$ClassName: \ Class_01.2bp-44$

 $\begin{array}{ll} \text{BinSize: } \underline{\mathbf{10} \times \mathbf{10}} \\ \text{ReduceSize: } \underline{\mathbf{10} \times \mathbf{10}} \end{array}$

TypeNum: <u>64</u>
Num: <u>100</u>
OutS: <u>3200</u>
InS: <u>3015</u>
Rate: <u>0.942</u>
UB: <u>32</u>
LB0: <u>32</u>
LB: <u>32</u>

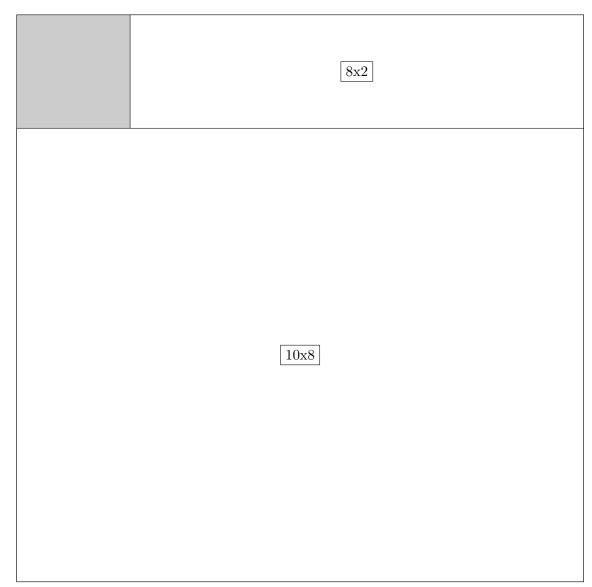
LBWithCut: $\underline{32}$ NodeCut: $\underline{0}$

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{32}}$ 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: $\underline{0.062 \text{ s}}$ TotalTime: $\underline{0.125 \text{ s}}$



5x2	5x2
	x8

 $\begin{array}{l} w = & 10 \ , \ h = & 8 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 80 \\ w = & 5 \ , \ h = & 2 \ , \ x = & 5 \ , \ y = & 8 \ , \ v = & 10 \\ w = & 5 \ , \ h = & 2 \ , \ x = & 0 \ , \ y = & 8 \ , \ v = & 10 \end{array}$



3x2	3x2	3x2
	9x8	1x8

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

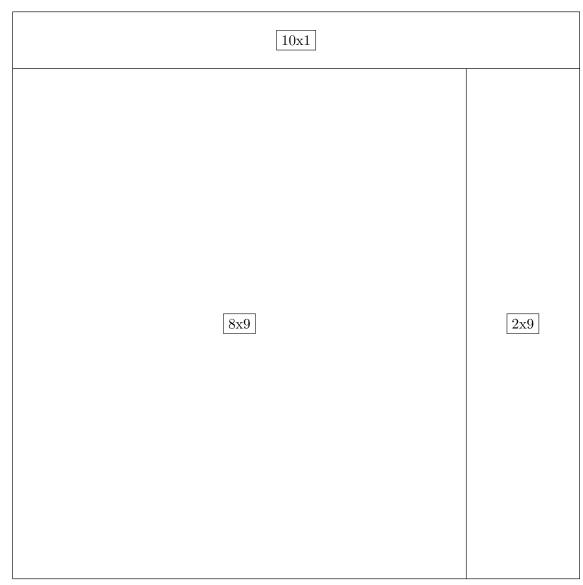
$$w = 3$$
, $h = 2$, $x = 7$, $y = 8$, $v = 6$

$$\mathbf{w}=3$$
 , $\mathbf{h}=2$, $\mathbf{x}=4$, $\mathbf{y}=8$, $\mathbf{v}=6$

$$w = 3$$
, $h = 2$, $x = 1$, $y = 8$, $v = 6$

 $[\]mathbf{w}$ =1 , h =8 , x =9 , y =0 , v =8

7x10	3x10



 $\begin{array}{l} w = 8 \; , \; h = 9 \; , \; x = 0 \; , \; y = 0 \; , \; v = 72 \\ w = 2 \; , \; h = 9 \; , \; x = 8 \; , \; y = 0 \; , \; v = 18 \\ w = 10 \; , \; h = 1 \; , \; x = 0 \; , \; y = 9 \; , \; v = 10 \end{array}$

