$ClassName: \ Class_02.2bp\text{-}35$

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

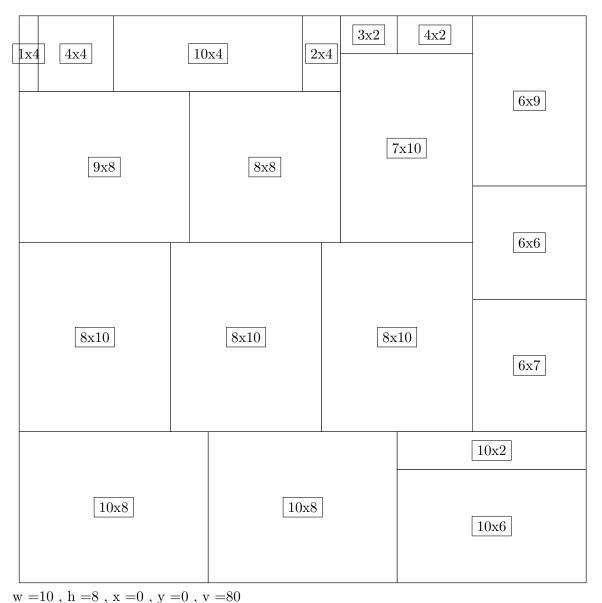
TypeNum: $\underline{55}$ Num: $\underline{80}$ OutS: $\underline{2700}$ InS: $\underline{2521}$ Rate: $\underline{0.934}$

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: 0.063 sTotalTime: 0.110 s



```
w =10, h =8, x =0, y =0, v =80

w =10, h =8, x =10, y =0, v =80

w =8, h =10, x =0, y =8, v =80

w =8, h =10, x =16, y =8, v =80

w =8, h =10, x =16, y =8, v =80

w =9, h =8, x =0, y =18, v =72

w =7, h =10, x =17, y =18, v =70

w =8, h =8, x =9, y =18, v =64

w =10, h =6, x =20, y =0, v =60

w =2, h =4, x =15, y =26, v =8

w =6, h =7, x =24, y =8, v =42

w =10, h =4, x =5, y =26, v =40

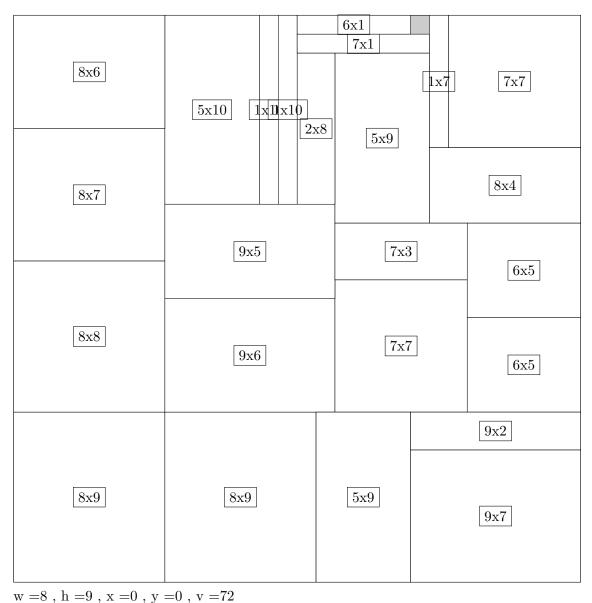
w =6, h =6, x =24, y =15, v =36

w =10, h =2, x =20, y =6, v =20

w =4, h =4, x =1, y =26, v =16

w =4, h =2, x =20, y =28, v =8
```

 $\begin{array}{l} w=6 \ , \ h=9 \ , \ x=24 \ , \ y=21 \ , \ v=54 \\ w=3 \ , \ h=2 \ , \ x=17 \ , \ y=28 \ , \ v=6 \\ w=1 \ , \ h=4 \ , \ x=0 \ , \ y=26 \ , \ v=4 \end{array}$



