$ClassName: \ Class\_02.2bp-26$ 

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

TypeNum:  $\underline{48}$ Num:  $\underline{60}$ OutS:  $\underline{1800}$ InS:  $\underline{1480}$ Rate:  $\underline{0.822}$ 

UB: **2** LB0: **2** LB: **2** 

LBWithCut:  $\underline{\mathbf{2}}$ NodeCut:  $\underline{\mathbf{0}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{2}}$ 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: 0.067 sTotalTime: 0.121 s

2x2 1x21x21x2	7x1	1x1 x1	6x1		6x1			
[7x9]	3x6	2x6 2x6	[7x7]		4x7	2x8	3x8	
		7x3		8x3		8x5		
9x8	3	8x8		5x8		[8x6]		
4x2	4x2 7x2		9x2		[10x3]			
10x9			10x9			10x8		

```
w = 10, h = 9, x = 0, y = 0, v = 90
w = 10, h = 9, x = 10, y = 0, v = 90
w = 10, h = 8, x = 20, y = 0, v = 80
w = 9, h = 8, x = 0, y = 11, v = 72
w = 8, h = 8, x = 9, y = 11, v = 64
w =7 , h =9 , x =0 , y =19 , v =63
w = 7, h = 7, x = 14, y = 22, v = 49
w = 8, h = 6, x = 22, y = 11, v = 48
w=8 , h=\!5 , x=\!22 , y=\!17 , v=\!40
w =5 , h =8 , x =17 , y =11 , v =40
\le =10 , h=3 , x=20 , y=8 , v=30
w = 4, h = 7, x = 21, y = 22, v = 28
w = 8, h = 3, x = 14, y = 19, v = 24
w = 3, h = 8, x = 27, y = 22, v = 24
w = 7, h = 3, x = 7, y = 19, v = 21
w = 9, h = 2, x = 11, y = 9, v = 18
```

```
w = 3, h = 6, x = 7, y = 22, v = 18
```

$$w=2$$
 ,  $h=\!8$  ,  $x=\!25$  ,  $y=\!22$  ,  $v=\!16$ 

$$w = 7$$
,  $h = 2$ ,  $x = 4$ ,  $y = 9$ ,  $v = 14$ 

$$w = 2$$
,  $h = 6$ ,  $x = 10$ ,  $y = 22$ ,  $v = 12$ 

$$\mathbf{w}$$
 =2 , h =6 , x =12 , y =22 , v =12

$$w = 2$$
,  $h = 0$ ,  $x = 12$ ,  $y = 22$ ,  $v = 1$   
 $w = 7$ ,  $h = 1$ ,  $x = 5$ ,  $y = 29$ ,  $v = 7$ 

$$w = 9$$
,  $h = 1$ ,  $x = 5$ ,  $y = 28$ ,  $v = 9$ 

$$\mathbf{w}$$
 =4 , h =2 , x =0 , y =9 , v =8

$$w = 6$$
,  $h = 1$ ,  $x = 13$ ,  $y = 29$ ,  $v = 6$ 

$$\mathbf{w}$$
 =6 , h =1 , x =19 , y =29 , v =6

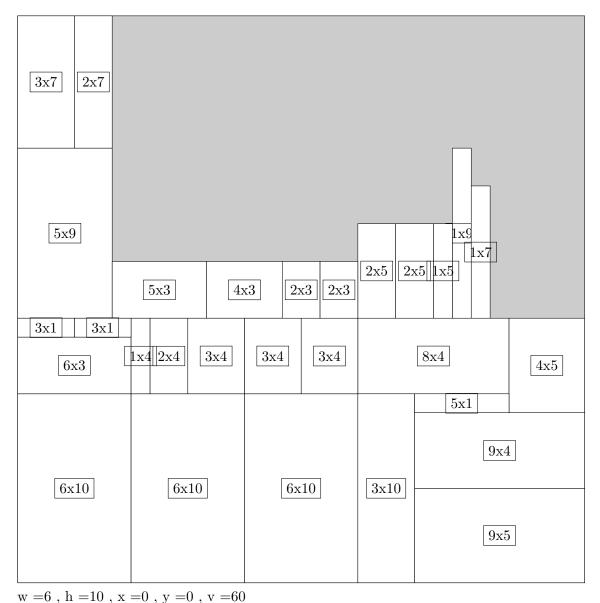
$$w = 2$$
,  $h = 2$ ,  $x = 0$ ,  $y = 28$ ,  $v = 4$ 

