$ClassName: \ Class\_02.2bp\text{-}39$ 

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

TypeNum:  $\underline{58}$ Num:  $\underline{80}$ OutS:  $\underline{2700}$ InS:  $\underline{2426}$ Rate:  $\underline{0.899}$ 

UB: **3** LB0: **3** LB: **3** 

LBWithCut:  $\underline{\mathbf{3}}$  NodeCut:  $\underline{\mathbf{0}}$ 

ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ 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:  $\underline{\mathbf{true}}$ 

TimeOnInitSolution:  $\underline{600.000 \text{ s}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.313 s

		1x4 6x4	3x2	[10x1]
5x10	5x10	7x7	3x9	10x10
3x1 3x9	6x10	8x10	3x10	10x10
4x9	8x9		0x2 0x7	9x9

$$w = 9$$
,  $h = 9$ ,  $x = 21$ ,  $y = 0$ ,  $v = 81$ 

$$\mathbf{w}$$
 =9 , h =2 , x =12 , y =7 , v =18

$$w = 8$$
,  $h = 9$ ,  $x = 4$ ,  $y = 0$ ,  $v = 72$ 

$$\mathbf{w}=\!\!4$$
 ,  $\mathbf{h}=\!\!9$  ,  $\mathbf{x}=\!\!0$  ,  $\mathbf{y}=\!\!0$  ,  $\mathbf{v}=\!\!36$ 

$$w=\!10$$
 ,  $h=\!10$  ,  $x=\!20$  ,  $y=\!9$  ,  $v=\!100$ 

$$w = 10$$
,  $h = 10$ ,  $x = 20$ ,  $y = 19$ ,  $v = 100$ 

$$w = 10$$
,  $h = 1$ ,  $x = 20$ ,  $y = 29$ ,  $v = 10$ 

$$w = 3$$
,  $h = 10$ ,  $x = 17$ ,  $y = 9$ ,  $v = 30$ 

$$\le =3$$
 , h =9 , x =17 , y =19 , v =27

$$w$$
 =3 , h =2 , x =17 , y =28 , v =6

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

$$w = 6$$
,  $h = 10$ ,  $x = 3$ ,  $y = 9$ ,  $v = 60$ 

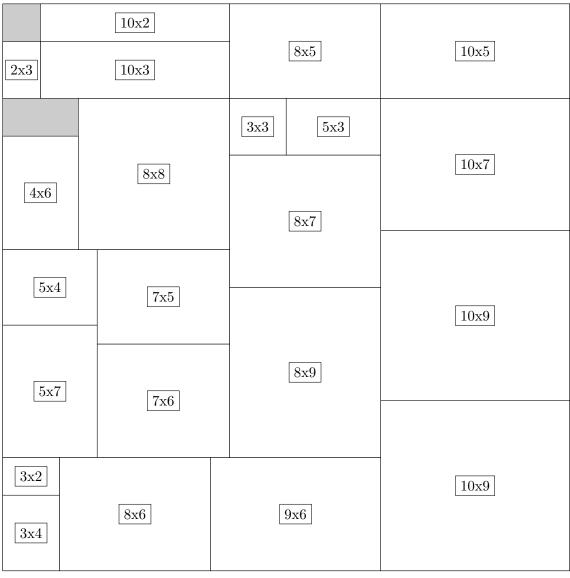
$$w = 3$$
,  $h = 9$ ,  $x = 0$ ,  $y = 9$ ,  $v = 27$ 

$$w = 3$$
,  $h = 1$ ,  $x = 0$ ,  $y = 18$ ,  $v = 3$ 

$$w$$
 =7 ,  $h$  =7 ,  $x$  =10 ,  $y$  =19 ,  $v$  =49

 $<sup>\</sup>le =9$  , h =7 , x =12 , y =0 , v =63

 $\begin{array}{l} w = 6 \ , \ h = 4 \ , \ x = 11 \ , \ y = 26 \ , \ v = 24 \\ w = 1 \ , \ h = 4 \ , \ x = 10 \ , \ y = 26 \ , \ v = 4 \\ w = 5 \ , \ h = 10 \ , \ x = 5 \ , \ y = 19 \ , \ v = 50 \\ w = 5 \ , \ h = 10 \ , \ x = 0 \ , \ y = 19 \ , \ v = 50 \end{array}$ 



$$w = 10$$
,  $h = 9$ ,  $x = 20$ ,  $y = 0$ ,  $v = 90$ 

$$w = 10$$
,  $h = 9$ ,  $x = 20$ ,  $y = 9$ ,  $v = 90$ 

$$\mathbf{w}$$
 =10 , h =7 , x =20 , y =18 , v =70

$$w$$
 =9 , h =6 , x =11 , y =0 , v =  
54  $\,$ 

$$w = 8$$
,  $h = 6$ ,  $x = 3$ ,  $y = 0$ ,  $v = 48$ 

$$w = 3$$
,  $h = 4$ ,  $x = 0$ ,  $y = 0$ ,  $v = 12$ 

$$\mathbf{w}$$
 =3 , h =2 , x =0 , y =4 , v =6

$$w = 8$$
,  $h = 9$ ,  $x = 12$ ,  $y = 6$ ,  $v = 72$   
 $w = 8$ ,  $h = 7$ ,  $x = 12$ ,  $y = 15$ ,  $v = 56$ 

