$ClassName: \ Class\_02.2bp-49$ 

BinSize:  $30 \times 30$ ReduceSize:  $30 \times 30$ 

TypeNum: <u>65</u> Num: <u>100</u> OutS: <u>3600</u> InS: <u>3417</u> Rate: <u>0.949</u>

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

LBWithCut:  $\underline{\mathbf{4}}$  NodeCut:  $\underline{\mathbf{0}}$ 

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

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

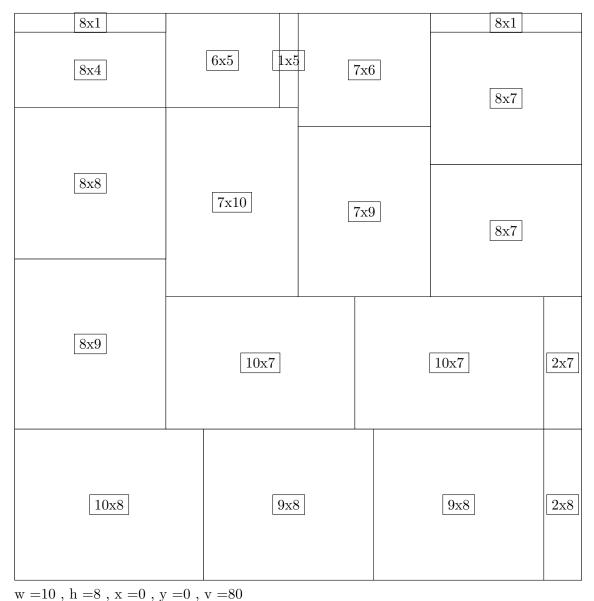
isOpt:  $\underline{\mathbf{true}}$ 

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.000 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.141 \ s} \\ \end{array}$ 

9x1	6x2	6x2	5x2	4x1
9x9	9x9		8x9	4x10
9x10	9x9		9x9	3x2 3x7
10x10	10x1	10	10x1 10x9	

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w = 10, h = 10, x = 0, y = 0, v = 100
w = 10, h = 10, x = 10, y = 0, v = 100
w = 10, h = 9, x = 20, y = 0, v = 90
w = 9, h = 10, x = 0, y = 10, v = 90
w = 9, h = 9, x = 0, y = 20, v = 81
w=9 , h=9 , x=9 , y=\!10 , v=\!81
w = 9, h = 9, x = 18, y = 10, v = 81
w = 9, h = 9, x = 9, y = 19, v = 81
w=8 , h=9 , x=\!18 , y=\!19 , v=\!72
w = 4, h = 10, x = 26, y = 19, v = 40
w=3 , h=7 , x=\!27 , y=\!10 , v=\!21
w = 6, h = 2, x = 9, y = 28, v = 12
w = 6, h = 2, x = 15, y = 28, v = 12
w = 10, h = 1, x = 20, y = 9, v = 10
w = 5, h = 2, x = 21, y = 28, v = 10
\mathbf{w} =9 , h =1 , x =0 , y =29 , v =9
```

 $\begin{array}{l} w = \! 3 \ , \ h = \! 2 \ , \ x = \! 27 \ , \ y = \! 17 \ , \ v = \! 6 \\ w = \! 4 \ , \ h = \! 1 \ , \ x = \! 26 \ , \ y = \! 29 \ , \ v = \! 4 \end{array}$ 



