$ClassName: \ Class\_01.2bp-24$ 

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

TypeNum: <u>42</u> Num: <u>60</u> OutS: <u>1900</u> InS: <u>1649</u> Rate: <u>0.868</u> UB: <u>19</u> LB0: <u>19</u> LB: <u>19</u>

LBWithCut:  $\underline{\mathbf{19}}$ NodeCut:  $\underline{\mathbf{0}}$ 

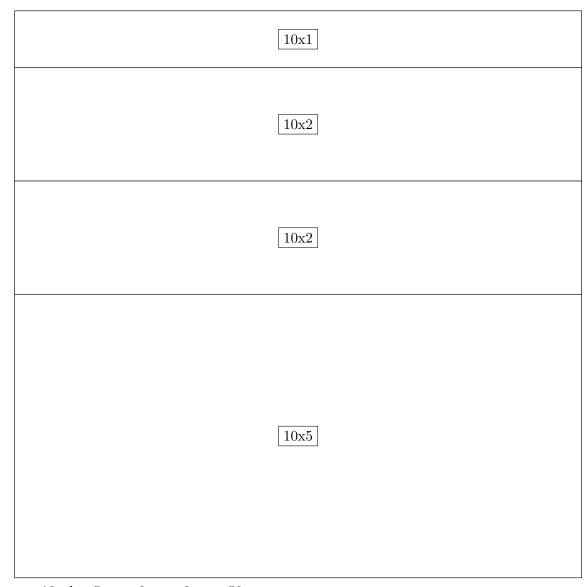
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{19}}$ 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: 0.063 sTotalTime: 600.329 s

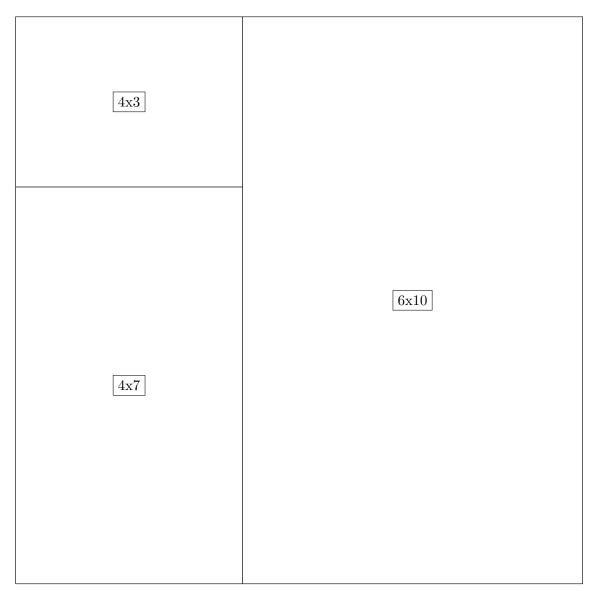


$$\le =10$$
 ,  $h$  =5 ,  $x$  =0 ,  $y$  =0 ,  $v$  =50

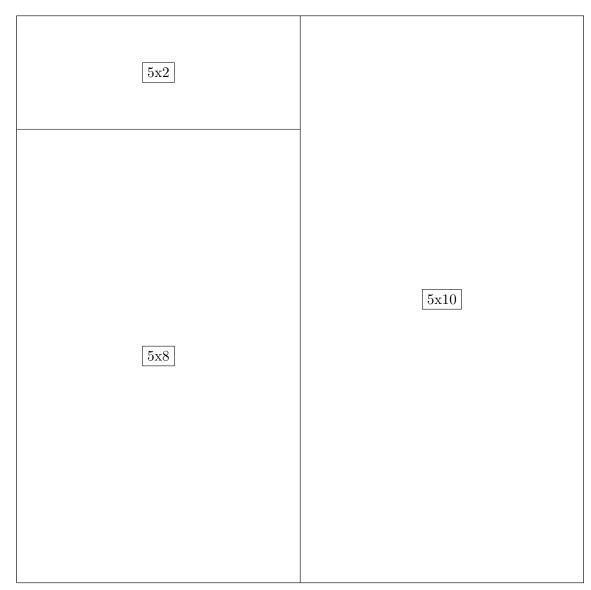
$$\le =10$$
 , h =2 , x =0 , y =5 , v =20

