$ClassName: \ Class_01.2bp-27$

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

TypeNum: <u>49</u> Num: <u>60</u> OutS: <u>2100</u> InS: <u>1883</u> Rate: <u>0.897</u> UB: <u>21</u>

UB: <u>21</u> LB0: <u>21</u> LB: <u>21</u>

LBWithCut: $\underline{\mathbf{21}}$ NodeCut: $\underline{\mathbf{0}}$

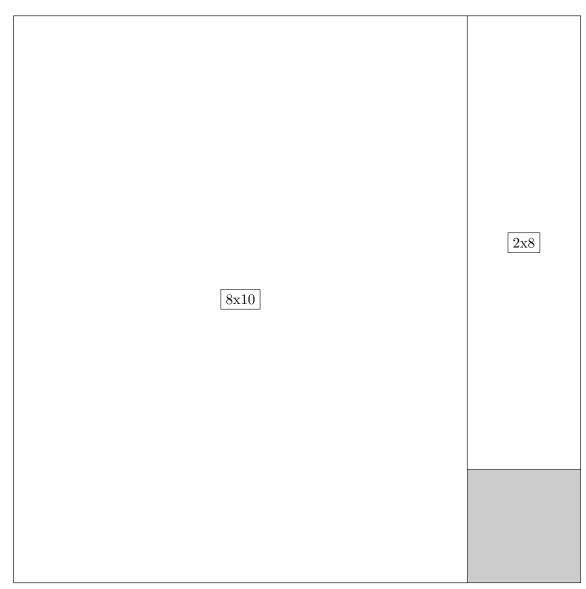
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{21}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

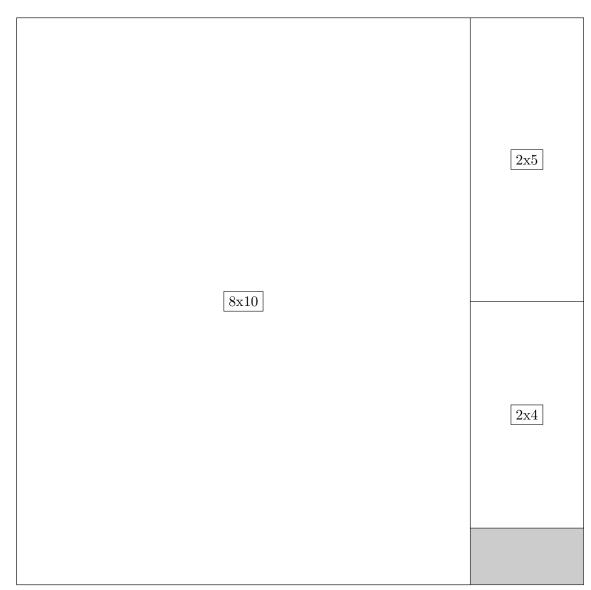
isOpt: **true**

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.060 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.185 \ s} \\ \end{array}$





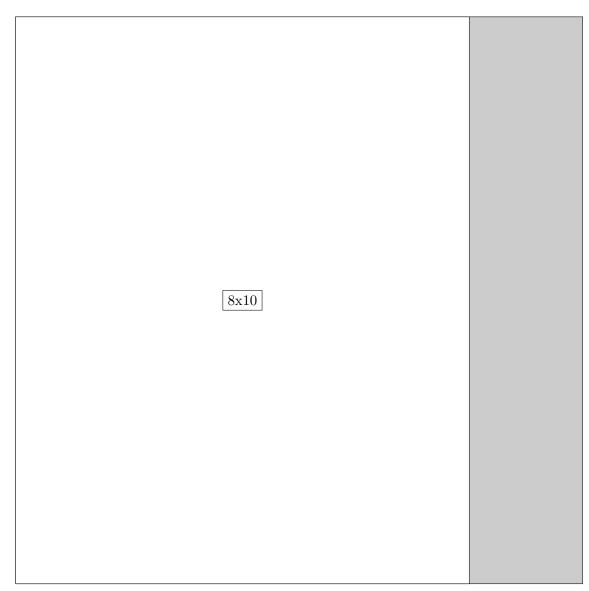
 $\begin{array}{l} w = 8 \ , \ h = \!\! 10 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 80 \\ w = \!\! 2 \ , \ h = \!\! 8 \ , \ x = \!\! 8 \ , \ y = \!\! 2 \ , \ v = \!\! 16 \end{array}$



