$ClassName: \ Class_02.2bp-27$

BinSize: 30×30 ReduceSize: 30×30

TypeNum: <u>49</u> Num: <u>60</u> OutS: <u>2700</u> InS: <u>1883</u> Rate: <u>0.697</u>

UB: **3** LB0: **3** 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: 0.058 sTotalTime: 0.107 s

[10x3]		8x 4x1	2 3x2	7x5	
8x9	[5x9]	3x9	7x10	7x7	
8x10	8x10		8x10	6x1 6x9	
[10x8]	10x8 9x8			8x8 3x8	

```
 \begin{array}{c} w = \! 10 \; , \; h = \! 8 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 80 \\ w = \! 8 \; , \; h = \! 10 \; , \; x = \! 0 \; , \; y = \! 8 \; , \; v = \! 80 \\ \end{array}
```

$$\mathbf{w}$$
 =8 , h =10 , x =8 , y =8 , v =80

$$\begin{array}{l} w = 9 \ , \ h = 8 \ , \ x = 10 \ , \ y = 0 \ , \ v = 72 \\ w = 8 \ , \ h = 9 \ , \ x = 0 \ , \ y = 18 \ , \ v = 72 \end{array}$$

$$w = 7$$
, $h = 10$, $x = 16$, $y = 18$, $v = 70$

$$w = 8$$
, $h = 8$, $x = 19$, $y = 0$, $v = 64$

$$w = 6$$
, $h = 9$, $x = 24$, $y = 8$, $v = 54$

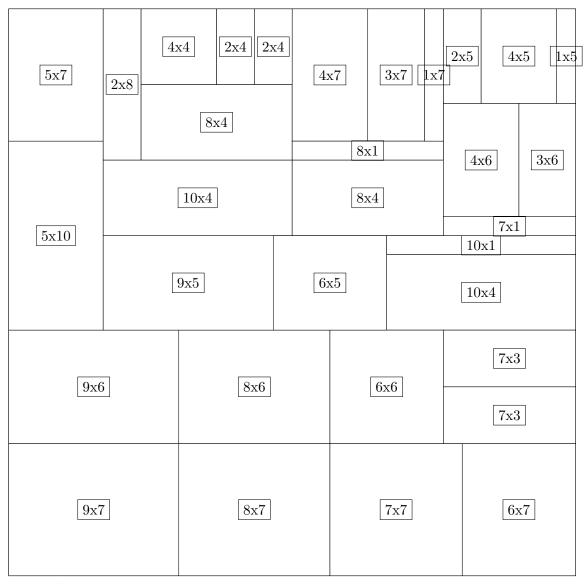
$$w$$
 =5 , h =9 , x =8 , y =18 , v =45

$$w = 7$$
, $h = 5$, $x = 23$, $y = 25$, $v = 35$

$$\le =10$$
 , h =3 , x =0 , y =27 , v =30

$$w = 8, h = 2, x = 12, y = 28, v = 16$$

 $\begin{array}{l} w = 6 \ , \ h = 1 \ , \ x = 24 \ , \ y = 17 \ , \ v = 6 \\ w = 3 \ , \ h = 2 \ , \ x = 20 \ , \ y = 28 \ , \ v = 6 \\ w = 4 \ , \ h = 1 \ , \ x = 12 \ , \ y = 27 \ , \ v = 4 \end{array}$



$$\mathbf{w}$$
 =9 , h =7 , x =0 , y =0 , v =63

$$\mathbf{w}$$
 =8 , h =7 , x =9 , y =0 , v =
56

$$w = 9$$
, $h = 6$, $x = 0$, $y = 7$, $v = 54$

$$\mathbf{w}$$
 =5 , h =10 , x =0 , y =13 , v =50

$$\mathbf{w}$$
 =7 , h =7 , x =17 , y =0 , v =49

$$\mathbf{w}$$
 =8 , h =6 , x =9 , y =7 , v =48

$$w$$
 =9 , h =5 , x =5 , y =13 , v =45

$$\mathbf{w}$$
 =6 , h =7 , x =24 , y =0 , v =42

$$w$$
 =10 , h =4 , x =20 , y =13 , v =40

$$w$$
 =10 , h =4 , x =5 , y =18 , v =40

$$w = 6$$
, $h = 6$, $x = 17$, $y = 7$, $v = 36$

$$w = 5$$
, $h = 7$, $x = 0$, $y = 23$, $v = 35$

$$w = 8$$
, $h = 4$, $x = 15$, $y = 18$, $v = 32$
 $w = 8$, $h = 4$, $x = 7$, $y = 22$, $v = 32$

