${\bf ClassName:}~{\bf Class_01.2bp\text{-}35}$

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

TypeNum: <u>55</u> Num: <u>80</u> OutS: <u>2800</u> InS: <u>2521</u> Rate: <u>0.900</u> UB: <u>28</u> LB0: <u>28</u> LB: <u>28</u>

LBWithCut: $\underline{28}$ NodeCut: $\underline{0}$

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

GenNodeCnt: 1
PrimalNode: 0
ColumnCount: 28
TotalCutCount: 0
RootCutCount: 0
LPSolverCnt: 1
PricingSolverCnt: 0

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

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.141 s



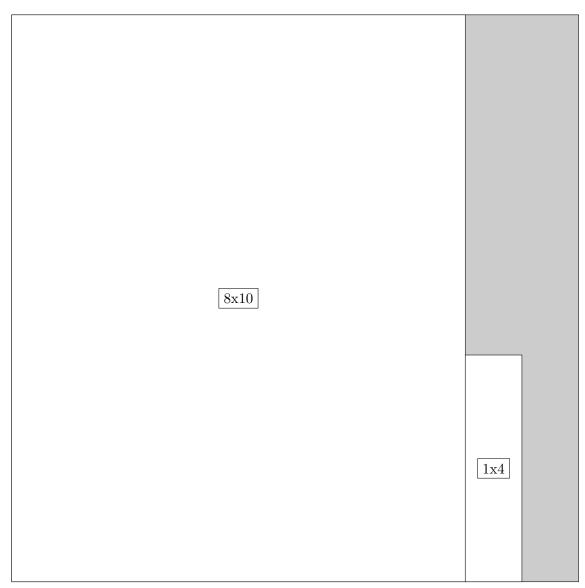


	[2x4]
8x10	
	2x5

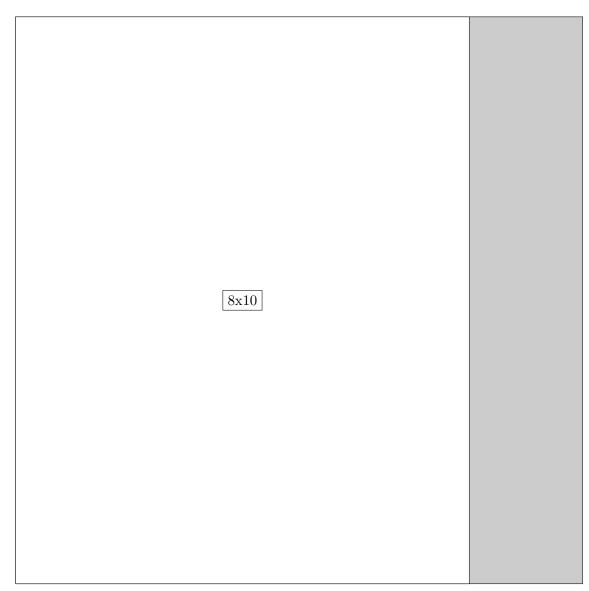
$$\le =8$$
 , h =10 , x =0 , y =0 , v =80

$$\mathbf{w}$$
 =2 , h =5 , x =8 , y =0 , v =10

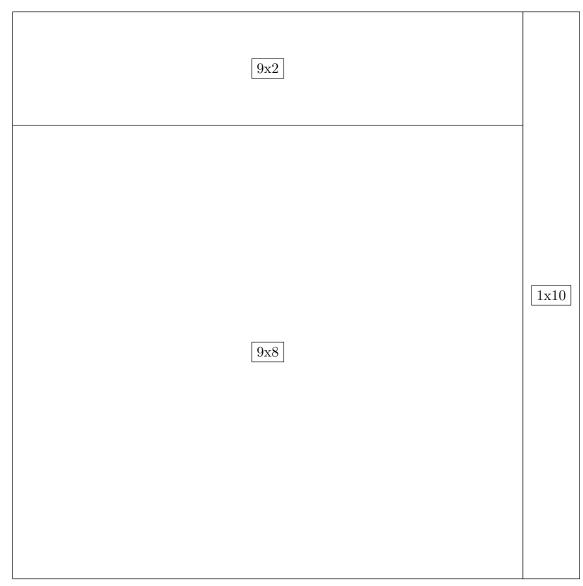
$$\mathbf{w}$$
 =2 , h =4 , x =8 , y =5 , v =8