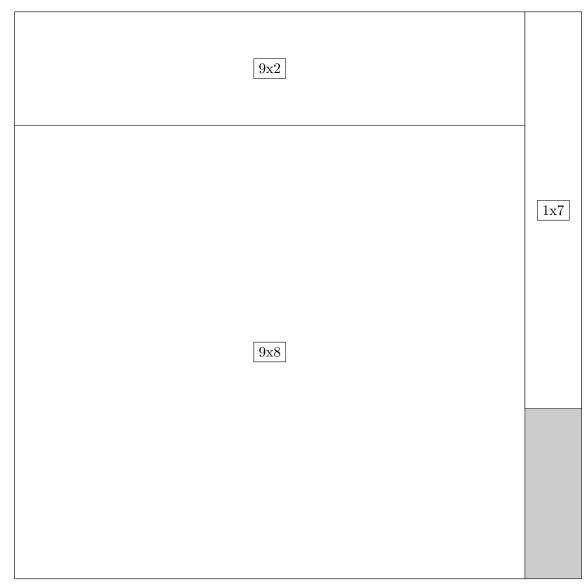
$$\le =8$$
 , h =10 , x =0 , y =0 , v =80

$$\mathbf{w}$$
 =2 , h =5 , x =8 , y =5 , v =10

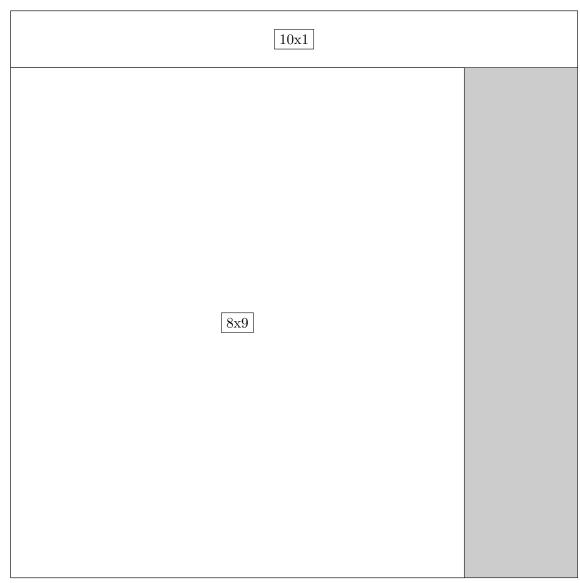
$$w = 2$$
 , $h = 4$, $x = 8$, $y = 1$, $v = 8$

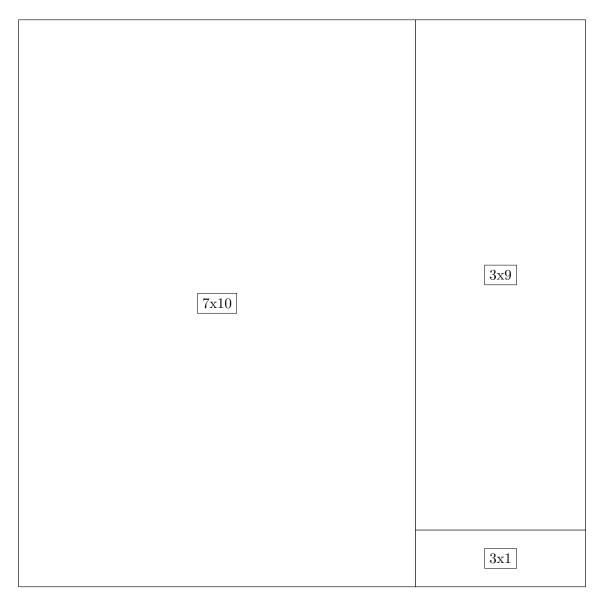


 $\le =8$, h =10 , x =0 , y =0 , v =80



$$\begin{array}{l} w = 9 \ , \ h = 8 \ , \ x = 0 \ , \ y = 0 \ , \ v = 72 \\ w = 9 \ , \ h = 2 \ , \ x = 0 \ , \ y = 8 \ , \ v = 18 \\ w = 1 \ , \ h = 7 \ , \ x = 9 \ , \ y = 3 \ , \ v = 7 \end{array}$$



