$ClassName: \ Class_01.2bp\text{-}18$

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

TypeNum: <u>36</u> Num: <u>40</u> OutS: <u>1100</u> InS: <u>1008</u> Rate: <u>0.916</u> UB: <u>11</u> LB0: <u>11</u>

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

LB: **11**

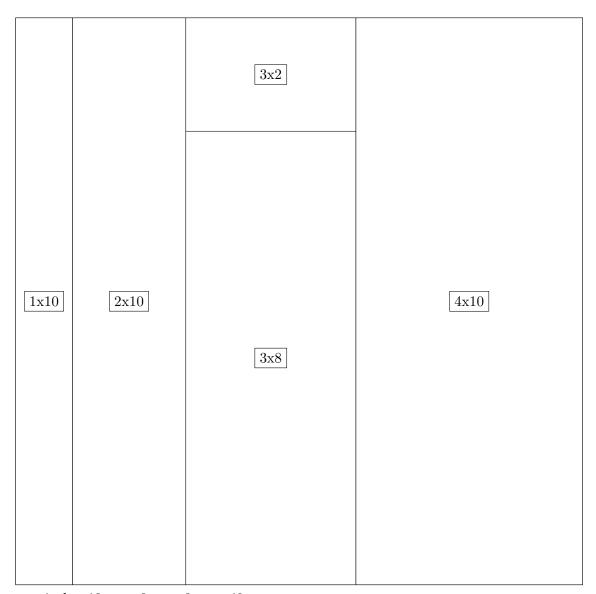
ExtendedNodeCnt: $\underline{\mathbf{1}}$

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

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 600.312 s



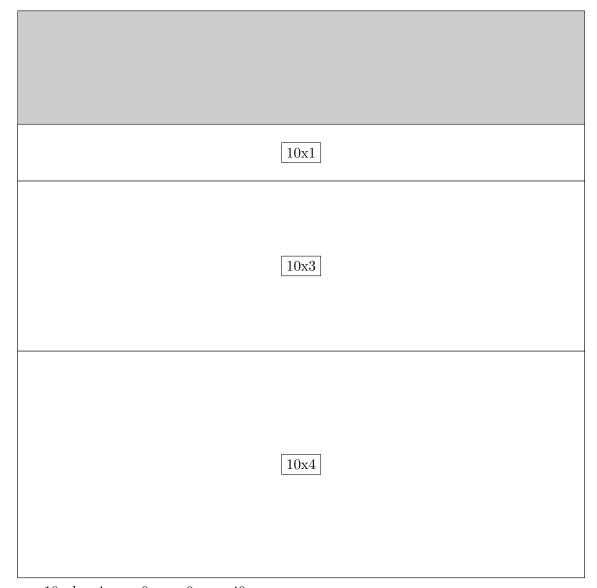
 \mathbf{w} =4 , h =10 , x =6 , y =0 , v =40