$$w = 9$$
, $h = 7$, $x = 21$, $y = 0$, $v = 63$

$$w = 9$$
, $h = 6$, $x = 8$, $y = 9$, $v = 54$

$$w$$
 =5 , h =10 , x =8 , y =20 , v =50

$$w$$
 =7 , h =7 , x =17 , y =9 , v =49

$$w = 7$$
, $h = 7$, $x = 23$, $y = 23$, $v = 49$

$$w$$
 =8 , h =6 , x =0 , y =24 , v =48

$$\le =9$$
 , h =5 , x =8 , y =15 , v =45

$$w = 5$$
 , $h = 9$, $x = 16$, $y = 0$, $v = 45$

$$w$$
 =5 , h =9 , x =17 , y =19 , v =45

$$w = 8$$
, $h = 4$, $x = 22$, $y = 19$, $v = 32$

$$w$$
 =6 , h =5 , x =24 , y =9 , v =30

$$\mathbf{w}$$
 =6 , h =5 , x =24 , y =14 , v =30

w=7 , h=3 , $x=\!17$, $y=\!16$, $v=\!21$

 \mathbf{w} =9 , h =2 , x =21 , y =7 , v =18

 \mathbf{w} =2 , h =8 , x =15 , y =20 , v =16

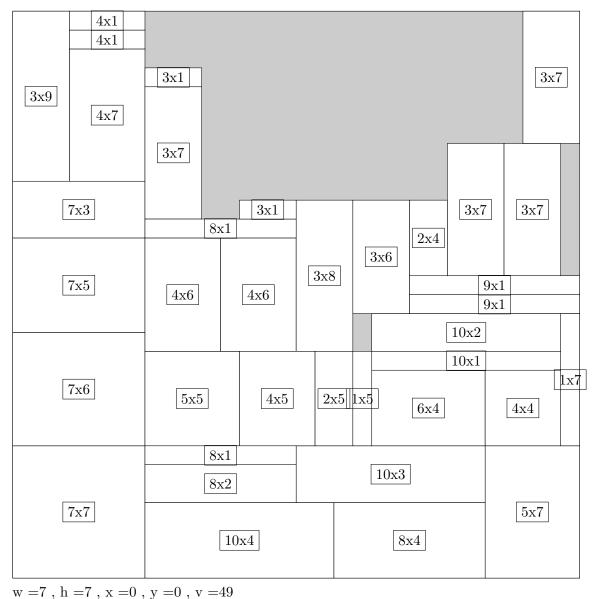
 $\mathbf{w} = \! 1$, $\mathbf{h} = \! 10$, $\mathbf{x} = \! 13$, $\mathbf{y} = \! 20$, $\mathbf{v} = \! 10$

 \mathbf{w} =1 , h =10 , x =14 , y =20 , v =10

 \mathbf{w} =7 , h =1 , x =15 , y =28 , v =7

w=1 , h=7 , $x=\!22$, $y=\!23$, $v=\!7$

 \mathbf{w} =6 , h =1 , x =15 , y =29 , v =6



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

w = 10, h = 4, x = 7, y = 0, v = 40

w = 7, h = 5, x = 0, y = 13, v = 35

w = 5, h = 7, x = 25, y = 0, v = 35

w = 8, h = 4, x = 17, y = 0, v = 32

w = 10, h = 3, x = 15, y = 4, v = 30

w = 4, h = 7, x = 3, y = 21, v = 28

w = 3, h = 9, x = 0, y = 21, v = 27

w = 5, h = 5, x = 7, y = 7, v = 25

w = 6, h = 4, x = 19, y = 7, v = 24

w = 4, h = 6, x = 7, y = 12, v = 24

w = 4, h = 6, x = 11, y = 12, v = 24

w = 4, h = 6, x = 11, y = 12, v = 24

w = 3, h = 8, x = 15, y = 12, v = 24

w = 7, h = 3, x = 0, y = 18, v = 21

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

```
w = 3, h = 7, x = 23, y = 16, v = 21
```

$$w = 3$$
, $h = 7$, $x = 26$, $y = 16$, $v = 21$

$$w = 3$$
, $h = 7$, $x = 27$, $y = 23$, $v = 21$

$$w = 10$$
, $h = 2$, $x = 19$, $y = 12$, $v = 20$

$$w = 4$$
, $h = 5$, $x = 12$, $y = 7$, $v = 20$

$$w = 3$$
, $h = 6$, $x = 18$, $y = 14$, $v = 18$

$$w$$
 =8 , h =2 , x =7 , y =4 , v =16

$$\mathbf{w}$$
 =4 , h =4 , x =25 , y =7 , v =16

$$w=\!10$$
 , $h=\!1$, $x=\!19$, $y=\!11$, $v=\!10$

$$w = 2$$
, $h = 5$, $x = 16$, $y = 7$, $v = 10$

$$w = 9$$
, $h = 1$, $x = 21$, $y = 14$, $v = 9$

$$w = 9$$
, $h = 1$, $x = 21$, $y = 15$, $v = 9$

$$w=\!8$$
 , $h=\!1$, $x=\!7$, $y=\!6$, $v=\!8$

$$w$$
 =8 , h =1 , x =7 , y =18 , v =8

$$w = 2$$
, $h = 4$, $x = 21$, $y = 16$, $v = 8$

$$\mathbf{w}$$
 =1 , h =7 , x =29 , y =7 , v =7

$$w = 1$$
, $h = 5$, $x = 18$, $y = 7$, $v = 5$

$$\mathbf{w}$$
 =4 , h =1 , x =3 , y =28 , v =4

$$w = 4$$
, $h = 1$, $x = 3$, $y = 29$, $v = 4$

$$w = 3$$
, $h = 1$, $x = 12$, $y = 19$, $v = 3$

$$w = 3$$
, $h = 1$, $x = 7$, $y = 26$, $v = 3$