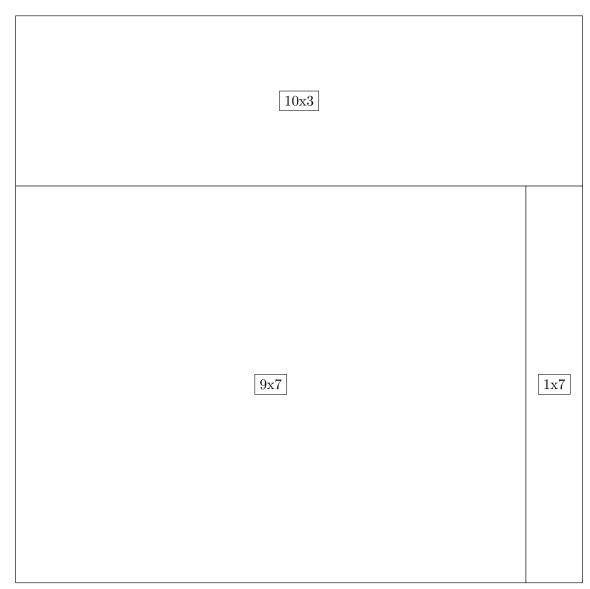


$$\mathbf{w}$$
 =7 , \mathbf{h} =10 , \mathbf{x} =0 , \mathbf{y} =0 , \mathbf{v} =70

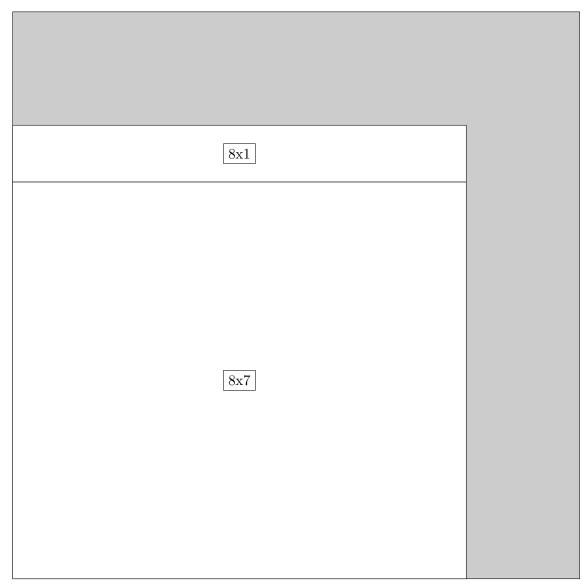
$$\mathbf{w}$$
 =3 , h =9 , x =7 , y =1 , v =
27

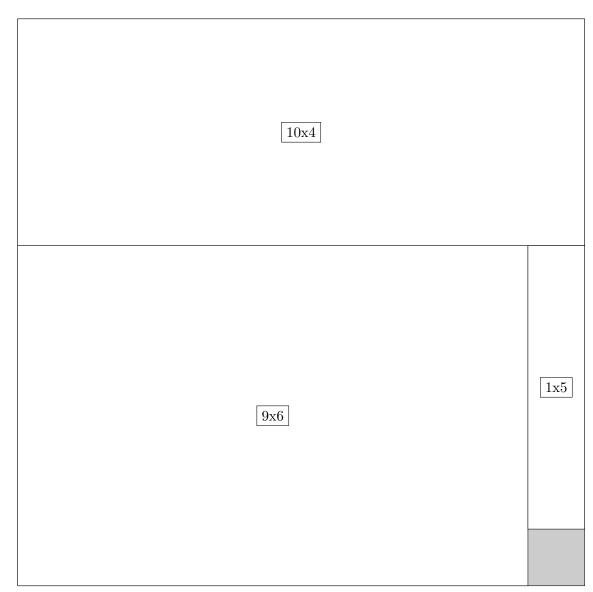
$$w = 3$$
 , $h = 1$, $x = 7$, $y = 0$, $v = 3$