$$\le =10$$
 , h =2 , x =0 , y =7 , v =20

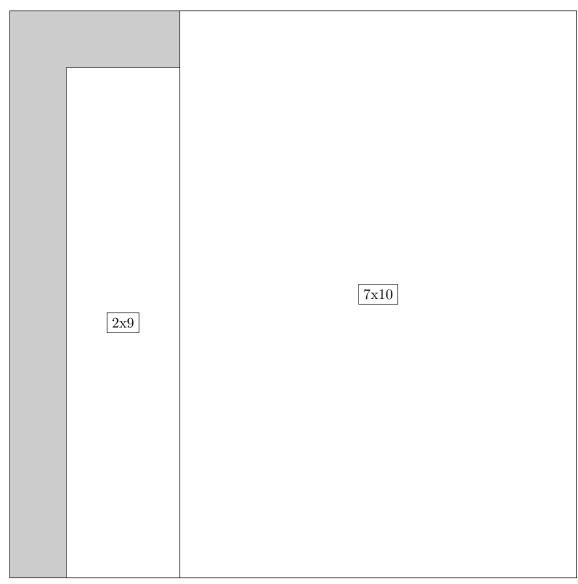
$$\mathbf{w}$$
 =10 , h =1 , x =0 , y =9 , v =10



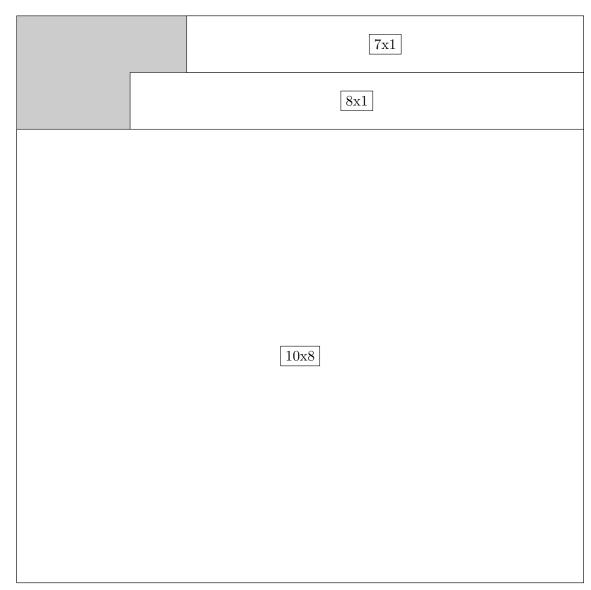
 $\begin{array}{l} w = 6 \ , \ h = \! 10 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 60 \\ w = \! 4 \ , \ h = \! 7 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 28 \\ w = \! 4 \ , \ h = \! 3 \ , \ x = \! 0 \ , \ y = \! 7 \ , \ v = \! 12 \end{array}$ 



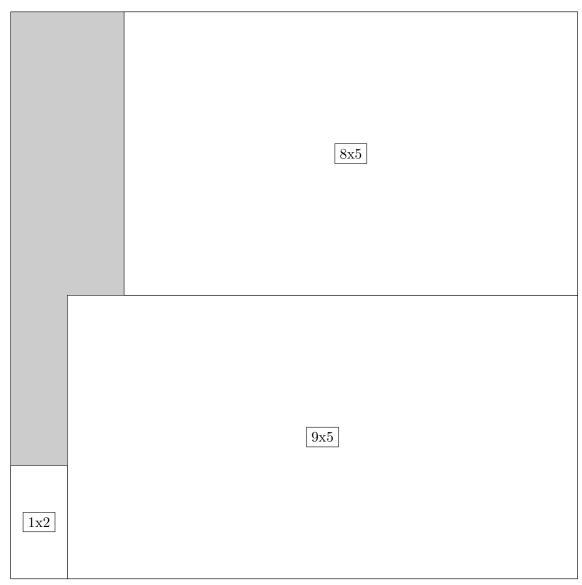
 $\begin{array}{l} w = \! 5 \ , \ h = \! 10 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 50 \\ w = \! 5 \ , \ h = \! 8 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 40 \\ w = \! 5 \ , \ h = \! 2 \ , \ x = \! 0 \ , \ y = \! 8 \ , \ v = \! 10 \end{array}$ 