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

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

 \mathbf{w} =2 , h =10 , x =1 , y =0 , v =20

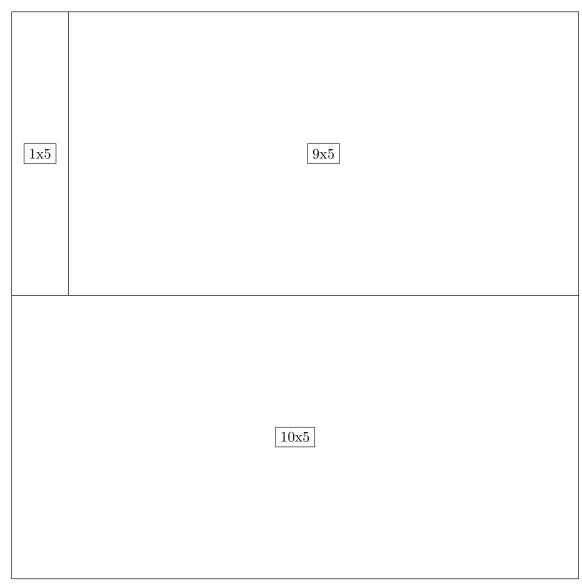
w = 1, h = 10, x = 0, y = 0, v = 10



$$\le =10$$
 , h =4 , x =0 , y =0 , v =40

$$\le =10$$
 , h =3 , x =0 , y =4 , v =30

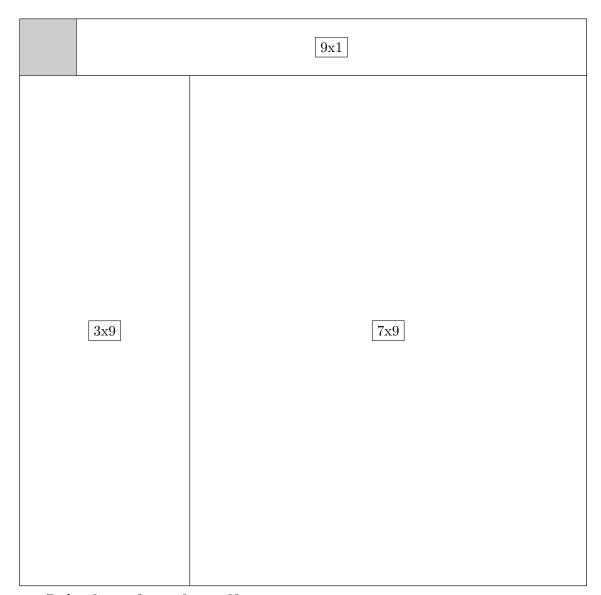
$$\mathbf{w}$$
 =10 , h =1 , x =0 , y =7 , v =10



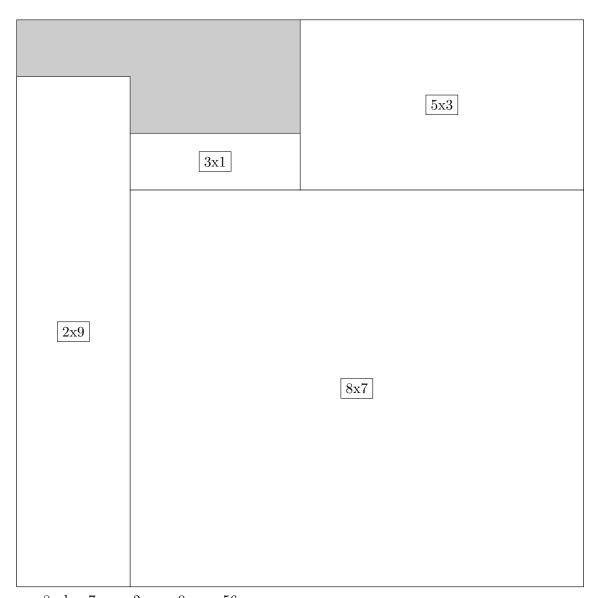
$$\begin{array}{l} w = \! 10 \ , \ h = \! 5 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 50 \\ w = \! 9 \ , \ h = \! 5 \ , \ x = \! 1 \ , \ y = \! 5 \ , \ v = \! 45 \\ w = \! 1 \ , \ h = \! 5 \ , \ x = \! 0 \ , \ y = \! 5 \ , \ v = \! 5 \end{array}$$

4x4			5x4
3x6		[7x6]	

 $\begin{array}{l} w=7 \;,\, h=6 \;,\, x=3 \;,\, y=0 \;,\, v=42 \\ w=3 \;,\, h=6 \;,\, x=0 \;,\, y=0 \;,\, v=18 \\ w=5 \;,\, h=4 \;,\, x=5 \;,\, y=6 \;,\, v=20 \\ w=4 \;,\, h=4 \;,\, x=1 \;,\, y=6 \;,\, v=16 \end{array}$



$$\begin{array}{l} w = 7 \ , \ h = 9 \ , \ x = 3 \ , \ y = 0 \ , \ v = 63 \\ w = 3 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 27 \\ w = 9 \ , \ h = 1 \ , \ x = 1 \ , \ y = 9 \ , \ v = 9 \end{array}$$

