$ClassName: \ Class_01.2bp-16$

BinSize: $\underline{10} \times \underline{10}$ ReduceSize: $\underline{10} \times \underline{10}$

TypeNum: 32 Num: 40 OutS: 1100 InS: 1074 Rate: 0.976 UB: 11

UB: <u>11</u> LB0: <u>11</u> LB: **11**

LBWithCut: $\underline{\mathbf{11}}$ NodeCut: $\underline{\mathbf{0}}$

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{11}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

isOpt: $\underline{\mathbf{true}}$

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.020 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.192 \ s} \end{array}$



 \mathbf{w} =10 , h =10 , x =0 , y =0 , v =100



 \mathbf{w} =10 , h =10 , x =0 , y =0 , v =100

[7x1]	
8x9	2x10

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

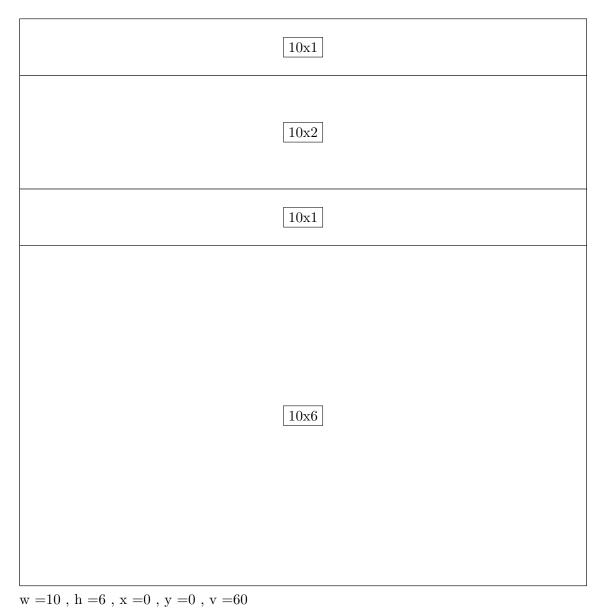
 \mathbf{w} =2 , h =10 , x =8 , y =0 , v =20

 \mathbf{w} =7 , h =1 , x =1 , y =9 , v =7

[7x1]	
[7x9]	3x10

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





$$w = 10 , n = 2 , x = 0 , y = i , v = 20$$

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

3x3	$\boxed{4\mathrm{x}3}$	
		3x10
	7x7	

 \mathbf{w} =7 , h =7 , x =0 , y =0 , v =49

 \mathbf{w} =3 , h =10 , x =7 , y =0 , v =30

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

2x2 3x2 5x2	$5\mathrm{x}4$
8x6	2x6

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

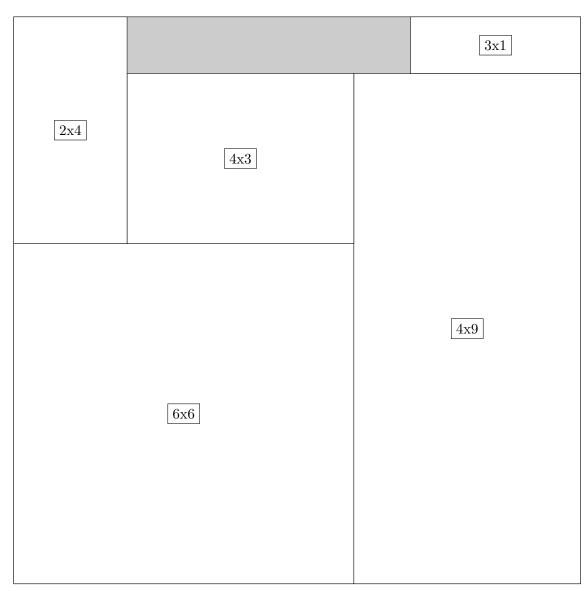
$$w$$
 =5 , h =4 , x =5 , y =6 , v =20

$$\mathbf{w}$$
 =2 , h =6 , x =8 , y =0 , v =12

$$\mathbf{w}$$
 =5 , h =2 , x =0 , y =6 , v =10

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

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



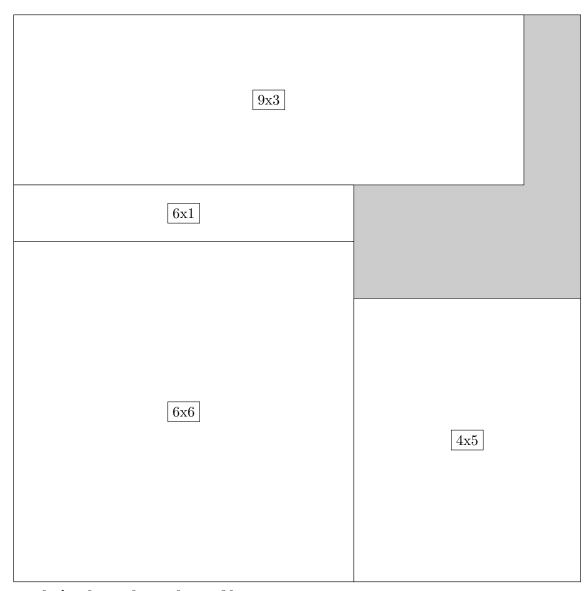
 \mathbf{w} =6 , \mathbf{h} =6 , \mathbf{x} =0 , \mathbf{y} =0 , \mathbf{v} =36

 \mathbf{w} =4 , h =9 , x =6 , y =0 , v =36

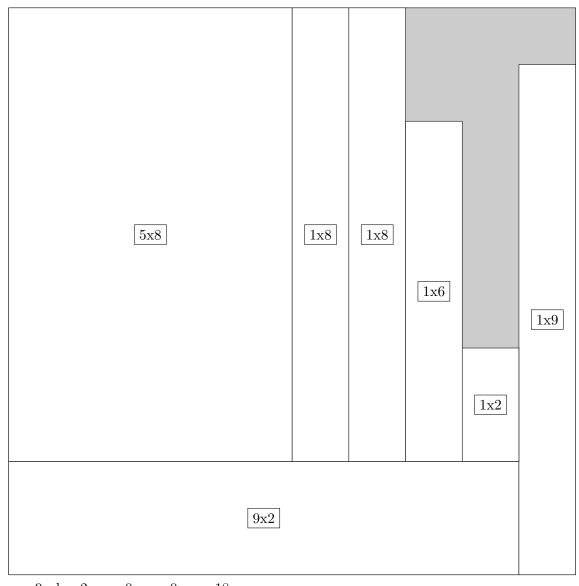
w =4, h =3, x =2, y =6, v =12

 \mathbf{w} =2 , h =4 , x =0 , y =6 , v =8

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



$$\begin{array}{l} w=6 \ , \ h=6 \ , \ x=0 \ , \ y=0 \ , \ v=36 \\ w=9 \ , \ h=3 \ , \ x=0 \ , \ y=7 \ , \ v=27 \\ w=4 \ , \ h=5 \ , \ x=6 \ , \ y=0 \ , \ v=20 \\ w=6 \ , \ h=1 \ , \ x=0 \ , \ y=6 \ , \ v=6 \end{array}$$



$$w$$
 =5 , h =8 , x =0 , y =2 , v =40

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

$$w = 1, h = 8, x = 5, y = 2, v = 8$$

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

$$\begin{array}{l} w = 1 \ , \ h = 6 \ , \ x = 7 \ , \ y = 2 \ , \ v = 6 \\ w = 1 \ , \ h = 2 \ , \ x = 8 \ , \ y = 2 \ , \ v = 2 \end{array}$$