 $\begin{array}{c} w = 7 \; , \; h = \! 10 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 70 \\ w = \! 2 \; , \; h = \! 9 \; , \; x = \! 1 \; , \; y = \! 0 \; , \; v = \! 18 \\ \end{array}$ 



$$\begin{array}{l} w = & 10 \ , \ h = & 8 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 80 \\ w = & 8 \ , \ h = & 1 \ , \ x = & 2 \ , \ y = & 8 \ , \ v = & 8 \\ w = & 7 \ , \ h = & 1 \ , \ x = & 3 \ , \ y = & 9 \ , \ v = & 7 \end{array}$$



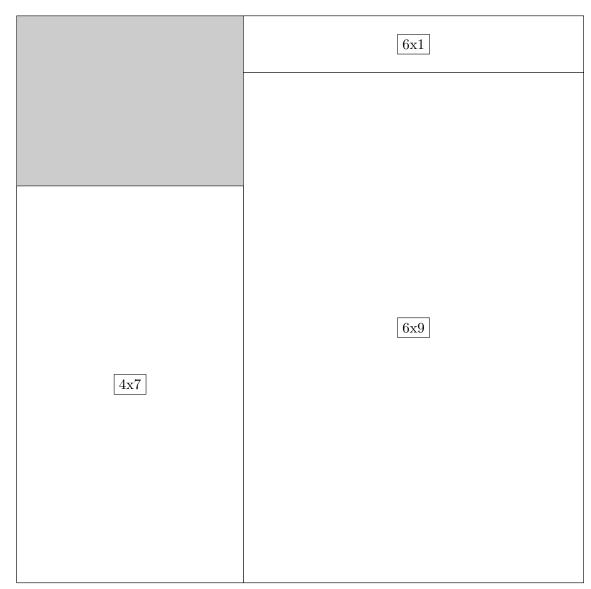
$$\begin{array}{l} w = 9 \ , \ h = 5 \ , \ x = 1 \ , \ y = 0 \ , \ v = 45 \\ w = 1 \ , \ h = 2 \ , \ x = 0 \ , \ y = 0 \ , \ v = 2 \\ w = 8 \ , \ h = 5 \ , \ x = 2 \ , \ y = 5 \ , \ v = 40 \end{array}$$

	[7x1]
4x9	6x9

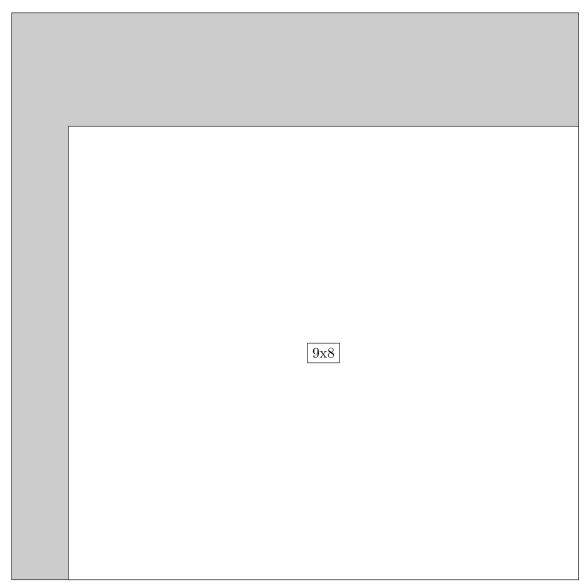
 $\begin{array}{l} w=6 \ , \ h=9 \ , \ x=4 \ , \ y=0 \ , \ v=54 \\ w=4 \ , \ h=9 \ , \ x=0 \ , \ y=0 \ , \ v=36 \\ w=7 \ , \ h=1 \ , \ x=3 \ , \ y=9 \ , \ v=7 \end{array}$ 