9x1	
	2x1
8x9	2x8

$$\mathbf{w}$$
 =8 , h =9 , x =0 , y =0 , v =72

$$\le =2$$
 , h =8 , x =8 , y =0 , v =
16

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

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



9x1	
9x1	
9x8	1x9

$$\mathbf{w}$$
 =9 , h =8 , x =0 , y =0 , v =72

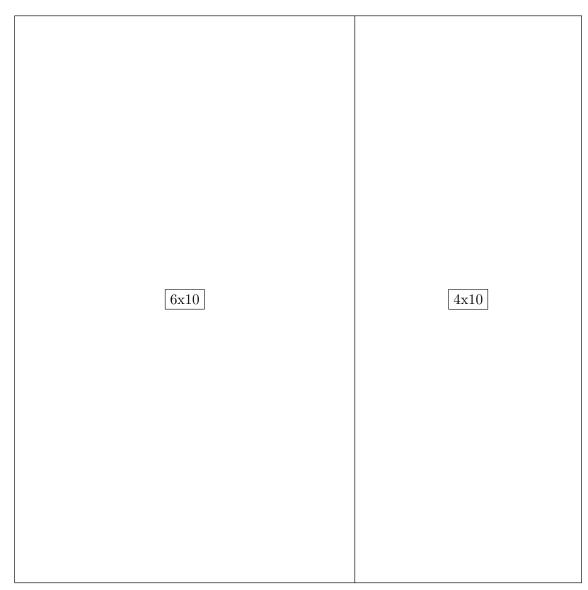
$$\mathbf{w}$$
 =9 , h =1 , x =0 , y =8 , v =9

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

$$\mathbf{w} = \! 1$$
 , $\mathbf{h} = \! 9$, $\mathbf{x} = \! 9$, $\mathbf{y} = \! 0$, $\mathbf{v} = \! 9$

7x1	
7x9	3x10

 $\begin{array}{l} w = 7 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 63 \\ w = 3 \ , \ h = 10 \ , \ x = 7 \ , \ y = 0 \ , \ v = 30 \\ w = 7 \ , \ h = 1 \ , \ x = 0 \ , \ y = 9 \ , \ v = 7 \end{array}$



w =6, h =10, x =0, y =0, v =60 w =4, h =10, x =6, y =0, v =40

1x1		
1x2	[7x3]	2x4
	8x7	2x6

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

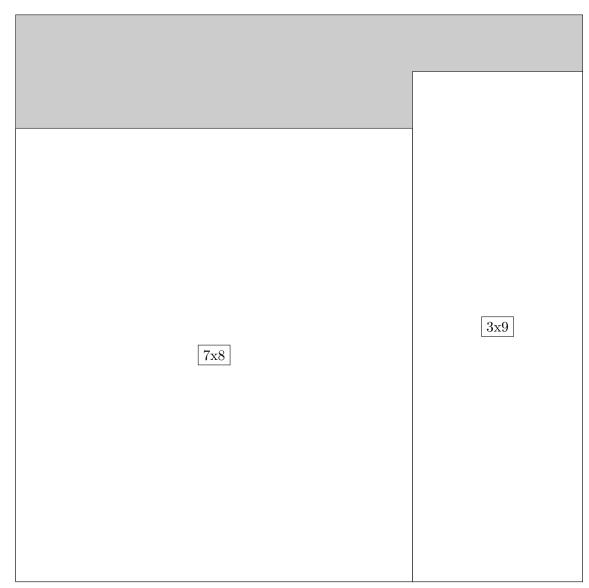
$$\mathbf{w}$$
 =7 , h =3 , x =1 , y =7 , v =21

