$ClassName: \ Class_02.2bp-46$

BinSize: 30×30 ReduceSize: 30×30

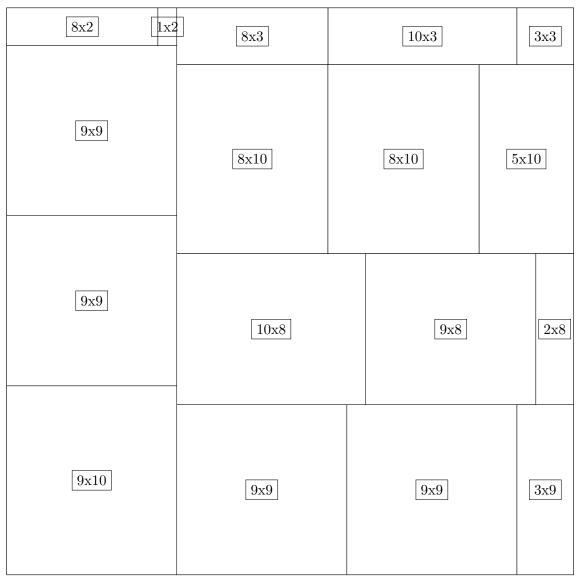
TypeNum: <u>63</u> Num: <u>100</u> OutS: <u>3600</u> InS: <u>2737</u> Rate: <u>0.760</u>

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: 0.109 s



$$w = 9$$
, $h = 10$, $x = 0$, $y = 0$, $v = 90$

$$\mathbf{w}$$
 =9 , \mathbf{h} =9 , \mathbf{x} =0 , \mathbf{y} =10 , \mathbf{v} =81

$$w = 9$$
, $h = 9$, $x = 0$, $y = 19$, $v = 81$

$$w = 9$$
, $h = 9$, $x = 9$, $y = 0$, $v = 81$

$$w = 9$$
, $h = 9$, $x = 18$, $y = 0$, $v = 81$

$$w=\!10$$
 , $h=\!8$, $x=\!9$, $y=\!9$, $v=\!80$

$$w = 8$$
, $h = 10$, $x = 9$, $y = 17$, $v = 80$

$$w = 8$$
, $h = 10$, $x = 17$, $y = 17$, $v = 80$

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

$$w$$
 =5 , h =10 , x =25 , y =17 , v =50

$$\mathbf{w}=\!10$$
 , $\mathbf{h}=\!3$, $\mathbf{x}=\!17$, $\mathbf{y}=\!27$, $\mathbf{v}=\!30$

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

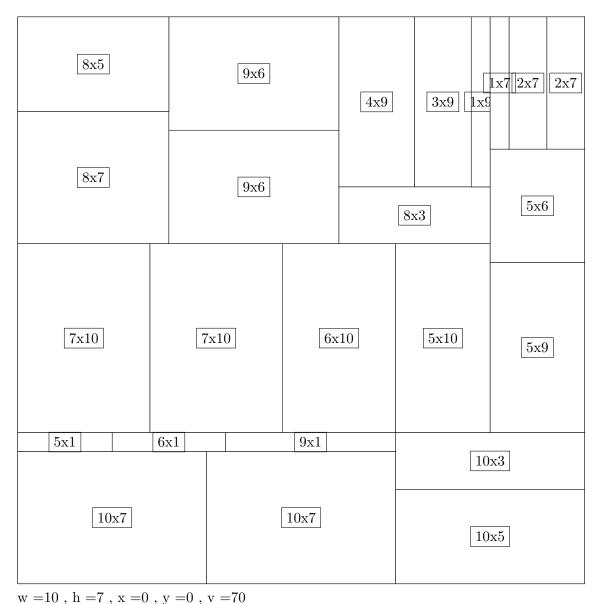
$$w = 8$$
, $h = 3$, $x = 9$, $y = 27$, $v = 24$

