <u>4</u> LB0: <u>4</u> LB: 4

LBWithCut: $\underline{\mathbf{4}}$ NodeCut: $\underline{\mathbf{0}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{4}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

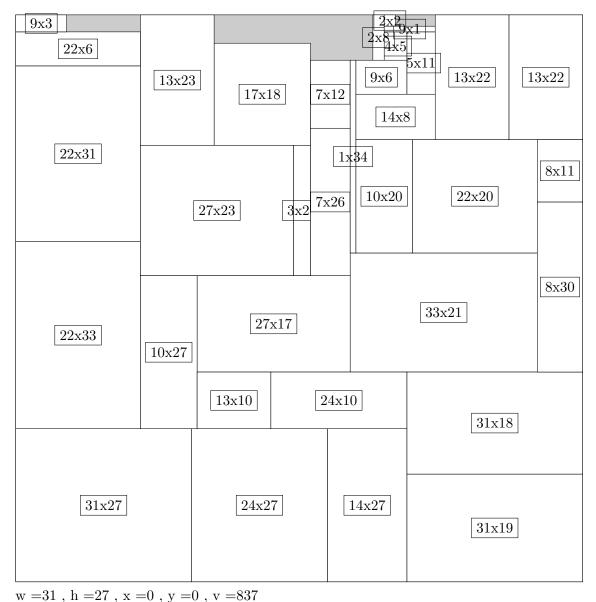
isOpt: **true**

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 0.123 s

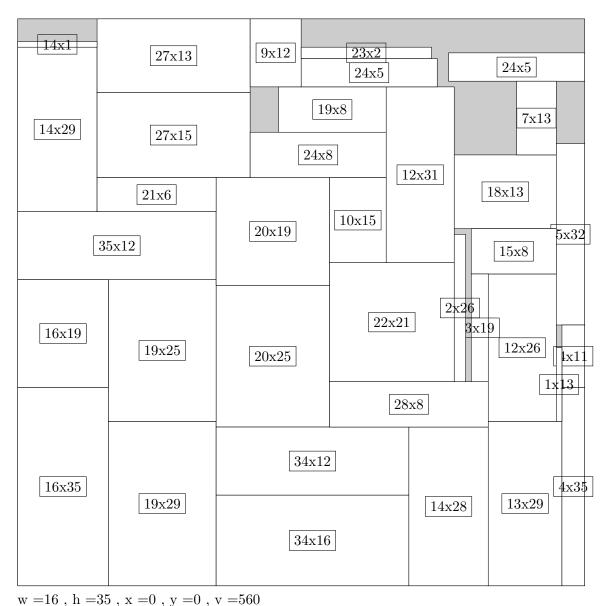


```
\begin{array}{l} w = 28 \;, \; h = 35 \;, \; x = 32 \;, \; y = 0 \;, \; v = 980 \\ w = 29 \;, \; h = 30 \;, \; x = 60 \;, \; y = 0 \;, \; v = 870 \\ w = 28 \;, \; h = 31 \;, \; x = 32 \;, \; y = 35 \;, \; v = 868 \\ w = 32 \;, \; h = 24 \;, \; x = 0 \;, \; y = 34 \;, \; v = 768 \\ w = 26 \;, \; h = 28 \;, \; x = 7 \;, \; y = 66 \;, \; v = 728 \\ w = 27 \;, \; h = 25 \;, \; x = 33 \;, \; y = 66 \;, \; v = 675 \\ w = 29 \;, \; h = 22 \;, \; x = 60 \;, \; y = 30 \;, \; v = 638 \\ w = 15 \;, \; h = 32 \;, \; x = 74 \;, \; y = 63 \;, \; v = 480 \\ w = 14 \;, \; h = 28 \;, \; x = 60 \;, \; y = 63 \;, \; v = 392 \\ w = 29 \;, \; h = 11 \;, \; x = 60 \;, \; y = 52 \;, \; v = 319 \\ w = 9 \;, \; h = 32 \;, \; x = 89 \;, \; y = 52 \;, \; v = 288 \\ w = 10 \;, \; h = 27 \;, \; x = 89 \;, \; y = 25 \;, \; v = 270 \\ w = 7 \;, \; h = 31 \;, \; x = 0 \;, \; y = 63 \;, \; v = 217 \\ w = 30 \;, \; h = 6 \;, \; x = 0 \;, \; y = 94 \;, \; v = 180 \\ w = 11 \;, \; h = 16 \;, \; x = 89 \;, \; y = 0 \;, \; v = 176 \\ \end{array}
```