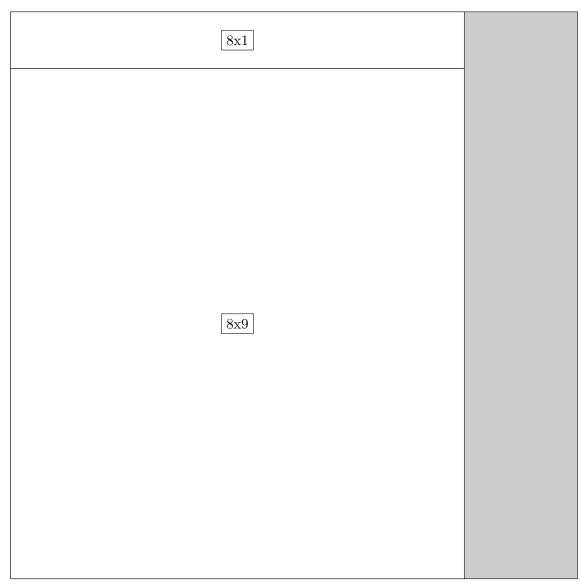
 $\begin{array}{l} w = 8 \ , \ h = \!\! 10 \ , \ x = \!\! 0 \ , \ y = \!\! 0 \ , \ v = \!\! 80 \\ w = \!\! 1 \ , \ h = \!\! 4 \ , \ x = \!\! 8 \ , \ y = \!\! 0 \ , \ v = \!\! 4 \end{array}$

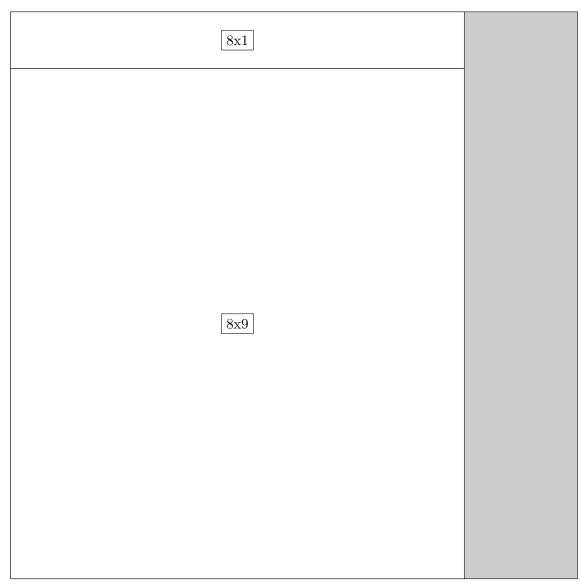


 $\le =8$, h =10 , x =0 , y =0 , v =80



$$\begin{array}{l} w = 9 \ , \ h = 8 \ , \ x = 0 \ , \ y = 0 \ , \ v = 72 \\ w = 9 \ , \ h = 2 \ , \ x = 0 \ , \ y = 8 \ , \ v = 18 \\ w = 1 \ , \ h = 10 \ , \ x = 9 \ , \ y = 0 \ , \ v = 10 \end{array}$$





	[3x1]
7x10	3x9

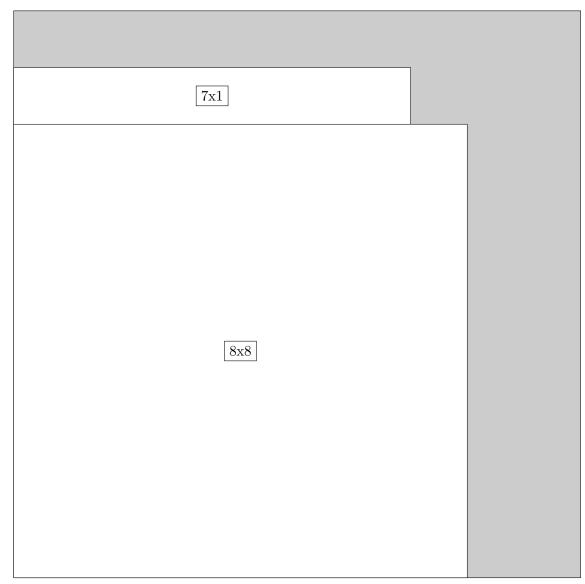
 \mathbf{w} =7 , h =10 , x =0 , y =0 , v =70