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

$$w = 2$$
, $h = 8$, $x = 28$, $y = 9$, $v = 16$

$$w = 3$$
, $h = 3$, $x = 27$, $y = 27$, $v = 9$

 \mathbf{w} =1 , h =2 , x =8 , y =28 , v =2



w =10, h =7, x =0, y =0, v =70 w =10, h =7, x =10, y =0, v =70 w =7, h =10, x =0, y =8, v =70 w =6, h =10, x =14, y =8, v =60 w =8, h =7, x =0, y =18, v =56 w =9, h =6, x =8, y =18, v =54 w =9, h =6, x =8, y =24, v =54 w =10, h =5, x =20, y =0, v =50 w =5, h =10, x =20, y =8, v =45 w =5, h =9, x =25, y =8, v =45 w =8, h =5, x =0, y =25, v =40 w =4, h =9, x =17, y =21, v =36 w =10, h =3, x =20, y =5, v =30 w =5, h =6, x =25, y =17, v =30 w =5, h =6, x =25, y =17, v =30 w =5, h =9, x =21, y =21, v =27 $\le =8$, h =3 , x =17 , y =18 , v =24

w = 2, h = 7, x = 28, y = 23, v = 14

 \mathbf{w} =2 , h =7 , x =26 , y =23 , v =14

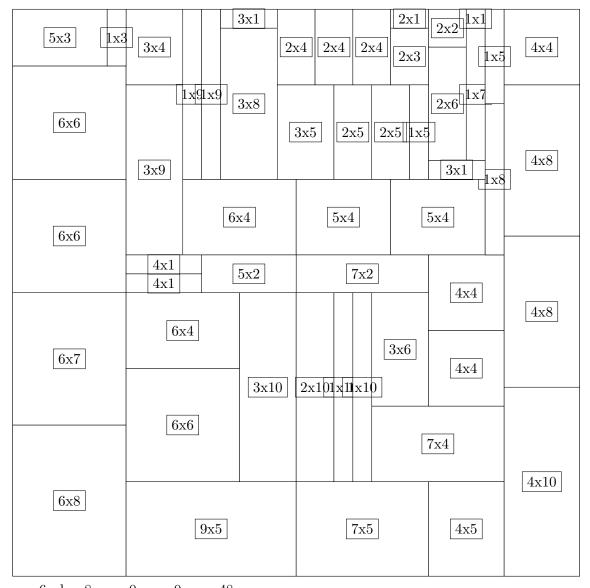
 \mathbf{w} =9 , h =1 , x =11 , y =7 , v =9

 \mathbf{w} =1 , h =9 , x =24 , y =21 , v =9

 \mathbf{w} =1 , h =7 , x =25 , y =23 , v =7

 \mathbf{w} =6 , h =1 , x =5 , y =7 , v =6

 \mathbf{w} =5 , h =1 , x =0 , y =7 , v =5



```
w = 6, h = 8, x = 0, y = 0, v = 48
w = 9, h = 5, x = 6, y = 0, v = 45
```

$$w = 4$$
, $h = 10$, $x = 26$, $y = 0$, $y = 40$

$$w = 4$$
, $h = 10$, $x = 26$, $y = 0$, $v = 40$

$$w = 6$$
, $h = 6$, $x = 0$, $y = 15$, $v = 36$

$$w = 0$$
, $h = 0$, $x = 0$, $y = 3$, $v = 30$
 $w = 7$, $h = 5$, $x = 15$, $y = 0$, $v = 35$

$$w = 4$$
, $h = 8$, $x = 26$, $y = 10$, $v = 32$

$$w = 4$$
, $h = 8$, $x = 26$, $y = 10$, $v = 32$
 $w = 4$, $h = 8$, $x = 26$, $y = 18$, $v = 32$