	6x1 6x1
2x8	8x8

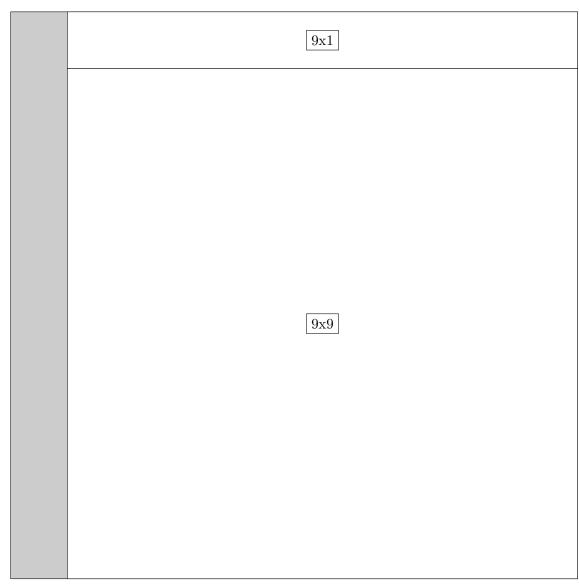
$$\begin{array}{l} w = 8 \;,\; h = 8 \;,\; x = 2 \;,\; y = 0 \;,\; v = 64 \\ w = 2 \;,\; h = 8 \;,\; x = 0 \;,\; y = 0 \;,\; v = 16 \\ w = 6 \;,\; h = 1 \;,\; x = 4 \;,\; y = 8 \;,\; v = 6 \\ w = 6 \;,\; h = 1 \;,\; x = 4 \;,\; y = 9 \;,\; v = 6 \end{array}$$

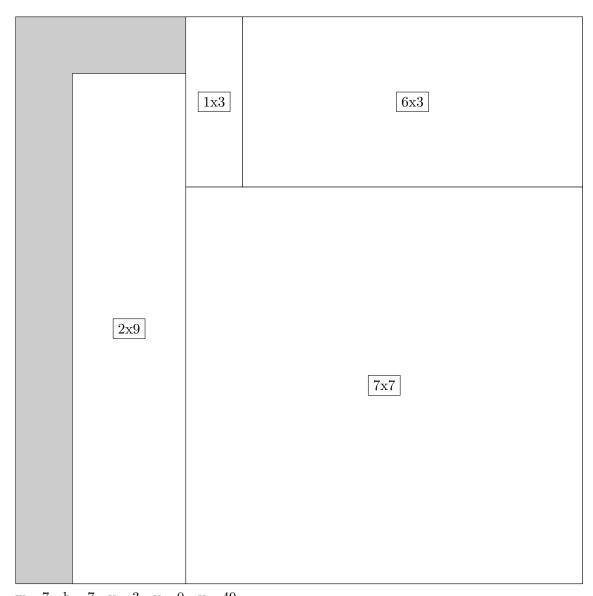


$$\begin{array}{l} w = 6 \ , \ h = 9 \ , \ x = 4 \ , \ y = 0 \ , \ v = 54 \\ w = 6 \ , \ h = 1 \ , \ x = 4 \ , \ y = 9 \ , \ v = 6 \\ w = 4 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 28 \end{array}$$