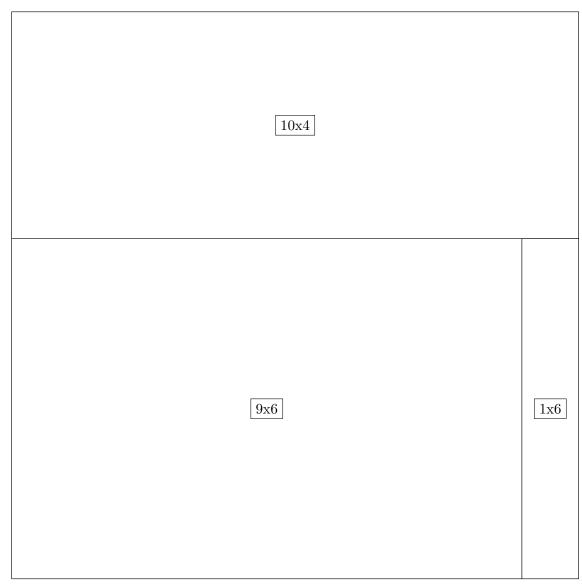
$$w = 2$$
, $h = 6$, $x = 8$, $y = 0$, $v = 12$

$$\mathbf{w}$$
 =2 , h =4 , x =8 , y =6 , v =8

$$w = 1$$
, $h = 2$, $x = 0$, $y = 7$, $v = 2$

$$\mathbf{w}$$
 =1 , h =1 , x =0 , y =9 , v =1





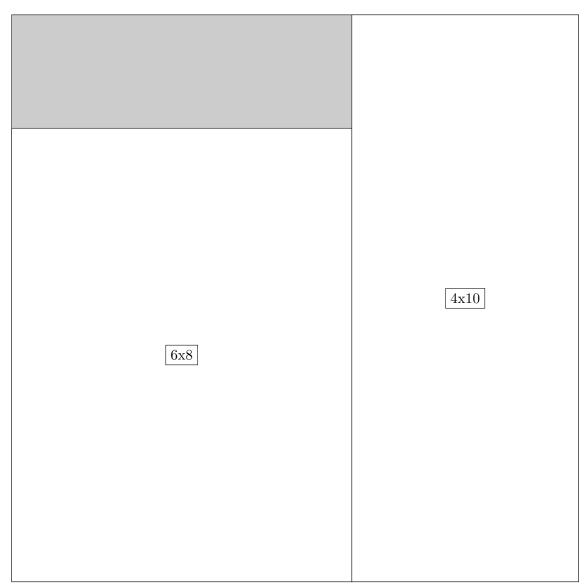
$$\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 54 \\ w = 10 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 40 \\ w = 1 \ , \ h = 6 \ , \ x = 9 \ , \ y = 0 \ , \ v = 6 \end{array}$$

4x10 6x9	5x1	
	6x9	4x10

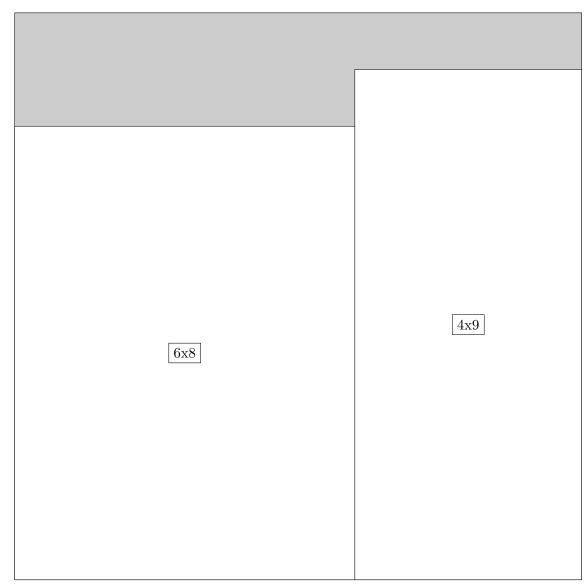
 $\begin{array}{l} w = 6 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 54 \\ w = 4 \ , \ h = 10 \ , \ x = 6 \ , \ y = 0 \ , \ v = 40 \\ w = 5 \ , \ h = 1 \ , \ x = 1 \ , \ y = 9 \ , \ v = 5 \end{array}$