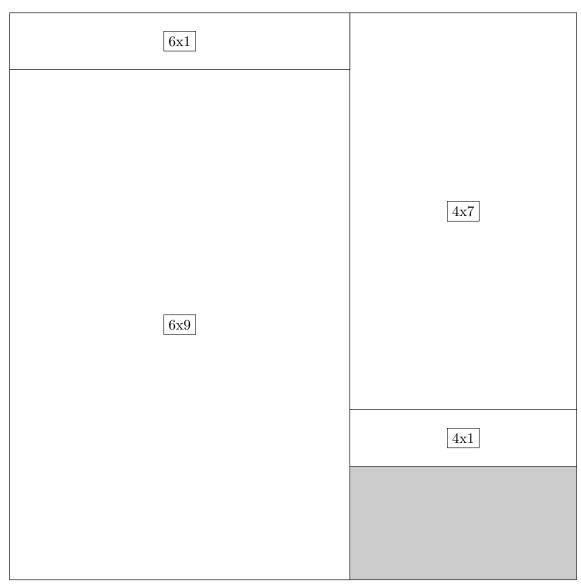


$$\begin{array}{l} w = 9 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 63 \\ w = 1 \ , \ h = 7 \ , \ x = 9 \ , \ y = 0 \ , \ v = 7 \\ w = 10 \ , \ h = 3 \ , \ x = 0 \ , \ y = 7 \ , \ v = 30 \end{array}$$





$$\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 54 \\ w = 10 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 40 \\ w = 1 \ , \ h = 5 \ , \ x = 9 \ , \ y = 1 \ , \ v = 5 \end{array}$$



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

$$\mathbf{w}$$
 =4 , h =7 , x =6 , y =3 , v =28

$$\mathbf{w}$$
 =6 , h =1 , x =0 , y =9 , v =6

$$\mathbf{w}=\!\!4$$
 , $\mathbf{h}=\!\!1$, $\mathbf{x}=\!\!6$, $\mathbf{y}=\!\!2$, $\mathbf{v}=\!\!4$

7x3	
	3x8
7x7	
	3x2

$$w = 7$$
, $h = 7$, $x = 0$, $y = 0$, $v = 49$

$$\mathbf{w}$$
 =3 , h =8 , x =7 , y =2 , v =24

$$\mathbf{w}$$
 =7 , h =3 , x =0 , y =7 , v =21

$$\mathbf{w}$$
 =3 , h =2 , x =7 , y =0 , v =6

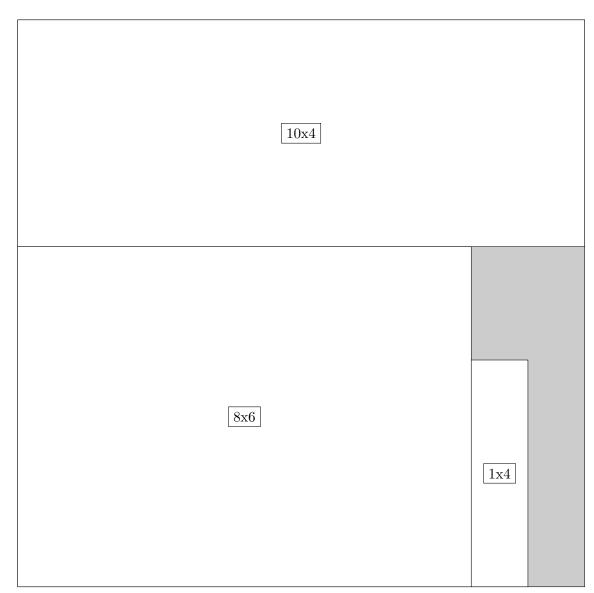
7x3	
	[3x7]
7x7	3x1

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

$$\mathbf{w}$$
 =7 , h =3 , x =0 , y =7 , v =21

$$w = 3$$
 , $h = 7$, $x = 7$, $y = 3$, $v = 21$

$$\mathbf{w}$$
 =3 , h =1 , x =7 , y =2 , v =3



$$\begin{array}{l} w = 8 \;,\; h = 6 \;,\; x = 0 \;,\; y = 0 \;,\; v = 48 \\ w = 10 \;,\; h = 4 \;,\; x = 0 \;,\; y = 6 \;,\; v = 40 \\ w = 1 \;,\; h = 4 \;,\; x = 8 \;,\; y = 0 \;,\; v = 4 \end{array}$$