 $\mathbf{w}$  =9 , h =8 , x =1 , y =0 , v =72

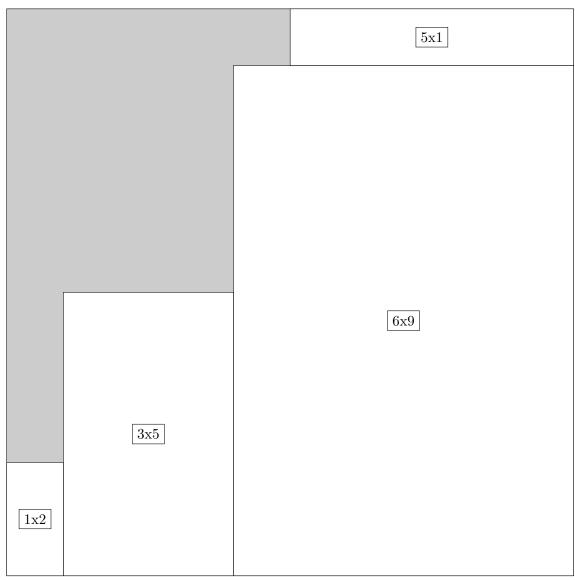




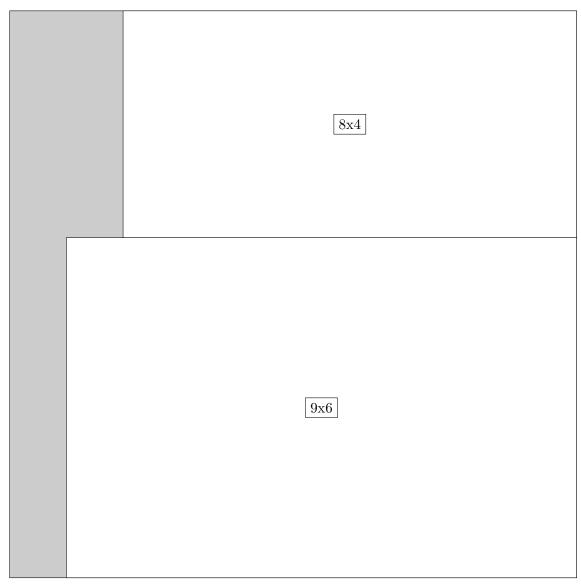
w =7, h =7, x =3, y =0, v =49 w =6, h =3, x =4, y =7, v =18

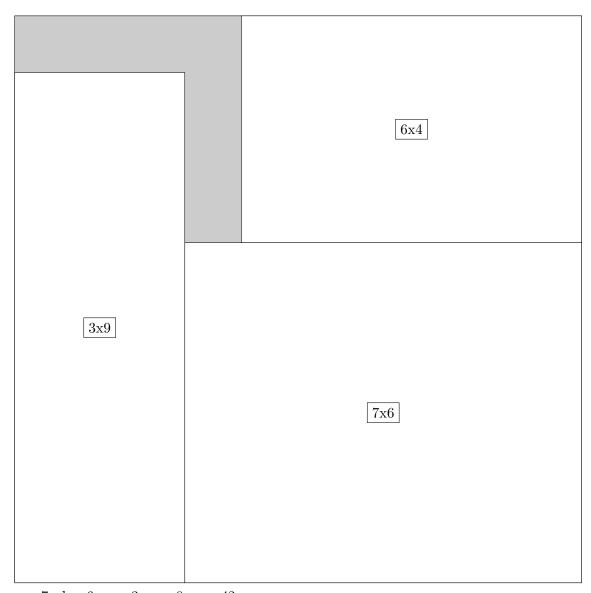
w = 1, h = 3, x = 3, y = 7, v = 3

 $\mathbf{w}$  =2 , h =9 , x =1 , y =0 , v =18

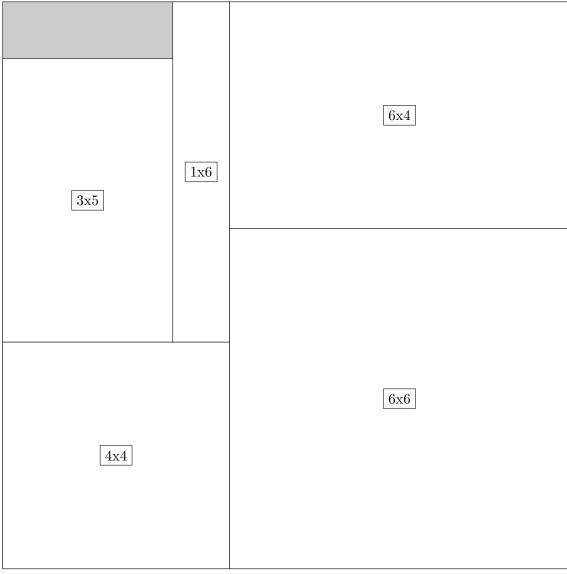


 $\begin{array}{l} w = 6 \ , \ h = 9 \ , \ x = 4 \ , \ y = 0 \ , \ v = 54 \\ w = 5 \ , \ h = 1 \ , \ x = 5 \ , \ y = 9 \ , \ v = 5 \\ w = 3 \ , \ h = 5 \ , \ x = 1 \ , \ y = 0 \ , \ v = 15 \\ w = 1 \ , \ h = 2 \ , \ x = 0 \ , \ y = 0 \ , \ v = 2 \end{array}$ 