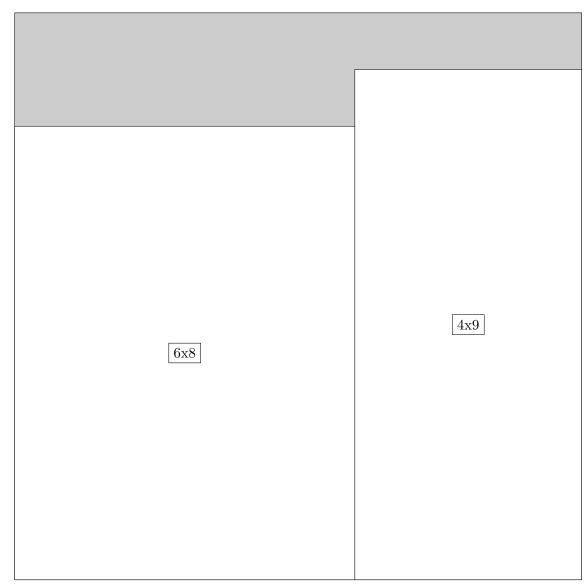
10x3	
7x7	3x7

$$\begin{array}{l} w = 7 \;,\; h = 7 \;,\; x = 0 \;,\; y = 0 \;,\; v = 49 \\ w = 10 \;,\; h = 3 \;,\; x = 0 \;,\; y = 7 \;,\; v = 30 \\ w = 3 \;,\; h = 7 \;,\; x = 7 \;,\; y = 0 \;,\; v = 21 \end{array}$$



w =6, h =8, x =0, y =0, v =48 w =4, h =10, x =6, y =0, v =40





[7x4]	2x6	
7x6	3x4	

$$w = 7$$
, $h = 6$, $x = 0$, $y = 0$, $v = 42$

$$\mathbf{w}$$
 =7 , h =4 , x =0 , y =6 , v =28

$$w = 3$$
 , $h = 4$, $x = 7$, $y = 0$, $v = 12$

$$\mathbf{w}$$
 =2 , h =6 , x =7 , y =4 , v =12

[7x4]	
7x6	3x3
	3x3

$$w = 7$$
, $h = 6$, $x = 0$, $y = 0$, $v = 42$

$$\mathbf{w}$$
 =7 , h =4 , x =0 , y =6 , v =28

$$\le 3$$
 , h =
3 , x =
7 , y =
0 , v =
9

6x3			
6x7	1x7	1x7	2x5
		42	x3

$$w = 6$$
, $h = 7$, $x = 0$, $y = 0$, $v = 42$

$$\mathbf{w}$$
 =6 , h =3 , x =0 , y =7 , v =
18

$$\mathbf{w}$$
 =4 , h =3 , x =6 , y =0 , v =12

$$\mathbf{w}$$
 =2 , h =5 , x =8 , y =3 , v =
10

$$\mathbf{w}=\!\!1$$
 , $\mathbf{h}=\!\!7$, $\mathbf{x}=\!\!6$, $\mathbf{y}=\!\!3$, $\mathbf{v}=\!\!7$