[7x1]		
9x1		
6x7	3x7	

$$\mathbf{w}$$
 =6 , h =7 , x =0 , y =0 , v =42

$$\mathbf{w}$$
 =3 , h =7 , x =6 , y =0 , v =21

$$\mathbf{w}$$
 =9 , h =1 , x =0 , y =7 , v =9

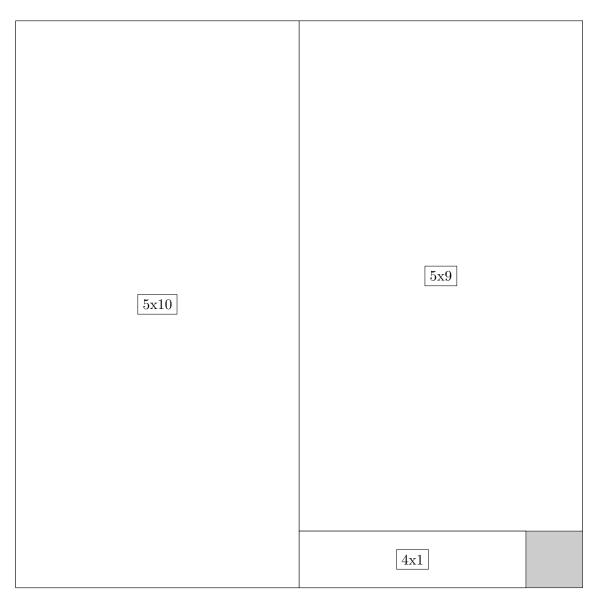
$$\mathbf{w}$$
 =7 , h =1 , x =0 , y =8 , v =7

[8x4]	2x4
6x6	4x6

$$\begin{array}{l} w = 6 \ , \, h = 6 \ , \, x = 0 \ , \, y = 0 \ , \, v = 36 \\ w = 8 \ , \, h = 4 \ , \, x = 0 \ , \, y = 6 \ , \, v = 32 \end{array}$$

$$w = 4$$
, $h = 6$, $x = 6$, $y = 0$, $v = 24$

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

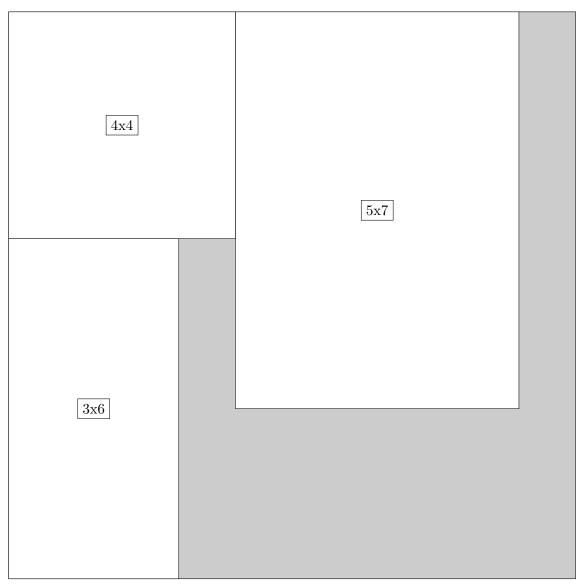


 $\begin{array}{l} w = \! 5 \ , \ h = \! 10 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 50 \\ w = \! 5 \ , \ h = \! 9 \ , \ x = \! 5 \ , \ y = \! 1 \ , \ v = \! 45 \end{array}$

w = 4 , h = 1 , x = 5 , y = 0 , v = 4

6x5	4x5
7x5	

$$\begin{array}{l} w = 7 \ , \ h = 5 \ , \ x = 0 \ , \ y = 0 \ , \ v = 35 \\ w = 6 \ , \ h = 5 \ , \ x = 0 \ , \ y = 5 \ , \ v = 30 \\ w = 4 \ , \ h = 5 \ , \ x = 6 \ , \ y = 5 \ , \ v = 20 \end{array}$$



 $\begin{array}{l} w = 5 \ , \ h = 7 \ , \ x = 4 \ , \ y = 3 \ , \ v = 35 \\ w = 3 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 18 \\ w = 4 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 16 \end{array}$