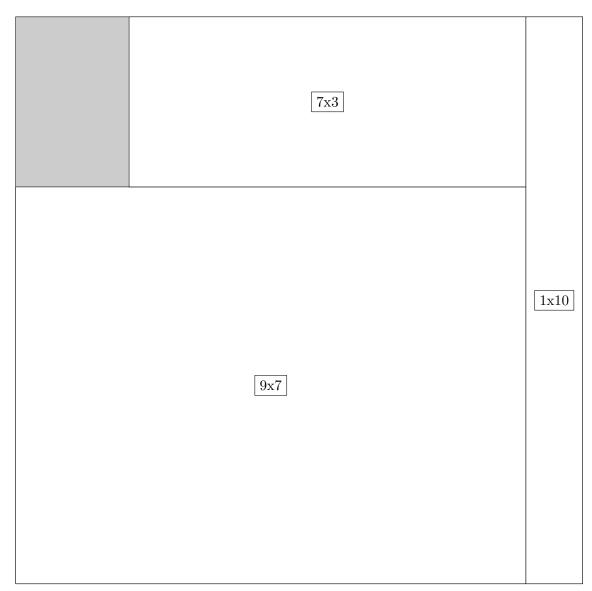
 $\le =3$, h =9 , x =7 , y =0 , v =27

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

	8x2	
[8x8]		2x8

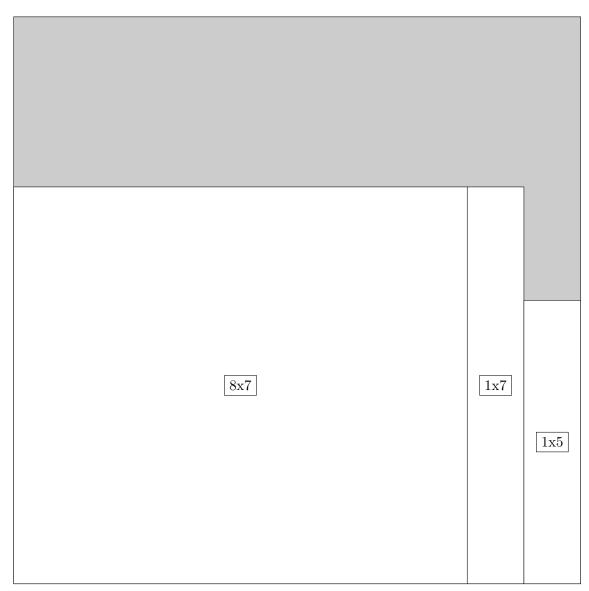
$$\begin{array}{l} w = 8 \;, \; h = 8 \;, \; x = 0 \;, \; y = 0 \;, \; v = 64 \\ w = 8 \;, \; h = 2 \;, \; x = 2 \;, \; y = 8 \;, \; v = 16 \\ w = 2 \;, \; h = 8 \;, \; x = 8 \;, \; y = 0 \;, \; v = 16 \end{array}$$





 $\begin{array}{l} w = 9 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 63 \\ w = 7 \ , \ h = 3 \ , \ x = 2 \ , \ y = 7 \ , \ v = 21 \\ w = 1 \ , \ h = 10 \ , \ x = 9 \ , \ y = 0 \ , \ v = 10 \end{array}$





 $\le = 8$, h =7 , x =0 , y =0 , v =56

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

 \mathbf{w} =1 , h =5 , x =9 , y =0 , v =5

6x4		4x4	
	9x6		

$$\begin{array}{l} w = 9 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 54 \\ w = 6 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 24 \\ w = 4 \ , \ h = 4 \ , \ x = 6 \ , \ y = 6 \ , \ v = 16 \end{array}$$

6x1	
	$\boxed{4\mathrm{x}4}$
6x9	4x6

$$\begin{array}{l} w = \! 4 \ , \ h = \! 4 \ , \ x = \! 6 \ , \ y = \! 6 \ , \ v = \! 16 \\ w = \! 6 \ , \ h = \! 1 \ , \ x = \! 0 \ , \ y = \! 9 \ , \ v = \! 6 \end{array}$$

7x3	[3x2]
7x7	[3x8]

