$ClassName: \ Class_02.2bp\text{-}33$

 $\begin{array}{ccc} \text{BinSize: } \underline{30} & \overline{\times} & \underline{30} \\ \text{ReduceSize: } \underline{30} & \times & \underline{30} \end{array}$

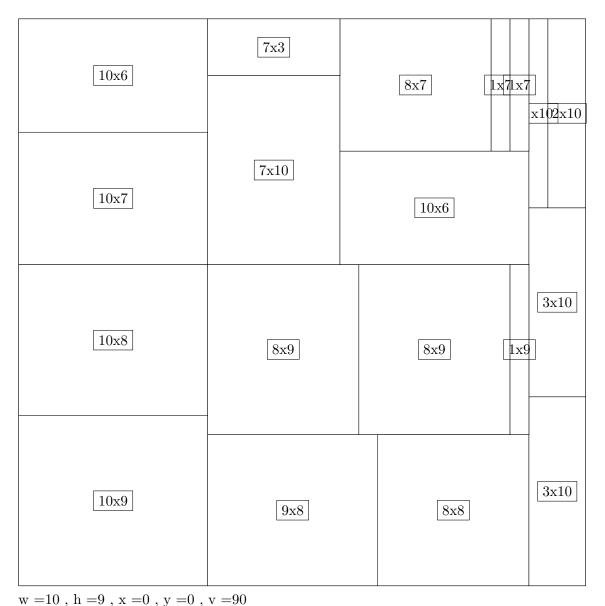
TypeNum: $\underline{58}$ Num: $\underline{80}$ OutS: $\underline{2700}$ InS: $\underline{2438}$ Rate: $\underline{0.903}$

UB: <u>3</u> LB0: <u>3</u> 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: $\underline{\mathbf{1}}$

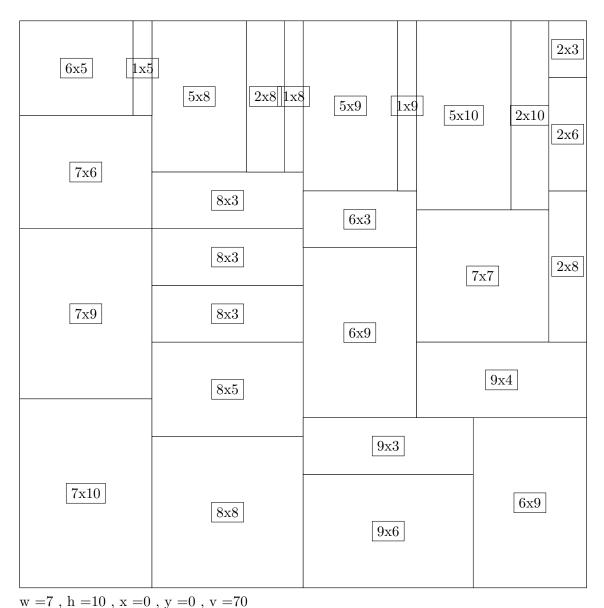
isOpt: **true**

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.047 sTotalTime: 0.109 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 = 17 \; , \; y = 17 \; , \; v = 60 \\ w = 10 \; , \; h = 6 \; , \; 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 = 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

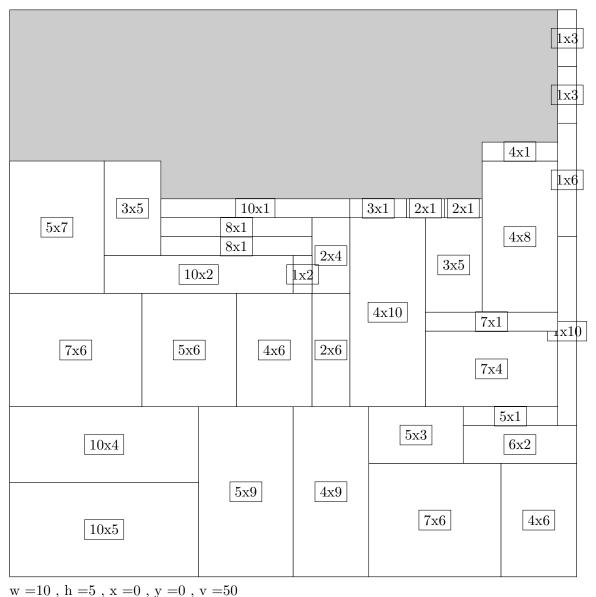
$$w = 2$$
, $h = 6$, $x = 28$, $y = 21$, $v = 12$

$$\mathbf{w}$$
 =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



```
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
```

```
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
```