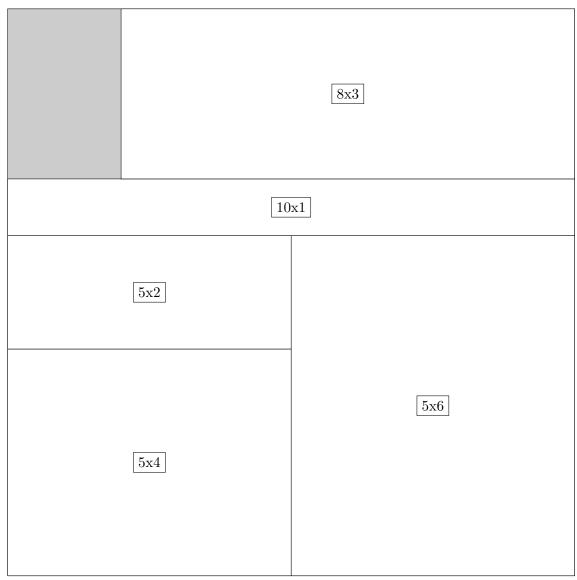




$$\begin{array}{l} w=7 \ , \ h=6 \ , \ x=3 \ , \ y=0 \ , \ v=42 \\ w=6 \ , \ h=4 \ , \ x=4 \ , \ y=6 \ , \ v=24 \\ w=3 \ , \ h=9 \ , \ x=0 \ , \ y=0 \ , \ v=27 \end{array}$$



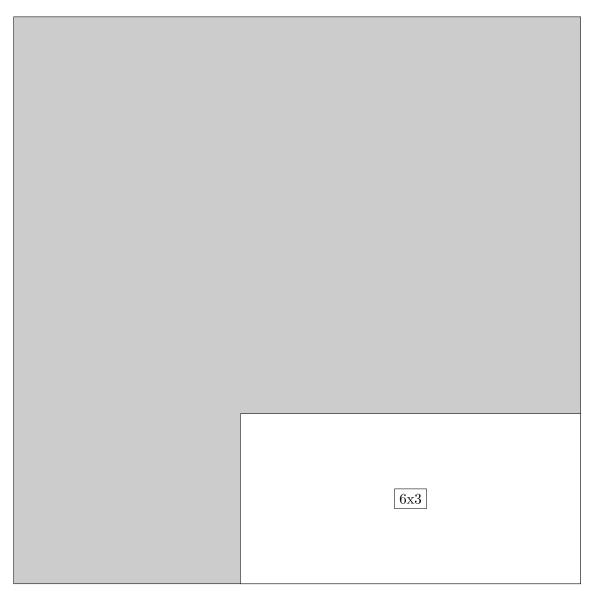
$$\begin{array}{l} w=6\ ,\, h=6\ ,\, x=4\ ,\, y=0\ ,\, v=36\\ w=6\ ,\, h=4\ ,\, x=4\ ,\, y=6\ ,\, v=24\\ w=4\ ,\, h=4\ ,\, x=0\ ,\, y=0\ ,\, v=16\\ w=1\ ,\, h=6\ ,\, x=3\ ,\, y=4\ ,\, v=6\\ w=3\ ,\, h=5\ ,\, x=0\ ,\, y=4\ ,\, v=15 \end{array}$$



$$\begin{array}{l} w = 5 \ , \ h = 6 \ , \ x = 5 \ , \ y = 0 \ , \ v = 30 \\ w = 5 \ , \ h = 4 \ , \ x = 0 \ , \ y = 0 \ , \ v = 20 \\ w = 5 \ , \ h = 2 \ , \ x = 0 \ , \ y = 4 \ , \ v = 10 \\ w = 10 \ , \ h = 1 \ , \ x = 0 \ , \ y = 6 \ , \ v = 10 \\ w = 8 \ , \ h = 3 \ , \ x = 2 \ , \ y = 7 \ , \ v = 24 \end{array}$$

		7x3
1x3		8x3
	5x4	5x4

 $\begin{array}{l} w=5 \ , \ h=4 \ , \ x=5 \ , \ y=0 \ , \ v=20 \\ w=5 \ , \ h=4 \ , \ x=0 \ , \ y=0 \ , \ v=20 \\ w=8 \ , \ h=3 \ , \ x=2 \ , \ y=4 \ , \ v=24 \\ w=1 \ , \ h=3 \ , \ x=1 \ , \ y=4 \ , \ v=3 \\ w=7 \ , \ h=3 \ , \ x=3 \ , \ y=7 \ , \ v=21 \end{array}$ 



 $\mathbf{w}$  =6 , h =3 , x =4 , y =0 , v =18