```
w = 10, h = 6, x = 0, y = 0, v = 72

w = 9, h = 8, x = 10, y = 0, v = 72

w = 9, h = 8, x = 19, y = 0, v = 72

w = 8, h = 9, x = 0, y = 8, v = 72

w = 10, h = 7, x = 18, y = 8, v = 70

w = 10, h = 7, x = 18, y = 8, v = 70

w = 7, h = 10, x = 8, y = 15, v = 70

w = 8, h = 8, x = 0, y = 17, v = 64

w = 7, h = 9, x = 15, y = 15, v = 63

w = 8, h = 7, x = 22, y = 15, v = 56

w = 8, h = 7, x = 22, y = 22, v = 56

w = 7, h = 6, x = 15, y = 24, v = 42

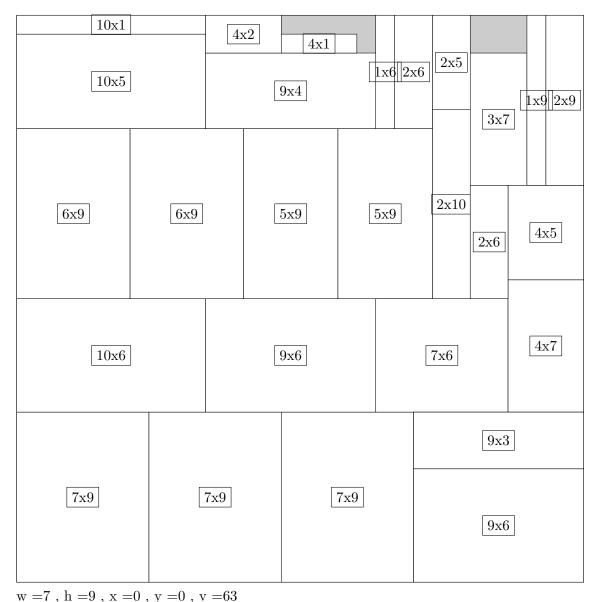
w = 8, h = 4, x = 0, y = 25, v = 32

w = 6, h = 5, x = 8, y = 25, v = 30

w = 2, h = 8, x = 28, y = 0, v = 16

w = 2, h = 7, x = 28, y = 8, v = 14
```

 $\begin{array}{l} w = 8 \;, \; h = 1 \;, \; x = 0 \;, \; y = 29 \;, \; v = 8 \\ w = 8 \;, \; h = 1 \;, \; x = 22 \;, \; y = 29 \;, \; v = 8 \\ w = 1 \;, \; h = 5 \;, \; x = 14 \;, \; y = 25 \;, \; v = 5 \end{array}$ 



