$ClassName: \ Class\_02.2bp\text{-}33$ 

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

TypeNum: <u>58</u> Num: <u>80</u> OutS: <u>2700</u> InS: <u>2438</u> Rate: <u>0.903</u>

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

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

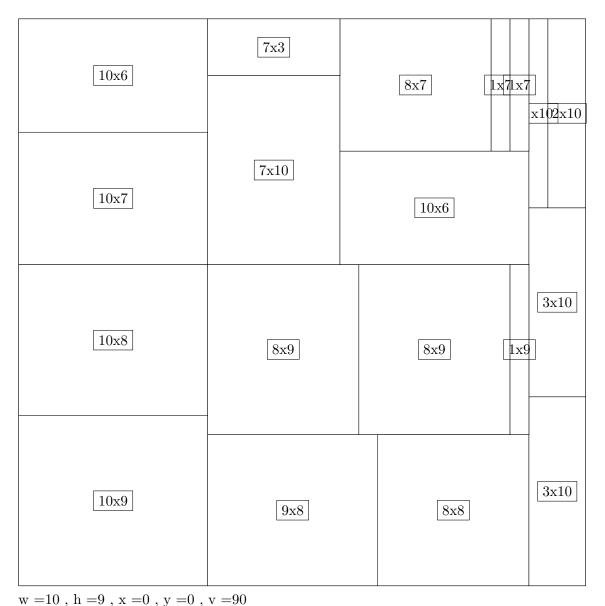
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt: 1
PrimalNode: 0
ColumnCount: 3
TotalCutCount: 0
RootCutCount: 0
LPSolverCnt: 1
PricingSolverCnt: 0

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

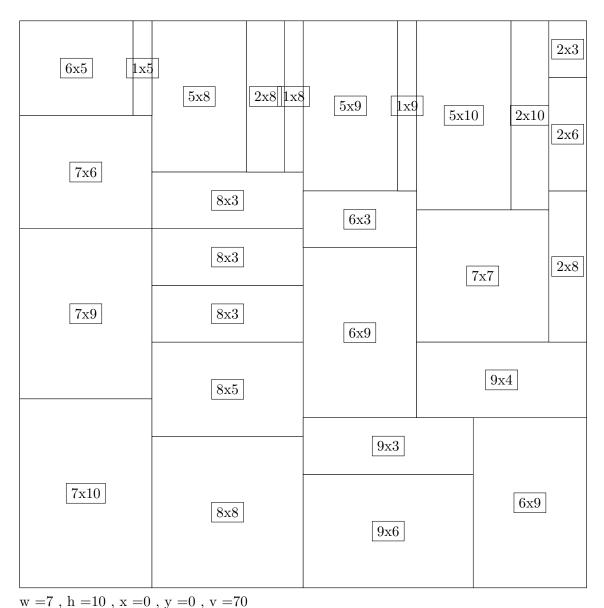
is Opt:  $\underline{\mathbf{true}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.140 s



```
\begin{array}{l} w=10\;,\;h=8\;,\;x=0\;,\;y=9\;,\;v=80\\ w=9\;,\;h=8\;,\;x=10\;,\;y=0\;,\;v=72\\ w=8\;,\;h=9\;,\;x=10\;,\;y=8\;,\;v=72\\ w=8\;,\;h=9\;,\;x=18\;,\;y=8\;,\;v=72\\ w=10\;,\;h=7\;,\;x=0\;,\;y=17\;,\;v=70\\ w=7\;,\;h=10\;,\;x=10\;,\;y=17\;,\;v=70\\ w=8\;,\;h=8\;,\;x=19\;,\;y=0\;,\;v=64\\ w=10\;,\;h=6\;,\;x=0\;,\;y=24\;,\;v=60\\ w=10\;,\;h=6\;,\;x=17\;,\;y=17\;,\;v=60\\ w=8\;,\;h=7\;,\;x=17\;,\;y=17\;,\;v=60\\ w=8\;,\;h=7\;,\;x=17\;,\;y=23\;,\;v=56\\ w=3\;,\;h=10\;,\;x=27\;,\;y=0\;,\;v=30\\ w=3\;,\;h=10\;,\;x=27\;,\;y=10\;,\;v=30\\ w=7\;,\;h=3\;,\;x=10\;,\;y=27\;,\;v=21\\ w=2\;,\;h=10\;,\;x=28\;,\;y=20\;,\;v=20\\ w=1\;,\;h=10\;,\;x=27\;,\;y=20\;,\;v=10\\ \end{array}
```

