$ClassName: \ Class\_02.2bp-32$ 

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

TypeNum:  $\underline{58}$ Num:  $\underline{80}$ OutS:  $\underline{2700}$ InS:  $\underline{2298}$ Rate:  $\underline{0.851}$ 

UB: <u>3</u> LB: <u>3</u>

LBWithCut:  $\underline{\mathbf{3}}$  NodeCount:  $\underline{\mathbf{0}}$  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:  $\underline{\mathbf{true}}$ 

TimeOnPrimal:  $\underline{0.000 \text{ s}}$ TimeOnPricing:  $\underline{0.000 \text{ s}}$ TimeOnRmp:  $\underline{0.047 \text{ s}}$ TotalTime:  $\underline{0.203 \text{ s}}$ 

10x6	9x6	10x6
5x6 6x6	9x9	10x9
1x6 10x6	2x1	10.10
1x7 10x7	2x9 2x10 5x10	10x10
1x4 5x5 7x5	[7x5]	10x5

$$\begin{array}{l} w=7\ ,\ h=5\ ,\ x=13\ ,\ y=0\ ,\ v=35\\ w=7\ ,\ h=5\ ,\ x=6\ ,\ y=0\ ,\ v=35\\ w=5\ ,\ h=5\ ,\ x=1\ ,\ y=0\ ,\ v=25\\ w=1\ ,\ h=4\ ,\ x=0\ ,\ y=0\ ,\ v=4\\ w=10\ ,\ h=10\ ,\ x=20\ ,\ y=5\ ,\ v=100\\ w=10\ ,\ h=6\ ,\ x=20\ ,\ y=24\ ,\ v=60\\ w=5\ ,\ h=10\ ,\ x=15\ ,\ y=5\ ,\ v=50\\ \end{array}$$

w = 10, h = 5, x = 20, y = 0, v = 50

$$w = 2$$
,  $h = 3$ ,  $x = 11$ ,  $y = 6$ ,  $v = 16$   
 $w = 2$ ,  $h = 1$ ,  $x = 11$ ,  $y = 14$ ,  $v = 2$ 

$$w = 2$$
,  $h = 1$ ,  $x = 11$ ,  $y = 14$ ,  $v = 2$ 

$$w$$
 =9 ,  $h$  =9 ,  $x$  =11 ,  $y$  =15 ,  $v$  =81

$$w = 1, h = 7, x = 0, y = 5, v = 7$$

 $\begin{array}{l} w = & 10 \;,\; h = & 6 \;,\; x = & 1 \;,\; y = & 12 \;,\; v = & 60 \\ w = & 1 \;,\; h = & 6 \;,\; x = & 0 \;,\; y = & 12 \;,\; v = & 6 \\ w = & 6 \;,\; h = & 6 \;,\; x = & 5 \;,\; y = & 18 \;,\; v = & 36 \\ w = & 5 \;,\; h = & 6 \;,\; x = & 0 \;,\; y = & 18 \;,\; v = & 30 \\ w = & 10 \;,\; h = & 6 \;,\; x = & 1 \;,\; y = & 24 \;,\; v = & 60 \end{array}$ 

1x2 3x2			8x1		
[5x4]	[6x7]	3x10	8x9		8x10
	2x1 4x1				
[5x8]	2x7 4x7	2x1   2x3	[7x4]	2x5	8x5
5x9	6x8		9x9	3x8	7x8
[5x7]	5x7	[5x7]	7x7		8x7

$$w = 8$$
,  $h = 7$ ,  $x = 22$ ,  $y = 0$ ,  $v = 56$ 

$$\mathbf{w}$$
 =5 , h =7 , x =10 , y =0 , v =35

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

$$\mathbf{w}$$
 =5 , h =7 , x =0 , y =0 , v =35

$$w = 7$$
,  $h = 8$ ,  $x = 23$ ,  $y = 7$ ,  $v = 56$ 

$$w = 3$$
,  $h = 8$ ,  $x = 20$ ,  $y = 7$ ,  $v = 24$ 

$$w=\!8$$
 ,  $h=\!5$  ,  $x=\!22$  ,  $y=\!15$  ,  $v=\!40$ 

$$w = 2$$
,  $h = 5$ ,  $x = 20$ ,  $y = 15$ ,  $v = 10$ 

$$w = 9$$
,  $h = 9$ ,  $x = 11$ ,  $y = 7$ ,  $v = 81$ 

$$w$$
 =7 , h =4 , x =13 , y =16 , v =28

$$w = 2$$
,  $h = 3$ ,  $x = 11$ ,  $y = 16$ ,  $v = 6$ 

$$w = 2$$
,  $h = 1$ ,  $x = 11$ ,  $y = 19$ ,  $v = 2$   
 $w = 8$ ,  $h = 10$ ,  $x = 22$ ,  $y = 20$ ,  $v = 80$ 