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

$$\mathbf{w}$$
 =1 , h =2 , x =3 , y =28 , v =2

$$\mathbf{w} = \! 1$$
 ,  $\mathbf{h} = \! 2$  ,  $\mathbf{x} = \! 4$  ,  $\mathbf{y} = \! 28$  ,  $\mathbf{v} = \! 2$ 

$$\mathbf{w} = \! 1$$
 ,  $\mathbf{h} = \! 1$  ,  $\mathbf{x} = \! 12$  ,  $\mathbf{y} = \! 29$  ,  $\mathbf{v} = \! 1$ 



```
\begin{array}{l} w=6\;,\;h=10\;,\;x=6\;,\;y=0\;,\;v=60\\ w=6\;,\;h=10\;,\;x=12\;,\;y=0\;,\;v=60\\ w=9\;,\;h=5\;,\;x=21\;,\;y=0\;,\;v=45\\ w=5\;,\;h=9\;,\;x=0\;,\;y=14\;,\;v=45\\ w=9\;,\;h=4\;,\;x=21\;,\;y=5\;,\;v=36\\ w=8\;,\;h=4\;,\;x=18\;,\;y=10\;,\;v=32\\ w=3\;,\;h=10\;,\;x=18\;,\;y=0\;,\;v=30\\ w=3\;,\;h=7\;,\;x=0\;,\;y=23\;,\;v=21\\ w=4\;,\;h=5\;,\;x=26\;,\;y=9\;,\;v=20\\ w=6\;,\;h=3\;,\;x=0\;,\;y=10\;,\;v=18\\ w=5\;,\;h=3\;,\;x=5\;,\;y=14\;,\;v=15\\ w=2\;,\;h=7\;,\;x=3\;,\;y=23\;,\;v=14\\ w=4\;,\;h=3\;,\;x=10\;,\;y=14\;,\;v=12\\ w=3\;,\;h=4\;,\;x=15\;,\;y=10\;,\;v=12\\ w=3\;,\;h=4\;,\;x=15\;,\;y=10\;,\;v=12\\ \end{array}
```

```
w = 3, h = 4, x = 9, y = 10, v = 12
```

$$w = 2$$
,  $h = 5$ ,  $x = 18$ ,  $y = 14$ ,  $v = 10$ 

$$w = 1$$
,  $h = 9$ ,  $x = 23$ ,  $y = 14$ ,  $v = 9$ 

$$\mathbf{w}$$
 =2 , h =4 , x =7 , y =10 , v =8

$$w$$
 =2 , h =5 , x =20 , y =14 , v =10

$$w = 1$$
,  $h = 7$ ,  $x = 24$ ,  $y = 14$ ,  $v = 7$ 

$$w=2$$
 ,  $h=3$  ,  $x=\!14$  ,  $y=\!14$  ,  $v=\!6$ 

$$w$$
 =2 , h =3 , x =  
16 , y =  
14 , v =  
6

$$w = 5$$
,  $h = 1$ ,  $x = 21$ ,  $y = 9$ ,  $v = 5$ 

$$w=1$$
 ,  $h=4$  ,  $x=6$  ,  $y=\!10$  ,  $v=\!4$ 

$$w = 3, h = 1, x = 3, y = 13, v = 3$$

$$\mathbf{w}$$
 =3 , h =1 , x =0 , y =13 , v =3