 $\begin{array}{l} w = 32 \; , \; h = 5 \; , \; x = 0 \; , \; y = 58 \; , \; v = 160 \\ w = 9 \; , \; h = 15 \; , \; x = 91 \; , \; y = 84 \; , \; v = 135 \\ w = 10 \; , \; h = 9 \; , \; x = 33 \; , \; y = 91 \; , \; v = 90 \\ w = 20 \; , \; h = 4 \; , \; x = 54 \; , \; y = 91 \; , \; v = 80 \\ w = 25 \; , \; h = 3 \; , \; x = 7 \; , \; y = 63 \; , \; v = 75 \\ w = 11 \; , \; h = 6 \; , \; x = 89 \; , \; y = 16 \; , \; v = 66 \\ w = 11 \; , \; h = 3 \; , \; x = 89 \; , \; y = 22 \; , \; v = 33 \end{array}$

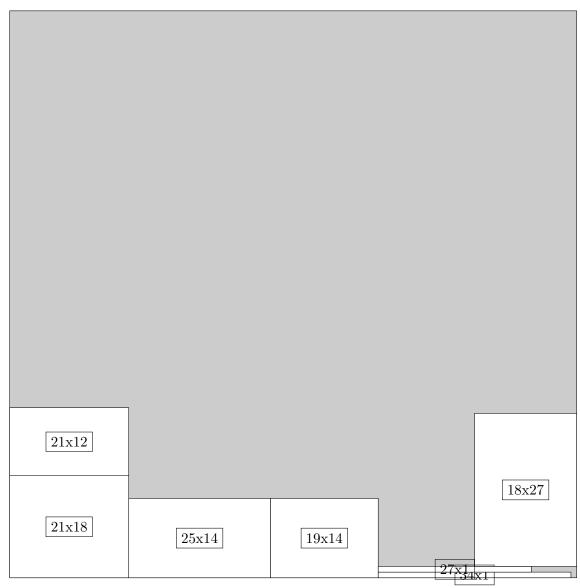


```
w = 10, h = 27, x = 22, y = 27, v = 270
w = 24, h = 10, x = 45, y = 27, v = 240
w = 8, h = 30, x = 92, y = 37, v = 240
w = 10, h = 20, x = 60, y = 58, v = 200
w = 7, h = 26, x = 52, y = 54, v = 182
w = 22, h = 6, x = 0, y = 91, v = 132
w = 13, h = 10, x = 32, y = 27, v = 130
\le =14 , h=8 , x=60 , y=78 , v=112
w = 8, h = 11, x = 92, y = 67, v = 88
w = 7, h = 12, x = 52, y = 80, v = 84
w = 5, h = 11, x = 69, y = 86, v = 55
w = 9, h = 6, x = 60, y = 86, v = 54
\mathbf{w} =1 , h =34 , x =59 , y =58 , v =34
w = 9, h = 3, x = 0, y = 97, v = 27
w = 4, h = 5, x = 65, y = 92, v = 20
w = 2, h = 8, x = 63, y = 92, v = 16
w = 9, h = 1, x = 65, y = 97, v = 9
w = 2, h = 2, x = 65, y = 98, v = 4
```



```
\begin{array}{l} w = 19 \;, \; h = 29 \;, \; x = 16 \;, \; y = 0 \;, \; v = 551 \\ w = 34 \;, \; h = 16 \;, \; x = 35 \;, \; y = 0 \;, \; v = 544 \\ w = 20 \;, \; h = 25 \;, \; x = 35 \;, \; y = 28 \;, \; v = 500 \\ w = 19 \;, \; h = 25 \;, \; x = 16 \;, \; y = 29 \;, \; v = 475 \\ w = 22 \;, \; h = 21 \;, \; x = 55 \;, \; y = 36 \;, \; v = 462 \\ w = 35 \;, \; h = 12 \;, \; x = 0 \;, \; y = 54 \;, \; v = 420 \\ w = 34 \;, \; h = 12 \;, \; x = 35 \;, \; y = 16 \;, \; v = 408 \\ w = 14 \;, \; h = 29 \;, \; x = 0 \;, \; y = 66 \;, \; v = 406 \\ w = 27 \;, \; h = 15 \;, \; x = 14 \;, \; y = 72 \;, \; v = 405 \\ w = 14 \;, \; h = 28 \;, \; x = 69 \;, \; y = 0 \;, \; v = 392 \\ w = 20 \;, \; h = 19 \;, \; x = 35 \;, \; y = 53 \;, \; v = 380 \\ w = 13 \;, \; h = 29 \;, \; x = 83 \;, \; y = 0 \;, \; v = 377 \\ w = 12 \;, \; h = 31 \;, \; x = 65 \;, \; y = 57 \;, \; v = 372 \\ w = 27 \;, \; h = 13 \;, \; x = 14 \;, \; y = 87 \;, \; v = 351 \\ w = 12 \;, \; h = 26 \;, \; x = 83 \;, \; y = 29 \;, \; v = 312 \\ \end{array}
```

```
\le =16 , h=19 , x=0 , y=35 , v=304
w = 18, h = 13, x = 77, y = 63, v = 234
w = 28, h = 8, x = 55, y = 28, v = 224
w = 24, h = 8, x = 41, y = 72, v = 192
w = 5, h = 32, x = 95, y = 46, v = 160
w = 19, h = 8, x = 46, y = 80, v = 152
w = 10, h = 15, x = 55, y = 57, v = 150
\mathbf{w} =4 , h =35 , x =96 , y =0 , v =140
w = 21, h = 6, x = 14, y = 66, v = 126
w = 24, h = 5, x = 50, y = 88, v = 120
w = 24, h = 5, x = 76, y = 89, v = 120
w = 15, h = 8, x = 80, y = 55, v = 120
w=9 , h=\!12 , x=\!41 , y=\!88 , v=\!108
w = 7, h = 13, x = 88, y = 76, v = 91
w = 3, h = 19, x = 80, y = 36, v = 57
w = 2, h = 26, x = 77, y = 36, v = 52
w = 23, h = 2, x = 50, y = 93, v = 46
w = 4, h = 11, x = 96, y = 35, v = 44
w = 14, h = 1, x = 0, y = 95, v = 14
w = 1, h = 13, x = 95, y = 29, v = 13
```



$$\begin{array}{l} w=21\ ,\, h=18\ ,\, x=0\ ,\, y=0\ ,\, v=378\\ w=25\ ,\, h=14\ ,\, x=21\ ,\, y=0\ ,\, v=350\\ w=19\ ,\, h=14\ ,\, x=46\ ,\, y=0\ ,\, v=266\\ w=21\ ,\, h=12\ ,\, x=0\ ,\, y=18\ ,\, v=252\\ w=18\ ,\, h=27\ ,\, x=82\ ,\, y=2\ ,\, v=486\\ w=34\ ,\, h=1\ ,\, x=65\ ,\, y=0\ ,\, v=34\\ w=27\ ,\, h=1\ ,\, x=65\ ,\, y=1\ ,\, v=27\\ \end{array}$$