$$w = 8$$
,  $h = 9$ ,  $x = 14$ ,  $y = 20$ ,  $v = 72$ 

$$w = 8$$
,  $h = 1$ ,  $x = 14$ ,  $y = 29$ ,  $v = 8$ 

w = 7, h = 7, x = 15, y = 0, v = 49

$$w$$
 =3 , h =10 , x =11 , y =20 , v =30

$$w = 6$$
,  $h = 8$ ,  $x = 5$ ,  $y = 7$ ,  $v = 48$ 

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

$$\mathbf{w}$$
 =4 , h =1 , x =7 , y =22 , v =4

$$\mathbf{w}$$
 =2 , h =7 , x =5 , y =15 , v =14

$$w = 2$$
,  $h = 1$ ,  $x = 5$ ,  $y = 22$ ,  $v = 2$ 

$$\mathbf{w}$$
 =6 , h =7 , x =5 , y =23 , v =42

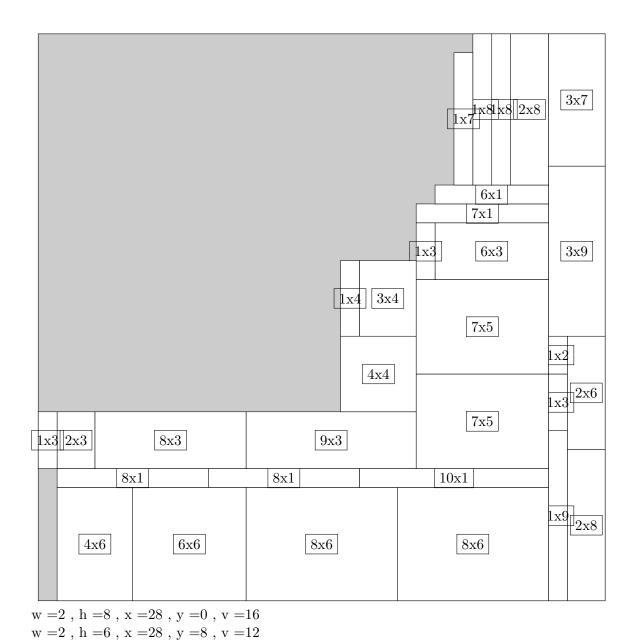
$$\mathbf{w}$$
 =5 , h =9 , x =0 , y =7 , v =45

$$w = 5$$
,  $h = 8$ ,  $x = 0$ ,  $y = 16$ ,  $v = 40$ 

$$\mathbf{w}$$
 =5 , h =4 , x =0 , y =24 , v =20

$$\mathbf{w}$$
 =3 , h =2 , x =2 , y =28 , v =6

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



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w = 2, h = 0, x = 26, y = 6, v = 12

w = 1, h = 9, x = 27, y = 0, v = 9

w = 1, h = 3, x = 27, y = 9, v = 3

w = 1, h = 2, x = 27, y = 12, v = 2

w = 3, h = 9, x = 27, y = 14, v = 27

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

w = 8, h = 6, x = 19, y = 0, v = 48

w = 8, h = 6, x = 11, y = 0, v = 48

w = 6, h = 6, x = 11, y = 0, v = 36

w = 4, h = 6, x = 1, y = 0, v = 24

w = 10, h = 1, x = 17, y = 6, v = 10

w = 8, h = 1, x = 17, y = 6, v = 8

w = 8, h = 1, x = 1, y = 6, v = 8

w = 7, h = 5, x = 20, y = 7, v = 35
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w = 7, h = 5, x = 20, y = 12, v = 35

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\begin{array}{l} w=6\;,\;h=3\;,\;x=21\;,\;y=17\;,\;v=18\\ w=1\;,\;h=3\;,\;x=20\;,\;y=17\;,\;v=3\\ w=7\;,\;h=1\;,\;x=20\;,\;y=20\;,\;v=7\\ w=6\;,\;h=1\;,\;x=21\;,\;y=21\;,\;v=6\\ w=2\;,\;h=8\;,\;x=25\;,\;y=22\;,\;v=16\\ w=1\;,\;h=8\;,\;x=24\;,\;y=22\;,\;v=8\\ w=1\;,\;h=8\;,\;x=23\;,\;y=22\;,\;v=8\\ w=1\;,\;h=8\;,\;x=23\;,\;y=22\;,\;v=8\\ w=1\;,\;h=7\;,\;x=22\;,\;y=22\;,\;v=7\\ w=9\;,\;h=3\;,\;x=11\;,\;y=7\;,\;v=27\\ w=8\;,\;h=3\;,\;x=11\;,\;y=7\;,\;v=27\\ w=2\;,\;h=3\;,\;x=1\;,\;y=7\;,\;v=6\\ w=1\;,\;h=3\;,\;x=0\;,\;y=7\;,\;v=3\\ w=4\;,\;h=4\;,\;x=16\;,\;y=10\;,\;v=16\\ w=3\;,\;h=4\;,\;x=17\;,\;y=14\;,\;v=12\\ \end{array}
```

w=1 ,  $h=\!\!4$  ,  $x=\!\!16$  ,  $y=\!\!14$  ,  $v=\!\!4$