${\bf ClassName:}~{\bf Class_01.2bp\text{-}10}$

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

TypeNum: <u>32</u> Num: <u>40</u> OutS: <u>1000</u> InS: <u>895</u> Rate: <u>0.895</u> UB: <u>10</u> LB0: <u>10</u> LB: <u>10</u>

LBWithCut: $\underline{\mathbf{10}}$ NodeCut: $\underline{\mathbf{0}}$

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{10}}$ 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: 600.328 s

		3x1	
	7x4	3x4	
2x2	8x2		
10x3			

 $\le =10$, h =3 , x =0 , y =0 , v =30

 $\le =8$, h =2 , x =2 , y =3 , v = 16

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

 \mathbf{w} =3 , h =4 , x =7 , y =5 , v =12

w = 3, h = 1, x = 7, y = 9, v = 3

 \mathbf{w} =7 , h =4 , x =0 , y =5 , v =28

2x1			
2x9	2x10	6	x10

 $\begin{array}{l} w=6 \ , \ h=10 \ , \ x=4 \ , \ y=0 \ , \ v=60 \\ w=2 \ , \ h=10 \ , \ x=2 \ , \ y=0 \ , \ v=20 \\ w=2 \ , \ h=9 \ , \ x=0 \ , \ y=0 \ , \ v=18 \\ w=2 \ , \ h=1 \ , \ x=0 \ , \ y=9 \ , \ v=2 \end{array}$

1x3		[5x1]
	4x10	5x9
1x7		

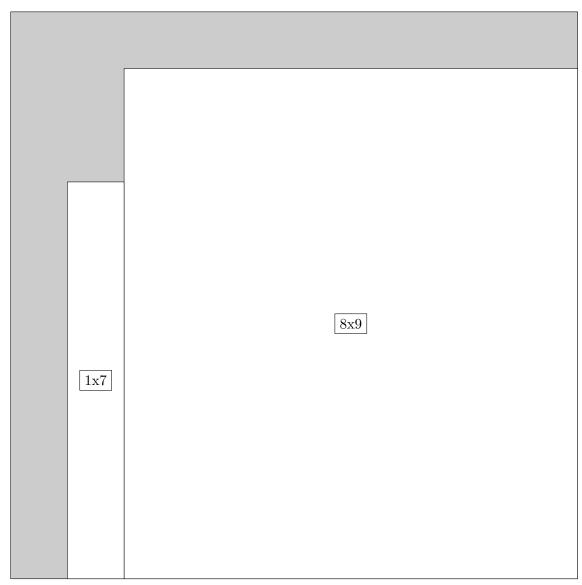
 \mathbf{w} =5 , \mathbf{h} =9 , \mathbf{x} =5 , \mathbf{y} =0 , \mathbf{v} =45

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

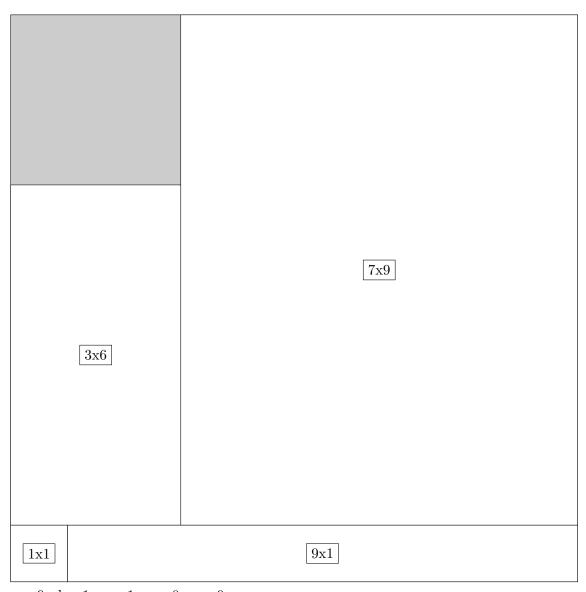
 \mathbf{w} =4 , h =10 , x =1 , y =0 , v =40