```
w = 7, h = 9, x = 7, y = 0, v = 63

w = 7, h = 9, x = 14, y = 0, v = 63

w = 10, h = 6, x = 0, y = 9, v = 60

w = 9, h = 6, x = 21, y = 0, v = 54

w = 9, h = 6, x = 10, y = 9, v = 54

w = 6, h = 9, x = 0, y = 15, v = 54

w = 6, h = 9, x = 6, y = 15, v = 54

w = 10, h = 5, x = 0, y = 24, v = 50

w = 5, h = 9, x = 12, y = 15, v = 45

w = 5, h = 9, x = 17, y = 15, v = 45

w = 7, h = 6, x = 19, y = 9, v = 42

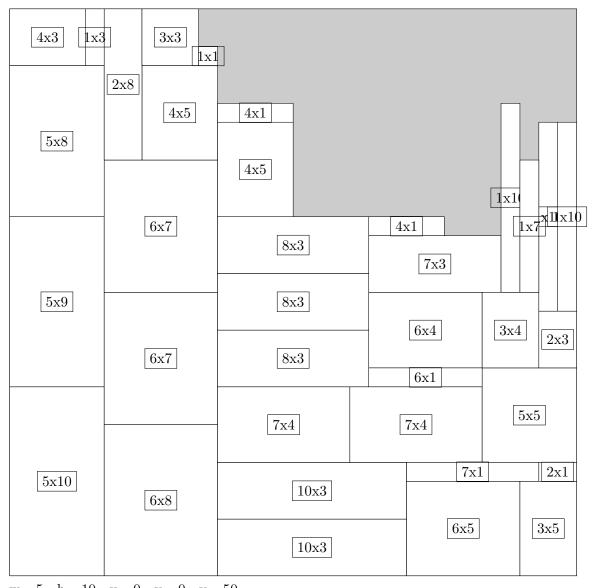
w = 9, h = 4, x = 10, y = 24, v = 36

w = 4, h = 7, x = 26, y = 9, v = 28

w = 9, h = 3, x = 21, y = 6, v = 27

w = 3, h = 7, x = 24, y = 21, v = 21
```

```
\begin{array}{l} w=4\ ,\, h=5\ ,\, x=26\ ,\, y=16\ ,\, v=20\\ w=2\ ,\, h=10\ ,\, x=22\ ,\, y=15\ ,\, v=20\\ w=2\ ,\, h=9\ ,\, x=28\ ,\, y=21\ ,\, v=18\\ w=2\ ,\, h=6\ ,\, x=24\ ,\, y=15\ ,\, v=12\\ w=2\ ,\, h=6\ ,\, x=20\ ,\, y=24\ ,\, v=12\\ w=10\ ,\, h=1\ ,\, x=0\ ,\, y=29\ ,\, v=10\\ w=2\ ,\, h=5\ ,\, x=22\ ,\, y=25\ ,\, v=10\\ w=1\ ,\, h=9\ ,\, x=27\ ,\, y=21\ ,\, v=9\\ w=4\ ,\, h=2\ ,\, x=10\ ,\, y=28\ ,\, v=8\\ w=1\ ,\, h=6\ ,\, x=19\ ,\, y=24\ ,\, v=6\\ w=4\ ,\, h=1\ ,\, x=14\ ,\, y=28\ ,\, v=4\\ \end{array}
```



```
w = 5, h = 10, x = 0, y = 0, v = 50
w = 6, h = 8, x = 5, y = 0, v = 48
w = 5, h = 9, x = 0, y = 10, v = 45
w = 6, h = 7, x = 5, y = 8, v = 42
w = 6, h = 7, x = 5, y = 15, v = 42
w = 5, h = 8, x = 0, y = 19, v = 40
w = 10, h = 3, x = 11, y = 0, v = 30
w = 10, h = 3, x = 11, y = 3, v = 30
w = 6, h = 5, x = 21, y = 0, v = 30
w = 7, h = 4, x = 11, y = 6, v = 28
w = 7, h = 4, x = 18, y = 6, v = 28
w=\!5 , h=\!5 , x=\!25 , y=\!6 , v=\!25
w = 8, h = 3, x = 11, y = 10, v = 24
w = 8, h = 3, x = 11, y = 13, v = 24
w = 8, h = 3, x = 11, y = 16, v = 24
w = 6, h = 4, x = 19, y = 11, v = 24
```

```
\begin{array}{l} w=4\ ,\, h=5\ ,\, x=7\ ,\, y=22\ ,\, v=20\\ w=4\ ,\, h=5\ ,\, x=11\ ,\, y=19\ ,\, v=20\\ w=2\ ,\, h=8\ ,\, x=5\ ,\, y=22\ ,\, v=16\\ w=3\ ,\, h=5\ ,\, x=27\ ,\, y=0\ ,\, v=15\\ w=4\ ,\, h=5\ ,\, x=27\ ,\, y=0\ ,\, v=15\\ w=4\ ,\, h=3\ ,\, x=0\ ,\, y=27\ ,\, v=12\\ w=3\ ,\, h=4\ ,\, x=25\ ,\, y=11\ ,\, v=12\\ w=1\ ,\, h=10\ ,\, x=28\ ,\, y=14\ ,\, v=10\\ w=1\ ,\, h=10\ ,\, x=29\ ,\, y=14\ ,\, v=10\\ w=1\ ,\, h=10\ ,\, x=26\ ,\, y=15\ ,\, v=10\\ w=3\ ,\, h=3\ ,\, x=7\ ,\, y=27\ ,\, v=9\\ w=7\ ,\, h=1\ ,\, x=21\ ,\, y=5\ ,\, v=7\\ w=1\ ,\, h=7\ ,\, x=27\ ,\, y=15\ ,\, v=7\\ \end{array}
```

w =6, h =1, x =19, y =10, v =6 w =2, h =3, x =28, y =11, v =6 w =4, h =1, x =19, y =18, v =4 w =4, h =1, x =11, y =24, v =4 w =1, h =3, x =4, y =27, v =3 w =2, h =1, x =28, y =5, v =2 w =1, h =1, x =10, y =27, v =1

w = 7, h = 3, x = 19, y = 15, v = 21