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

$$\mathbf{w}$$
 =3 , h =8 , x =7 , y =0 , v =24

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

$$\mathbf{w}$$
 =3 , h =2 , x =7 , y =8 , v =6

3x1			[4x2]
		10x1	
	7x7		3x7

$$w = 3$$
, $h = 7$, $x = 7$, $y = 0$, $v = 21$

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

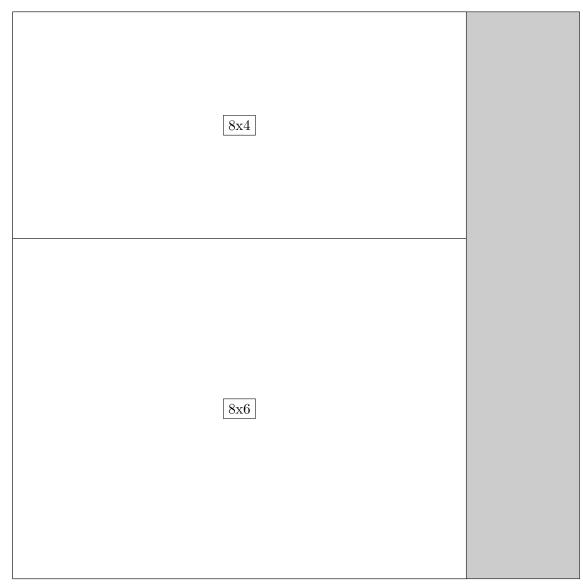
$$\mathbf{w}$$
 =10 , h =1 , x =0 , y =7 , v =10

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

$$w = 3$$
, $h = 1$, $x = 0$, $y = 8$, $v = 3$

7x7	3x7

 $\begin{array}{l} w = 7 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 49 \\ w = 3 \ , \ h = 7 \ , \ x = 7 \ , \ y = 0 \ , \ v = 21 \end{array}$



2x4		8x4	
	[7x6]		3x6

$$w = 7$$
, $h = 6$, $x = 0$, $y = 0$, $v = 42$

$$w = 8$$
, $h = 4$, $x = 2$, $y = 6$, $v = 32$

$$w = 3$$
 , $h = 6$, $x = 7$, $y = 0$, $v = 18$

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

10x3	
6x7	4x7

$$\begin{array}{l} w = 6 \;,\; h = 7 \;,\; x = 0 \;,\; y = 0 \;,\; v = 42 \\ w = 10 \;,\; h = 3 \;,\; x = 0 \;,\; y = 7 \;,\; v = 30 \\ w = 4 \;,\; h = 7 \;,\; x = 6 \;,\; y = 0 \;,\; v = 28 \end{array}$$

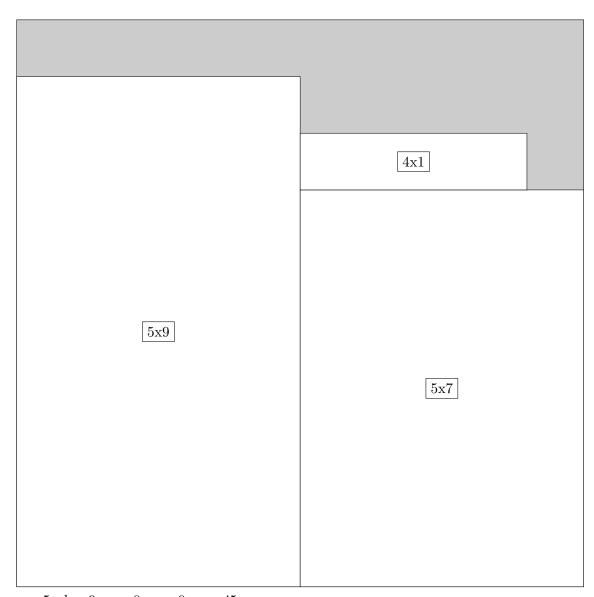
	10x4	
6x6		4x6

 $\begin{array}{l} w = \! 10 \ , \ h = \! 4 \ , \ x = \! 0 \ , \ y = \! 6 \ , \ v = \! 40 \\ w = \! 6 \ , \ h = \! 6 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 36 \\ w = \! 4 \ , \ h = \! 6 \ , \ x = \! 6 \ , \ y = \! 0 \ , \ v = \! 24 \end{array}$

