$ClassName: \ Class_01.2bp-11$

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

TypeNum: <u>36</u>
Num: <u>40</u>
OutS: <u>1200</u>
InS: <u>1070</u>
Rate: <u>0.892</u>
UB: <u>12</u>
LB0: <u>12</u>
LB: <u>12</u>

 $\begin{array}{c} -\overline{}\\ LBWithCut: \ \underline{\bf 12}\\ NodeCut: \ \underline{\bf 0} \end{array}$

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{12}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

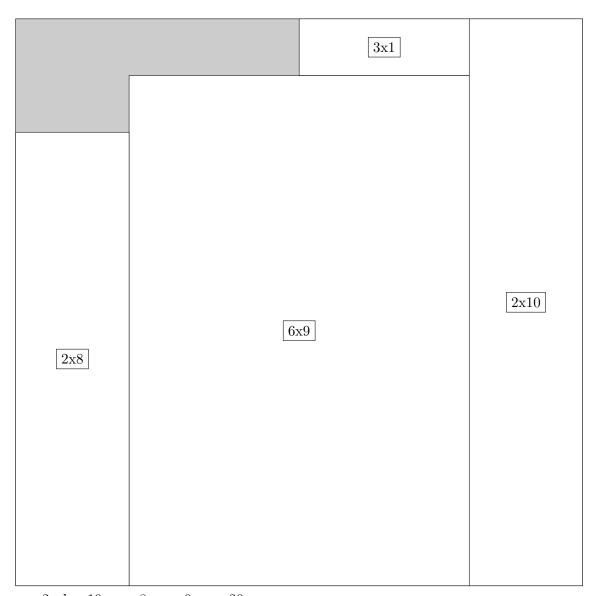
isOpt: $\underline{\mathbf{true}}$

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 600.313 s

7x2 10x1 10x2 10x5

$$\begin{array}{l} w = \! 10 \; , \; h = \! 5 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 50 \\ w = \! 10 \; , \; h = \! 2 \; , \; x = \! 0 \; , \; y = \! 5 \; , \; v = \! 20 \\ w = \! 10 \; , \; h = \! 1 \; , \; x = \! 0 \; , \; y = \! 7 \; , \; v = \! 10 \\ w = \! 7 \; , \; h = \! 2 \; , \; x = \! 3 \; , \; y = \! 8 \; , \; v = \! 14 \end{array}$$



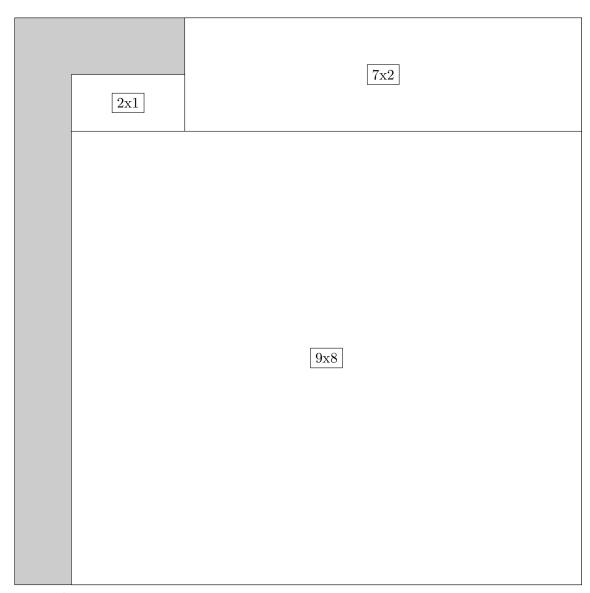
$$\mathbf{w}$$
 =2 , h =10 , x =8 , y =0 , v =20