 \mathbf{w} =1 , h =7 , x =0 , y =0 , v =7

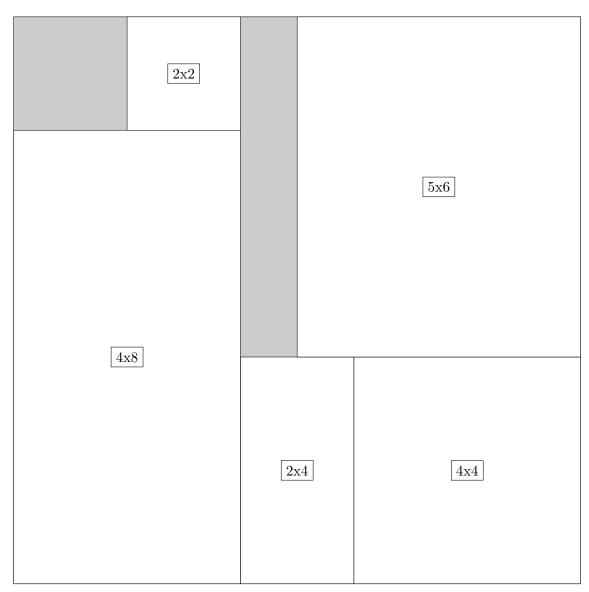
 $\mathbf{w}=\!\!1$, $\mathbf{h}=\!\!3$, $\mathbf{x}=\!\!0$, $\mathbf{y}=\!\!7$, $\mathbf{v}=\!\!3$



$$\begin{array}{c} w = 8 \; , \; h = 9 \; , \; x = 2 \; , \; y = 0 \; , \; v = 72 \\ w = 1 \; , \; h = 7 \; , \; x = 1 \; , \; y = 0 \; , \; v = 7 \end{array}$$



$$\begin{array}{l} w = 9 \ , \ h = 1 \ , \ x = 1 \ , \ y = 0 \ , \ v = 9 \\ w = 1 \ , \ h = 1 \ , \ x = 0 \ , \ y = 0 \ , \ v = 1 \\ w = 7 \ , \ h = 9 \ , \ x = 3 \ , \ y = 1 \ , \ v = 63 \\ w = 3 \ , \ h = 6 \ , \ x = 0 \ , \ y = 1 \ , \ v = 18 \end{array}$$



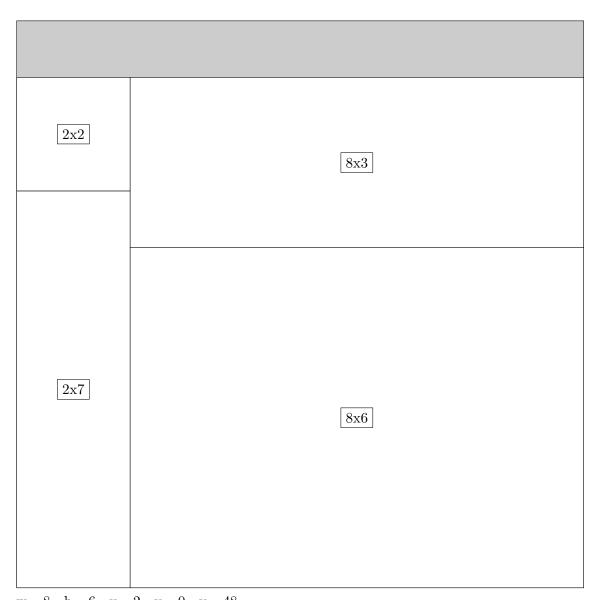
$$\mathbf{w}$$
 =4 , \mathbf{h} =4 , \mathbf{x} =6 , \mathbf{y} =0 , \mathbf{v} =16

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

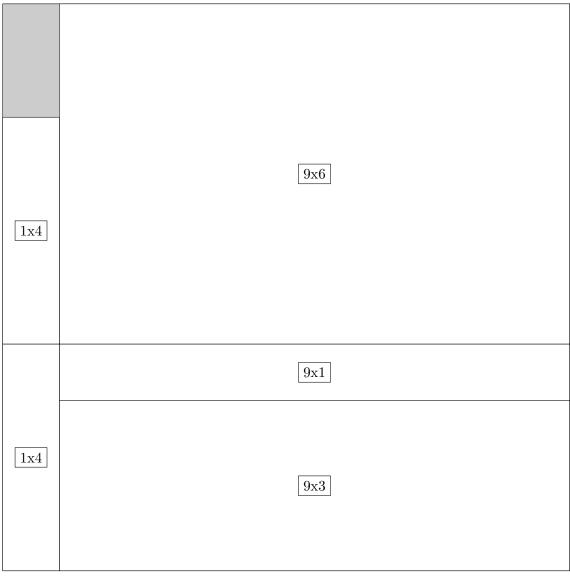
$$\mathbf{w}$$
 =5 , h =6 , x =5 , y =4 , v =30