 $\begin{array}{l} w = 1 \ , \ h = 9 \ , \ x = 26 \ , \ y = 8 \ , \ v = 9 \\ w = 1 \ , \ h = 7 \ , \ x = 25 \ , \ y = 23 \ , \ v = 7 \\ w = 1 \ , \ h = 7 \ , \ x = 26 \ , \ y = 23 \ , \ v = 7 \end{array}$ 



```
\begin{array}{l} w=8\;,\;h=8\;,\;x=7\;,\;y=0\;,\;v=64\\ w=7\;,\;h=9\;,\;x=0\;,\;y=10\;,\;v=63\\ w=9\;,\;h=6\;,\;x=15\;,\;y=0\;,\;v=54\\ w=6\;,\;h=9\;,\;x=24\;,\;y=0\;,\;v=54\\ w=6\;,\;h=9\;,\;x=15\;,\;y=9\;,\;v=54\\ w=7\;,\;h=6\;,\;x=0\;,\;y=19\;,\;v=42\\ w=7\;,\;h=7\;,\;x=21\;,\;y=13\;,\;v=49\\ w=5\;,\;h=9\;,\;x=15\;,\;y=21\;,\;v=45\\ w=5\;,\;h=10\;,\;x=21\;,\;y=20\;,\;v=50\\ w=8\;,\;h=5\;,\;x=7\;,\;y=8\;,\;v=40\\ w=5\;,\;h=8\;,\;x=7\;,\;y=22\;,\;v=40\\ w=5\;,\;h=8\;,\;x=7\;,\;y=22\;,\;v=40\\ w=9\;,\;h=4\;,\;x=21\;,\;y=9\;,\;v=36\\ w=6\;,\;h=5\;,\;x=0\;,\;y=25\;,\;v=30\\ w=9\;,\;h=3\;,\;x=15\;,\;y=6\;,\;v=27\\ w=8\;,\;h=3\;,\;x=7\;,\;y=13\;,\;v=24\\ \end{array}
```

$$w$$
 =8 , h =3 , x =7 , y =  
16 , v =  
24

$$w = 8$$
,  $h = 3$ ,  $x = 7$ ,  $y = 19$ ,  $v = 24$ 

$$\mathbf{w}$$
 =2 , h =10 , x =26 , y =20 , v =20

$$\mathbf{w}$$
 =6 , h =3 , x =15 , y =18 , v =18

$$w=2$$
 ,  $h=8$  ,  $x=12$  ,  $y=22$  ,  $v=16$ 

$$\le =2$$
 , h =8 , x =28 , y =13 , v =16

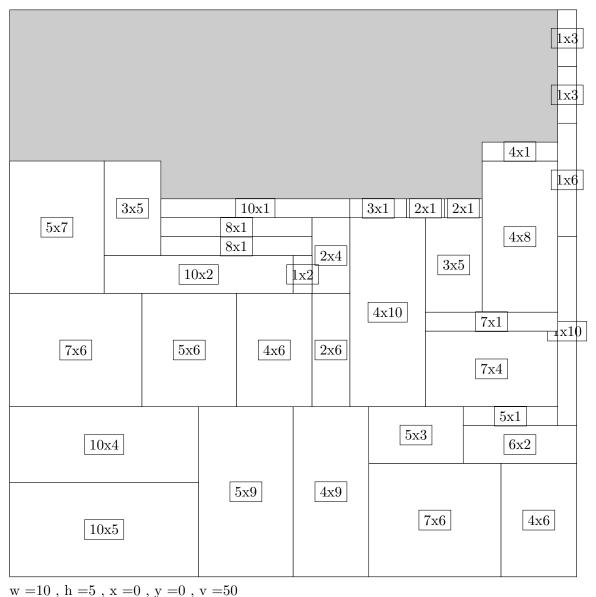
$$w = 2$$
,  $h = 6$ ,  $x = 28$ ,  $y = 21$ ,  $v = 12$ 

$$\mathbf{w}$$
 =1 , h =9 , x =20 , y =21 , v =9

$$w=\!1$$
 ,  $h=\!8$  ,  $x=\!14$  ,  $y=\!22$  ,  $v=\!8$ 

$$w=2$$
 ,  $h=3$  ,  $x=\!28$  ,  $y=\!27$  ,  $v=\!6$ 

$$\mathbf{w}$$
 =1 , h =5 , x =6 , y =25 , v =5



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w =5, h =9, x =10, y =0, v =45

w =7, h =6, x =19, y =0, v =42

w =7, h =6, x =0, y =9, v =42

w =10, h =4, x =0, y =5, v =40

w =4, h =10, x =18, y =9, v =40

w =4, h =9, x =15, y =0, v =36

w =5, h =7, x =0, y =15, v =35

w =4, h =8, x =25, y =14, v =32

w =5, h =6, x =7, y =9, v =30

w =7, h =4, x =22, y =9, v =28

w =4, h =6, x =26, y =0, v =24

w =4, h =6, x =12, y =9, v =24

w =4, h =6, x =12, y =9, v =24

w =10, h =2, x =5, y =15, v =20

w =5, h =3, x =19, y =6, v =15

w =3, h =5, x =22, y =14, v =15
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w = 3, h = 5, x = 5, y = 17, v = 15
w = 6, h = 2, x = 24, y = 6, v = 12
w = 2, h = 6, x = 16, y = 9, v = 12
w = 10, h = 1, x = 8, y = 19, v = 10
w = 1, h = 10, x = 29, y = 8, v = 10
w = 8, h = 1, x = 8, y = 17, v = 8
w = 8, h = 1, x = 8, y = 18, v = 8
w =2 , h =4 , x =16 , y =15 , v =8
w = 7, h = 1, x = 22, y = 13, v = 7
w = 1, h = 6, x = 29, y = 18, v = 6
w = 5, h = 1, x = 24, y = 8, v = 5
w = 4, h = 1, x = 25, y = 22, v = 4
w = 3, h = 1, x = 18, y = 19, v = 3
w = 1, h = 3, x = 29, y = 24, v = 3
w = 1, h = 3, x = 29, y = 27, v = 3
w = 2, h = 1, x = 21, y = 19, v = 2
w = 2, h = 1, x = 23, y = 19, v = 2
w = 1, h = 2, x = 15, y = 15, v = 2
```