$$\mathbf{w}$$
 =6 , h =9 , x =2 , y =0 , v =
54

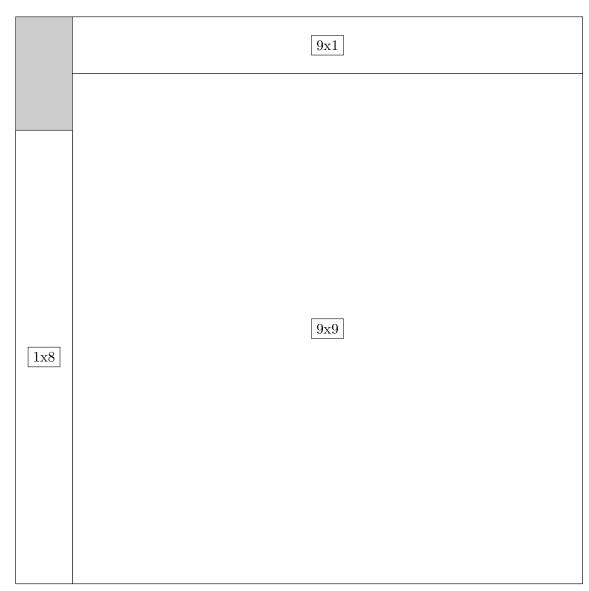
$$\le 3$$
 , h =1 , x =5 , y =9 , v =3

$$\mathbf{w}$$
 =2 , h =8 , x =0 , y =0 , v =
16





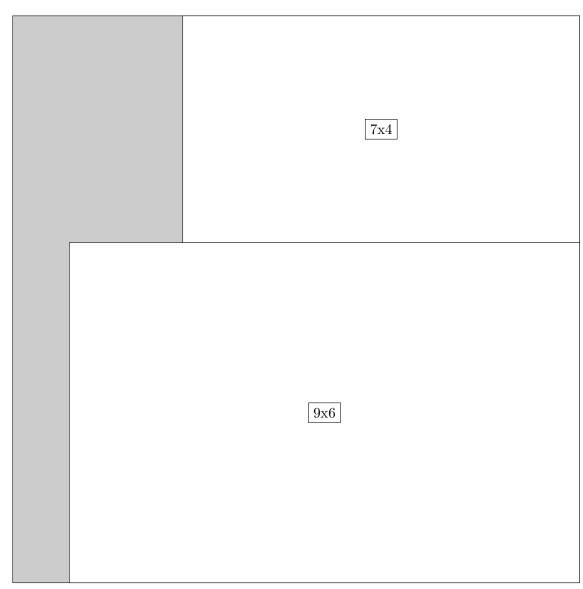
$$\begin{array}{l} w = 9 \ , \ h = 8 \ , \ x = 1 \ , \ y = 0 \ , \ v = 72 \\ w = 7 \ , \ h = 2 \ , \ x = 3 \ , \ y = 8 \ , \ v = 14 \\ w = 2 \ , \ h = 1 \ , \ x = 1 \ , \ y = 8 \ , \ v = 2 \end{array}$$



$$\begin{array}{l} w = 9 \ , \ h = 9 \ , \ x = 1 \ , \ y = 0 \ , \ v = 81 \\ w = 9 \ , \ h = 1 \ , \ x = 1 \ , \ y = 9 \ , \ v = 9 \\ w = 1 \ , \ h = 8 \ , \ x = 0 \ , \ y = 0 \ , \ v = 8 \end{array}$$

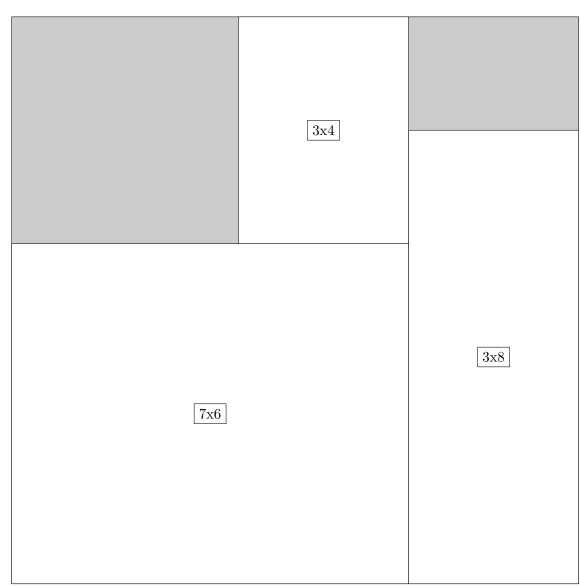
	5x2	
1x3	7x3	2x5
1x5	$9\mathrm{x}5$	

 $\begin{array}{l} w=9 \ , \ h=5 \ , \ x=1 \ , \ y=0 \ , \ v=45 \\ w=1 \ , \ h=5 \ , \ x=0 \ , \ y=0 \ , \ v=5 \\ w=2 \ , \ h=5 \ , \ x=8 \ , \ y=5 \ , \ v=10 \\ w=7 \ , \ h=3 \ , \ x=1 \ , \ y=5 \ , \ v=21 \\ w=1 \ , \ h=3 \ , \ x=0 \ , \ y=5 \ , \ v=3 \\ w=5 \ , \ h=2 \ , \ x=3 \ , \ y=8 \ , \ v=10 \end{array}$