$$w = 6$$
, $h = 1$, $x = 7$, $y = 22$, $v = 62$
 $w = 6$, $h = 5$, $x = 14$, $y = 13$, $v = 30$

$$w = 4$$
, $h = 7$, $x = 15$, $y = 23$, $v = 28$

```
\mathbf{w} =4 , h =6 , x =23 , y =19 , v =24
```

$$\mathbf{w}$$
 =7 , h =3 , x =23 , y =7 , v =21

$$w = 7$$
, $h = 3$, $x = 23$, $y = 10$, $v = 21$

$$w = 3$$
, $h = 7$, $x = 19$, $y = 23$, $v = 21$

$$w = 2$$
, $h = 5$, $x = 23$, $y = 25$, $v = 10$

$$w = 3$$
, $h = 6$, $x = 27$, $y = 19$, $v = 18$

$$w = 4$$
, $h = 4$, $x = 7$, $y = 26$, $v = 16$

$$\mathbf{w}$$
 =2 , h =8 , x =5 , y =22 , v =16

$$w = 10$$
, $h = 1$, $x = 20$, $y = 17$, $v = 10$

$$w = 4$$
, $h = 5$, $x = 25$, $y = 25$, $v = 20$

$$w = 8$$
, $h = 1$, $x = 15$, $y = 22$, $v = 8$

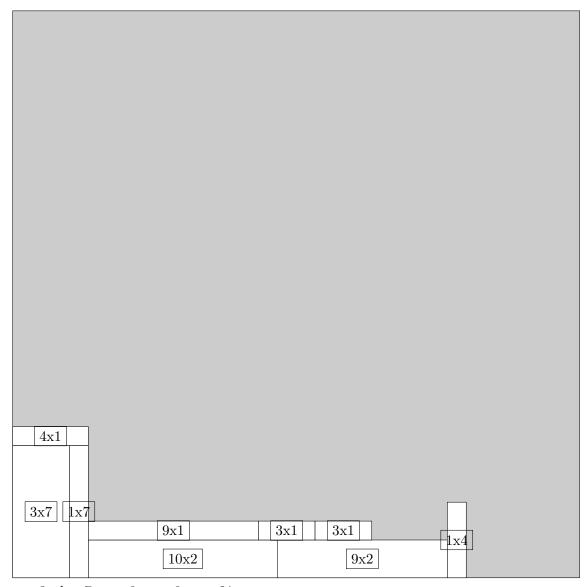
$$w=2$$
 , $h=4$, $x=\!11$, $y=\!26$, $v=\!8$

$$w = 2$$
, $h = 4$, $x = 13$, $y = 26$, $v = 8$

$$w = 7$$
, $h = 1$, $x = 23$, $y = 18$, $v = 7$

$$\mathbf{w}$$
 =1 , h =7 , x =22 , y =23 , v =7

$$w=1$$
 , $h=\!5$, $x=\!29$, $y=\!25$, $v=\!5$



$$\begin{array}{l} w=3\ ,\ h=7\ ,\ x=0\ ,\ y=0\ ,\ v=21\\ w=10\ ,\ h=2\ ,\ x=4\ ,\ y=0\ ,\ v=20\\ w=9\ ,\ h=2\ ,\ x=14\ ,\ y=0\ ,\ v=18\\ w=9\ ,\ h=1\ ,\ x=4\ ,\ y=2\ ,\ v=9\\ w=1\ ,\ h=7\ ,\ x=3\ ,\ y=0\ ,\ v=7\\ w=4\ ,\ h=1\ ,\ x=0\ ,\ y=7\ ,\ v=4\\ w=1\ ,\ h=4\ ,\ x=23\ ,\ y=0\ ,\ v=4\\ w=3\ ,\ h=1\ ,\ x=13\ ,\ y=2\ ,\ v=3\\ w=3\ ,\ h=1\ ,\ x=16\ ,\ y=2\ ,\ v=3 \end{array}$$