$$\mathbf{w}$$
 =4 , h =8 , x =0 , y =0 , v =32

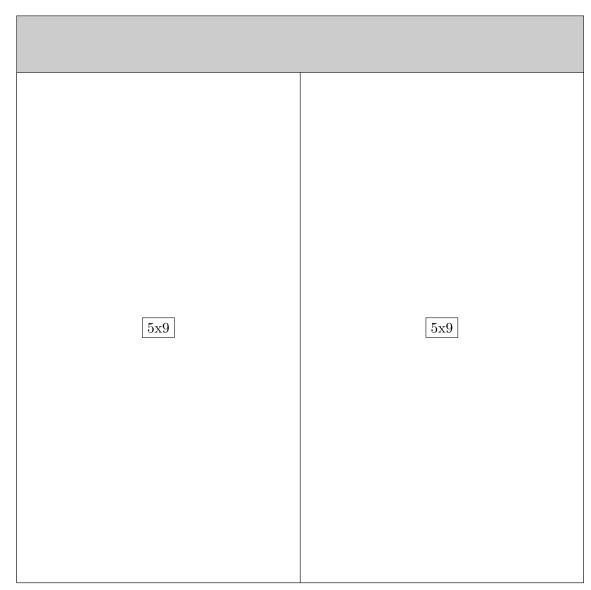
$$w = 2$$
, $h = 2$, $x = 2$, $y = 8$, $v = 4$



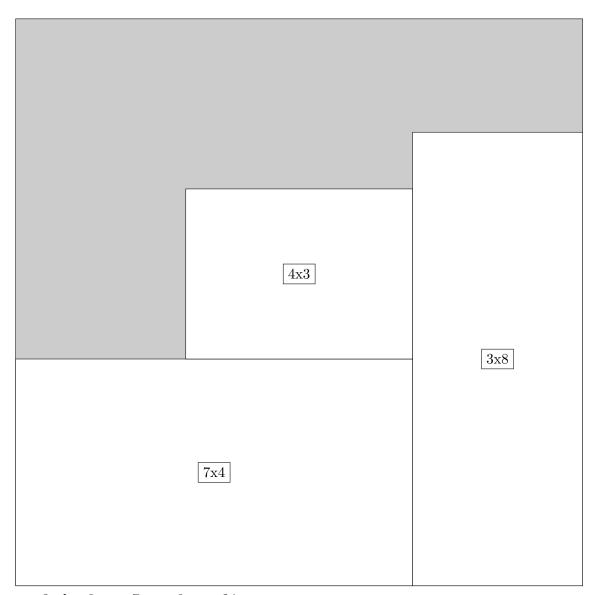
$$\begin{array}{l} w=8 \ , \ h=6 \ , \ x=2 \ , \ y=0 \ , \ v=48 \\ w=8 \ , \ h=3 \ , \ x=2 \ , \ y=6 \ , \ v=24 \\ w=2 \ , \ h=7 \ , \ x=0 \ , \ y=0 \ , \ v=14 \\ w=2 \ , \ h=2 \ , \ x=0 \ , \ y=7 \ , \ v=4 \end{array}$$



$$\begin{array}{l} w=9\ ,\, h=3\ ,\, x=1\ ,\, y=0\ ,\, v=27\\ w=9\ ,\, h=1\ ,\, x=1\ ,\, y=3\ ,\, v=9\\ w=1\ ,\, h=4\ ,\, x=0\ ,\, y=0\ ,\, v=4\\ w=9\ ,\, h=6\ ,\, x=1\ ,\, y=4\ ,\, v=54\\ w=1\ ,\, h=4\ ,\, x=0\ ,\, y=4\ ,\, v=4\\ \end{array}$$



w=5, h=9, x=5, y=0, v=45 w=5, h=9, x=0, y=0, v=45



 $\le =3$, h = 8 , x = 7 , y = 0 , v = 24 w = 7, h = 4, x = 0, y = 0, v = 28 w = 4, h = 3, x = 3, y = 4, v = 12