	8x3
3x1	
3x6	7x7

$$\begin{array}{l} w=7\ ,\, h=7\ ,\, x=3\ ,\, y=0\ ,\, v=49\\ w=3\ ,\, h=6\ ,\, x=0\ ,\, y=0\ ,\, v=18\\ w=3\ ,\, h=1\ ,\, x=0\ ,\, y=6\ ,\, v=3\\ w=8\ ,\, h=3\ ,\, x=2\ ,\, y=7\ ,\, v=24 \end{array}$$

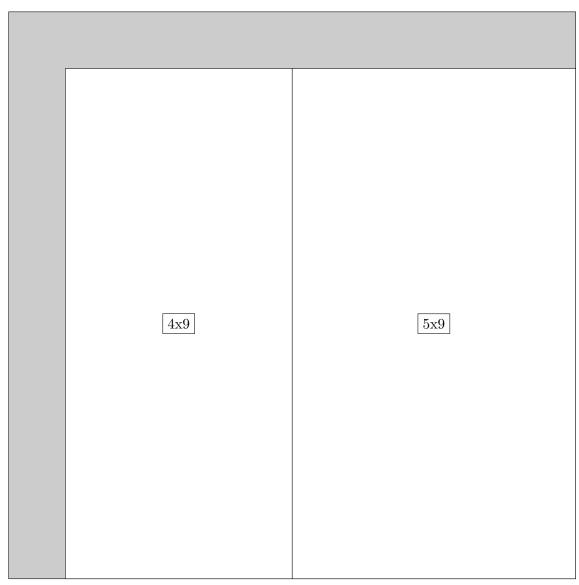


$$\le =3$$
 , h =
8 , x =
7 , y =
0 , v =
24

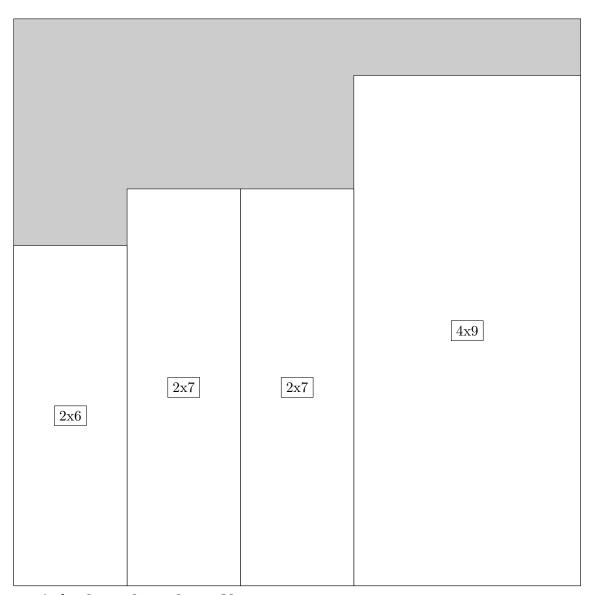
$$w = 3$$
, $h = 4$, $x = 4$, $y = 6$, $v = 12$

	6x3
4x8	
	6x7

 $\begin{array}{l} w = 6 \ , \ h = 7 \ , \ x = 4 \ , \ y = 0 \ , \ v = 42 \\ w = 6 \ , \ h = 3 \ , \ x = 4 \ , \ y = 7 \ , \ v = 18 \\ w = 4 \ , \ h = 8 \ , \ x = 0 \ , \ y = 0 \ , \ v = 32 \end{array}$



 $\begin{array}{c} w = 5 \ , \ h = 9 \ , \ x = 5 \ , \ y = 0 \ , \ v = 45 \\ w = 4 \ , \ h = 9 \ , \ x = 1 \ , \ y = 0 \ , \ v = 36 \end{array}$



$$\begin{array}{l} w = 4 \ , \ h = 9 \ , \ x = 6 \ , \ y = 0 \ , \ v = 36 \\ w = 2 \ , \ h = 7 \ , \ x = 4 \ , \ y = 0 \ , \ v = 14 \\ w = 2 \ , \ h = 7 \ , \ x = 2 \ , \ y = 0 \ , \ v = 14 \\ w = 2 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 12 \end{array}$$