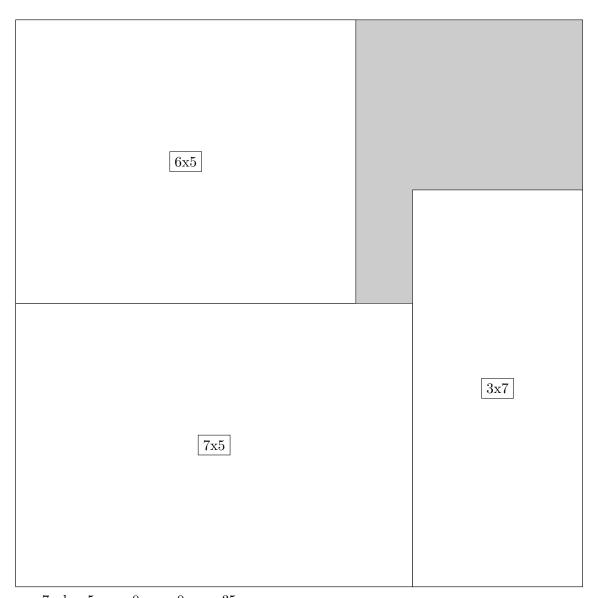
4x1	
[F-0]	5x10
5x9	

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

w = 4 , h = 1 , x = 1 , y = 9 , v = 4



 $\begin{array}{l} w = 5 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 45 \\ w = 5 \ , \ h = 7 \ , \ x = 5 \ , \ y = 0 \ , \ v = 35 \\ w = 4 \ , \ h = 1 \ , \ x = 5 \ , \ y = 7 \ , \ v = 4 \end{array}$



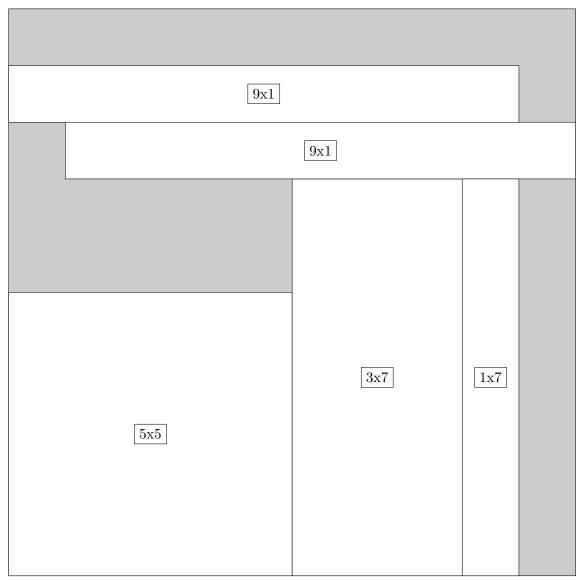
$$\begin{array}{l} w = 7 \ , \ h = 5 \ , \ x = 0 \ , \ y = 0 \ , \ v = 35 \\ w = 6 \ , \ h = 5 \ , \ x = 0 \ , \ y = 5 \ , \ v = 30 \\ w = 3 \ , \ h = 7 \ , \ x = 7 \ , \ y = 0 \ , \ v = 21 \end{array}$$

$$w = 3$$
, $h = 7$, $x = 7$, $y = 0$, $v = 21$

	9x5		
6x5		4x5	

$$\begin{array}{l} w = 9 \ , \, h = \! 5 \ , \, x = \! 0 \ , \, y = \! 5 \ , \, v = \! 45 \\ w = \! 6 \ , \, h = \! 5 \ , \, x = \! 0 \ , \, y = \! 0 \ , \, v = \! 30 \end{array}$$

$$\mathbf{w}$$
 =4 , h =5 , x =6 , y =0 , v =20



$$\mathbf{w}$$
 =5 , h =5 , x =0 , y =0 , v =25

$$\mathbf{w}$$
 =3 , h =7 , x =5 , y =0 , v =
21

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

$$\mathbf{w}=9$$
 , $\mathbf{h}=\!\!1$, $\mathbf{x}=\!\!0$, $\mathbf{y}=\!\!8$, $\mathbf{v}=\!\!9$

$$w = 1$$
, $h = 7$, $x = 8$, $y = 0$, $v = 7$