$$w = 3$$
,  $h = 3$ ,  $x = 13$ ,  $y = 22$ ,  $v = 1$ 

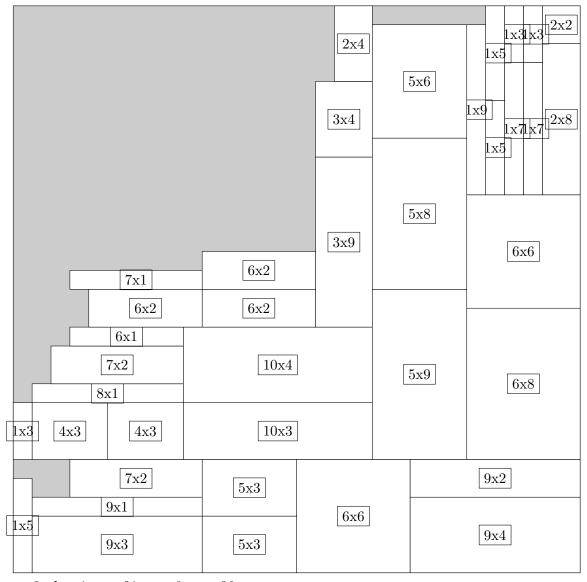
$$w = 3$$
,  $h = 3$ ,  $x = 12$ ,  $y = 22$ ,  $v = 9$ 

$$\mathbf{w}$$
 =5 , h =7 , x =0 , y =6 , v =35

$$w = 5$$
,  $h = 4$ ,  $x = 0$ ,  $y = 13$ ,  $v = 20$ 

$$w$$
 =8 , h =8 , x =4 , y =17 , v =64

 $\begin{array}{l} w=4\ ,\ h=6\ ,\ x=0\ ,\ y=17\ ,\ v=24\\ w=10\ ,\ h=5\ ,\ x=20\ ,\ y=25\ ,\ v=50\\ w=8\ ,\ h=5\ ,\ x=12\ ,\ y=25\ ,\ v=40\\ w=10\ ,\ h=3\ ,\ x=2\ ,\ y=25\ ,\ v=30\\ w=2\ ,\ h=3\ ,\ x=0\ ,\ y=25\ ,\ v=6\\ w=10\ ,\ h=2\ ,\ x=2\ ,\ y=28\ ,\ v=20\\ \end{array}$ 



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w =9 , h =4 , x =21 , y =0 , v =36
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$$w$$
 =9 , h =2 , x =21 , y =4 , v =18

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

$$\mathbf{w}$$
 =5 , h =3 , x =10 , y =0 , v =15

$$w = 5$$
,  $h = 3$ ,  $x = 10$ ,  $y = 3$ ,  $v = 15$ 

$$w = 9$$
,  $h = 3$ ,  $x = 1$ ,  $y = 0$ ,  $v = 27$ 

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

$$\mathbf{w}$$
 =7 , h =2 , x =3 , y =4 , v =14

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

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

$$w = 6$$
,  $h = 6$ ,  $x = 24$ ,  $y = 14$ ,  $v = 36$ 

$$\mathbf{w}$$
 =2 , h =8 , x =28 , y =20 , v =16

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

$$\mathbf{w}$$
 =1 , h =7 , x =27 , y =20 , v =7

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

$$w = 1$$
,  $h = 7$ ,  $x = 26$ ,  $y = 20$ ,  $v = 7$ 

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w = 1, h = 3, x = 26, y = 27, v = 3
w = 1, h = 5, x = 25, y = 20, v = 5
w = 1, h = 5, x = 25, y = 25, v = 5
w = 1, h = 9, x = 24, y = 20, v = 9
w = 5, h = 9, x = 19, y = 6, v = 45
w = 5, h = 8, x = 19, y = 15, v = 40
w = 5, h = 6, x = 19, y = 23, v = 30
w=\!10 , h=\!3 , x=\!9 , y=\!6 , v=\!30
w = 4, h = 3, x = 5, y = 6, v = 12
w = 4, h = 3, x = 1, y = 6, v = 12
w = 1, h = 3, x = 0, y = 6, v = 3
w = 10, h = 4, x = 9, y = 9, v = 40
w = 8, h = 1, x = 1, y = 9, v = 8
w = 7, h = 2, x = 2, y = 10, v = 14
w = 6, h = 1, x = 3, y = 12, v = 6
w = 3, h = 9, x = 16, y = 13, v = 27
w = 3, h = 4, x = 16, y = 22, v = 12
w = 2, h = 4, x = 17, y = 26, v = 8
w = 6, h = 2, x = 10, y = 13, v = 12
w = 6, h = 2, x = 4, y = 13, v = 12
\mathbf{w} =6 , h =2 , x =10 , y =15 , v =12
w = 7, h = 1, x = 3, y = 15, v = 7
```