$$w = 3$$
, $h = 10$, $x = 12$, $y = 5$, $v = 30$

$$w = 7$$
, $h = 4$, $x = 19$, $y = 5$, $v = 28$

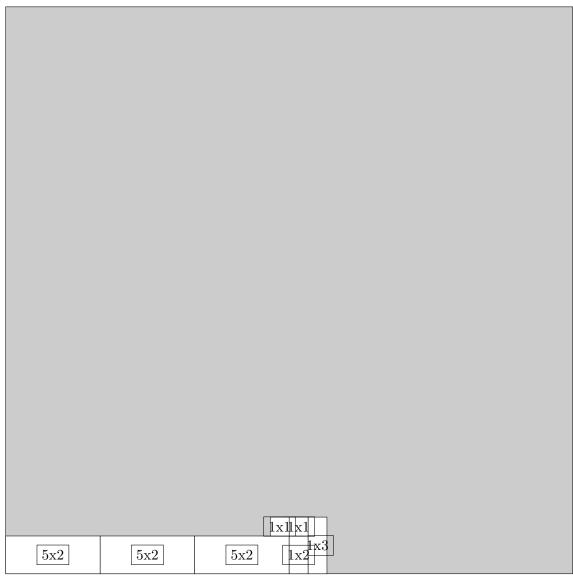
$$w = 7$$
, $h = 4$, $x = 19$, $y = 3$, $v = 20$
 $w = 3$, $h = 9$, $x = 6$, $y = 17$, $v = 27$

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

$$w = 6$$
, $h = 4$, $x = 9$, $y = 17$, $v = 24$

$$w = 3$$
, $h = 8$, $x = 11$, $y = 21$, $v = 24$

```
w = 5, h = 4, x = 15, y = 17, v = 20
w = 5, h = 4, x = 20, y = 17, v = 20
w = 4, h = 5, x = 22, y = 0, v = 20
w = 2, h = 10, x = 15, y = 5, v = 20
w = 3, h = 6, x = 19, y = 9, v = 18
w = 4, h = 4, x = 26, y = 26, v = 16
w = 4, h = 4, x = 22, y = 9, v = 16
w = 4, h = 4, x = 22, y = 13, v = 16
w = 5, h = 3, x = 0, y = 27, v = 15
w = 3, h = 5, x = 14, y = 21, v = 15
w = 7, h = 2, x = 15, y = 15, v = 14
w = 3, h = 4, x = 6, y = 26, v = 12
w = 2, h = 6, x = 22, y = 22, v = 12
w = 5, h = 2, x = 10, y = 15, v = 10
w = 2, h = 5, x = 17, y = 21, v = 10
w = 2, h = 5, x = 19, y = 21, v = 10
w = 1, h = 10, x = 17, y = 5, v = 10
w = 1, h = 10, x = 18, y = 5, v = 10
w = 1, h = 9, x = 9, y = 21, v = 9
w = 1, h = 9, x = 10, y = 21, v = 9
w = 2, h = 4, x = 14, y = 26, v = 8
w = 2, h = 4, x = 16, y = 26, v = 8
w = 2, h = 4, x = 18, y = 26, v = 8
w = 1, h = 8, x = 25, y = 17, v = 8
w = 1, h = 7, x = 24, y = 22, v = 7
w = 2, h = 3, x = 20, y = 26, v = 6
w = 1, h = 5, x = 25, y = 25, v = 5
w = 1, h = 3, x = 5, y = 27, v = 3
w = 4, h = 1, x = 6, y = 15, v = 4
w = 4, h = 1, x = 6, y = 16, v = 4
w = 2, h = 2, x = 22, y = 28, v = 4
w = 3, h = 1, x = 11, y = 29, v = 3
w = 3, h = 1, x = 22, y = 21, v = 3
w = 1, h = 5, x = 21, y = 21, v = 5
w = 2, h = 1, x = 20, y = 29, v = 2
w = 1, h = 1, x = 24, y = 29, v = 1
```



```
\mathbf{w} =5 , h =2 , x =0 , y =0 , v =10
```

$$\le 5$$
 , h =
2 , x =
5 , y =
0 , v =
10

$$\mathbf{w}$$
 =5 , h =2 , x =10 , y =0 , v =10

$$\mathbf{w}$$
 =1 , h =3 , x =
16 , y =0 , v =3

$$\mathbf{w}$$
 =1 , h =2 , x =15 , y =0 , v =2

$$\mathbf{w}$$
 =1 , h =1 , x =15 , y =2 , v =1

$$\mathbf{w} = \! 1$$
 , $\mathbf{h} = \! 1$, $\mathbf{x} = \! 14$, $\mathbf{y} = \! 2$, $\mathbf{v} = \! 1$