$$\mathbf{w}$$
 =1 , h =7 , x =7 , y =3 , v =7

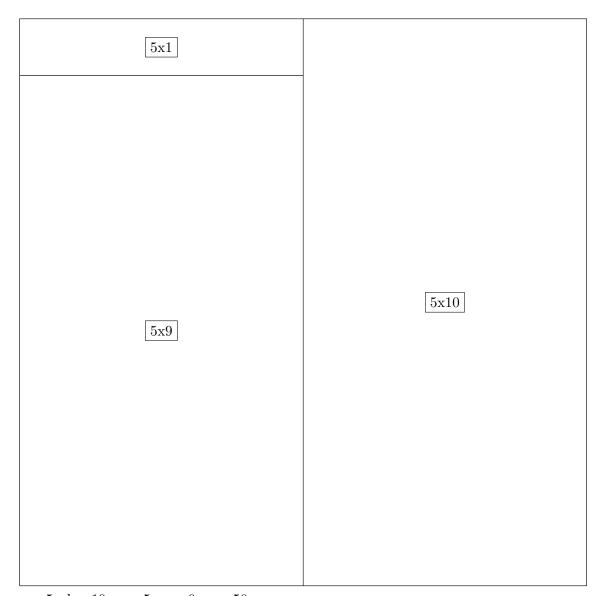
	[10x4]	
6x6		4x6

 $\begin{array}{l} w = \! 10 \ , \ h = \! 4 \ , \ x = \! 0 \ , \ y = \! 6 \ , \ v = \! 40 \\ w = \! 6 \ , \ h = \! 6 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 36 \\ w = \! 4 \ , \ h = \! 6 \ , \ x = \! 6 \ , \ y = \! 0 \ , \ v = \! 24 \end{array}$

	[10x4]	
6x6		4x6

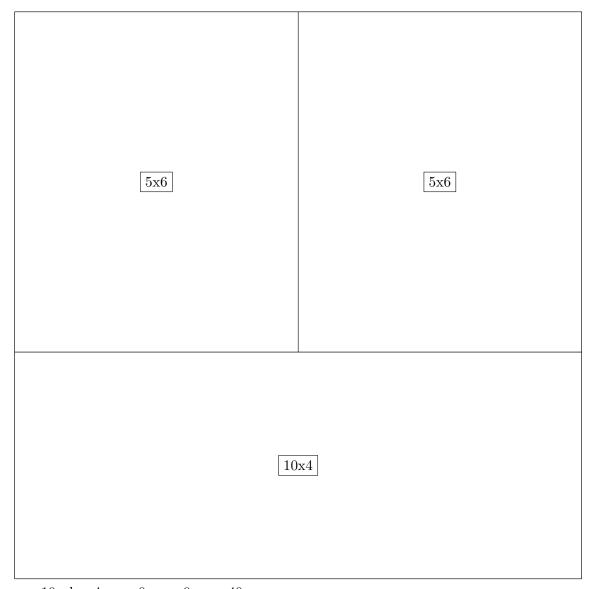
 $\begin{array}{l} w = \! 10 \ , \ h = \! 4 \ , \ x = \! 0 \ , \ y = \! 6 \ , \ v = \! 40 \\ w = \! 6 \ , \ h = \! 6 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 36 \\ w = \! 4 \ , \ h = \! 6 \ , \ x = \! 6 \ , \ y = \! 0 \ , \ v = \! 24 \end{array}$

$5\mathrm{x}10$	$5\mathrm{x}10$



 $\begin{array}{l} w = \! 5 \ , \ h = \! 10 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 50 \\ w = \! 5 \ , \ h = \! 9 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 45 \end{array}$

 \mathbf{w} =5 , h =1 , x =0 , y =9 , v =5



 $\begin{array}{l} w = & 10 \ , \ h = & 4 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 40 \\ w = & 5 \ , \ h = & 6 \ , \ x = & 5 \ , \ y = & 4 \ , \ v = & 30 \\ w = & 5 \ , \ h = & 6 \ , \ x = & 0 \ , \ y = & 4 \ , \ v = & 30 \end{array}$

9x4	
8x1	2x3
8x5	2x3

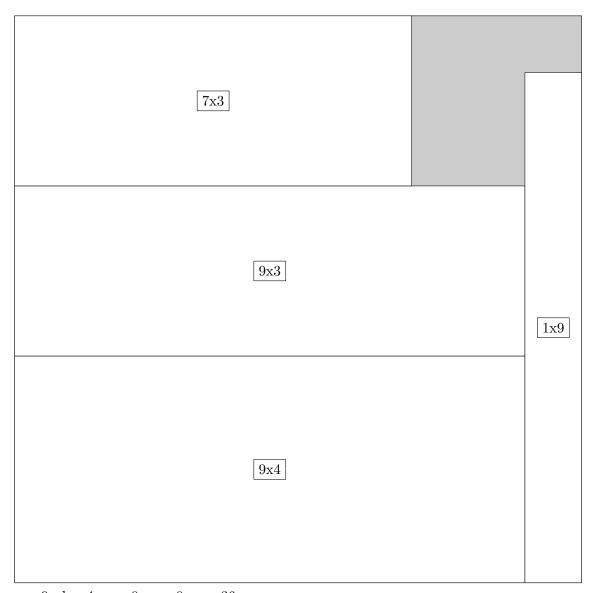
$$\mathbf{w}$$
 =8 , h =5 , x =0 , y =0 , v =40