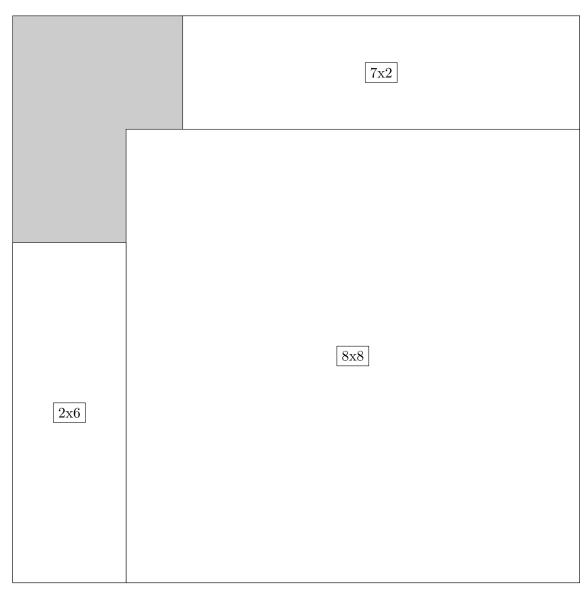


 $\begin{array}{l} w = 8 \ , \ h = 7 \ , \ x = 2 \ , \ y = 0 \ , \ v = 56 \\ w = 5 \ , \ h = 3 \ , \ x = 5 \ , \ y = 7 \ , \ v = 15 \\ w = 3 \ , \ h = 1 \ , \ x = 2 \ , \ y = 7 \ , \ v = 3 \end{array}$

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

2x8	3x8	5x8	

 $\begin{array}{l} w = 5 \ , \ h = 8 \ , \ x = 5 \ , \ y = 0 \ , \ v = 40 \\ w = 3 \ , \ h = 8 \ , \ x = 2 \ , \ y = 0 \ , \ v = 24 \\ w = 2 \ , \ h = 8 \ , \ x = 0 \ , \ y = 0 \ , \ v = 16 \end{array}$



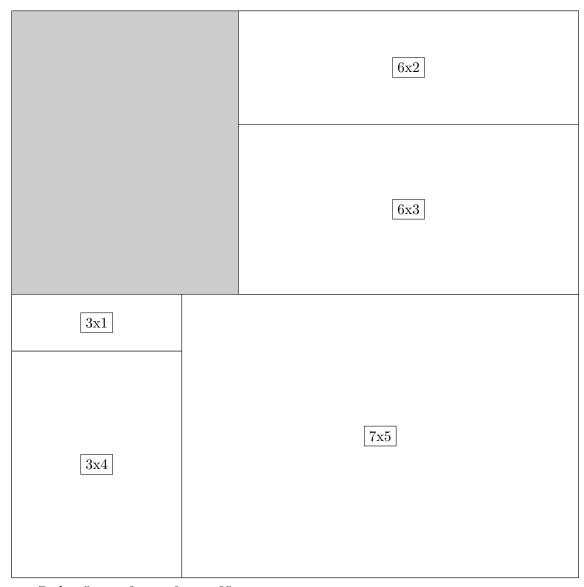
$$\begin{array}{l} w = 8 \ , \ h = 8 \ , \ x = 2 \ , \ y = 0 \ , \ v = 64 \\ w = 7 \ , \ h = 2 \ , \ x = 3 \ , \ y = 8 \ , \ v = 14 \\ w = 2 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 12 \end{array}$$

	[4x1]
[5x9]	2 $\sqrt{5x9}$

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

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

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



$$\begin{array}{l} w=7\ ,\ h=5\ ,\ x=3\ ,\ y=0\ ,\ v=35\\ w=3\ ,\ h=4\ ,\ x=0\ ,\ y=0\ ,\ v=12\\ w=3\ ,\ h=1\ ,\ x=0\ ,\ y=4\ ,\ v=3\\ w=6\ ,\ h=3\ ,\ x=4\ ,\ y=5\ ,\ v=18\\ w=6\ ,\ h=2\ ,\ x=4\ ,\ y=8\ ,\ v=12 \end{array}$$

	9x3
	6x3
4x7	6x4

$$\begin{array}{l} w=6\ ,\, h=4\ ,\, x=4\ ,\, y=0\ ,\, v=24\\ w=6\ ,\, h=3\ ,\, x=4\ ,\, y=4\ ,\, v=18\\ w=4\ ,\, h=7\ ,\, x=0\ ,\, y=0\ ,\, v=28\\ w=9\ ,\, h=3\ ,\, x=1\ ,\, y=7\ ,\, v=27 \end{array}$$