$$\mathbf{w}$$
 =9 , h =4 , x =1 , y =6 , v =36

$$\mathbf{w}$$
 =8 , h =1 , x =0 , y =5 , v =8

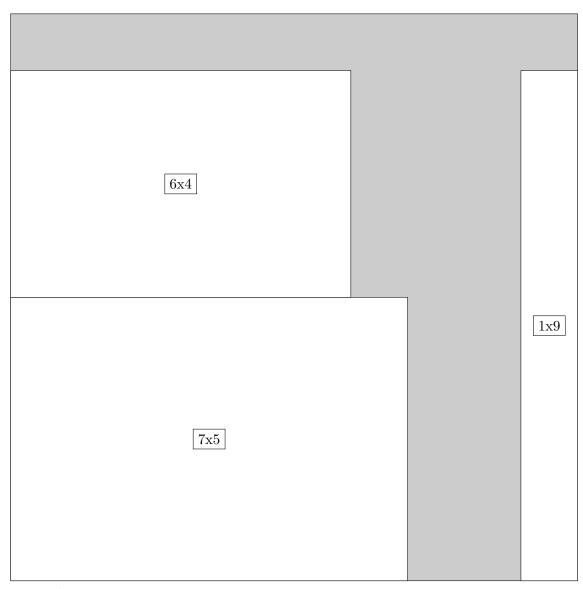
$$\mathbf{w}$$
 =2 , h =3 , x =8 , y =0 , v =6

$$w = 2$$
, $h = 3$, $x = 8$, $y = 3$, $v = 6$

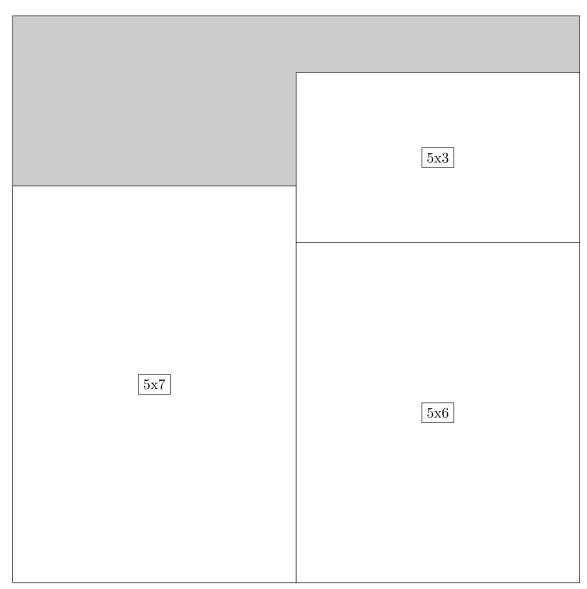


$$\begin{array}{l} w = 9 \ , \ h = 4 \ , \ x = 0 \ , \ y = 0 \ , \ v = 36 \\ w = 9 \ , \ h = 3 \ , \ x = 0 \ , \ y = 4 \ , \ v = 27 \\ w = 7 \ , \ h = 3 \ , \ x = 0 \ , \ y = 7 \ , \ v = 21 \end{array}$$

 \mathbf{w} =1 , h =9 , x =9 , y =0 , v =9



 $\begin{array}{l} w = 7 \ , \ h = 5 \ , \ x = 0 \ , \ y = 0 \ , \ v = 35 \\ w = 6 \ , \ h = 4 \ , \ x = 0 \ , \ y = 5 \ , \ v = 24 \\ w = 1 \ , \ h = 9 \ , \ x = 9 \ , \ y = 0 \ , \ v = 9 \end{array}$



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

w =5 , h =6 , x =5 , y =0 , v =30

 \mathbf{w} =5 , h =3 , x =5 , y =6 , v =15

