$ClassName: \ Class\_01.2bp-28$ 

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

TypeNum: <u>48</u> Num: <u>60</u> OutS: <u>1800</u> InS: <u>1737</u> Rate: <u>0.965</u> UB: <u>18</u> LB0: <u>18</u> LB: <u>18</u>

LBWithCut:  $\underline{\mathbf{18}}$ NodeCut:  $\underline{\mathbf{0}}$ 

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

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{18}}$ 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: 0.078 sTotalTime: 600.313 s

	[3x2]
7x9	3x8

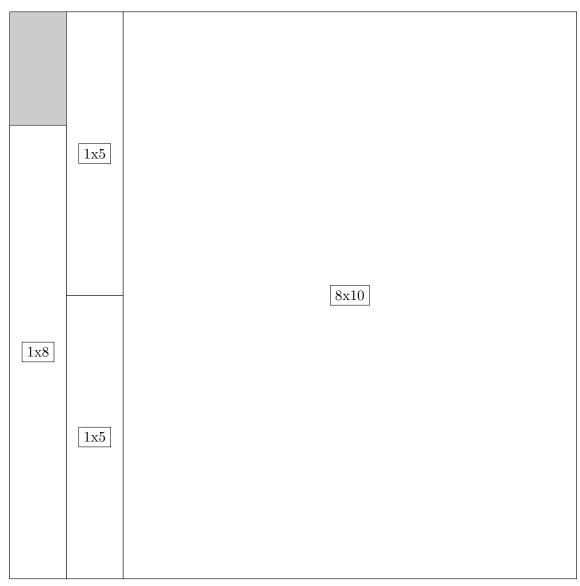
 $\le =3$  , h = 8 , x = 7 , y = 0 , v = 24

 $\le 3$  , h = 2 , x = 7 , y = 8 , v = 6

 $\mathbf{w}$  =7 , h =9 , x =0 , y =0 , v =63



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

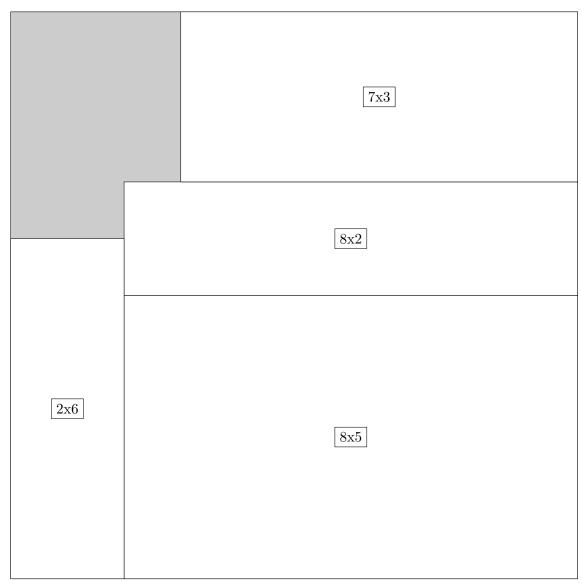


w =8 , h =10 , x =2 , y =0 , v =80

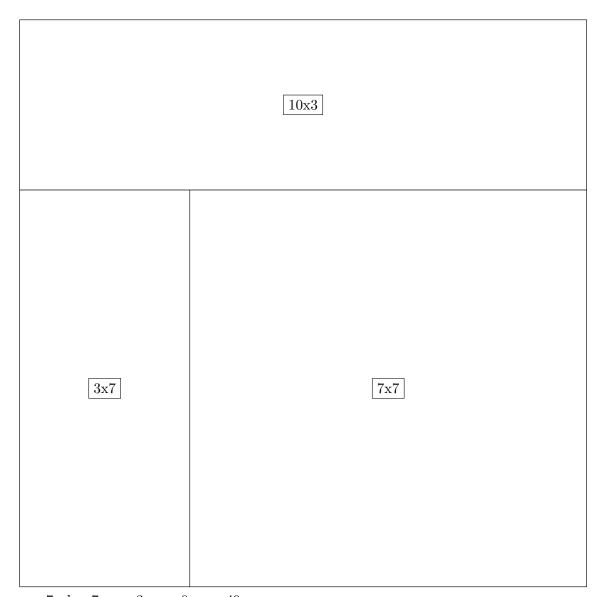
 $\mathbf{w}$  =1 , h =5 , x =1 , y =0 , v =5

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

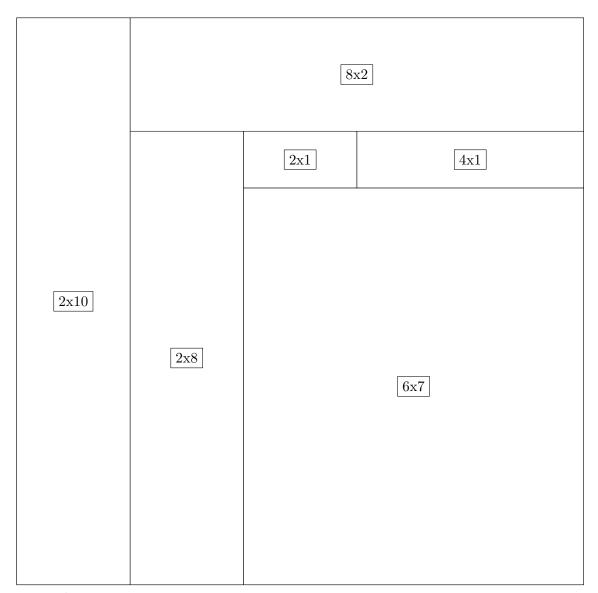
 $\mathbf{w}$  =1 , h =8 , x =0 , y =0 , v =8



 $\begin{array}{l} w=8 \ , \ h=5 \ , \ x=2 \ , \ y=0 \ , \ v=40 \\ w=8 \ , \ h=2 \ , \ x=2 \ , \ y=5 \ , \ v=16 \\ w=7 \ , \ h=3 \ , \ x=3 \ , \ y=7 \ , \ v=21 \\ w=2 \ , \ h=6 \ , \ x=0 \ , \ y=0 \ , \ v=12 \end{array}$ 



$$\begin{array}{l} w = 7 \ , \ h = 7 \ , \ x = 3 \ , \ y = 0 \ , \ v = 49 \\ w = 3 \ , \ h = 7 \ , \ x = 0 \ , \ y = 0 \ , \ v = 21 \\ w = 10 \ , \ h = 3 \ , \ x = 0 \ , \ y = 7 \ , \ v = 30 \end{array}$$



$$\mathbf{w}$$
 =6 , h =7 , x =4 , y =0 , v =42

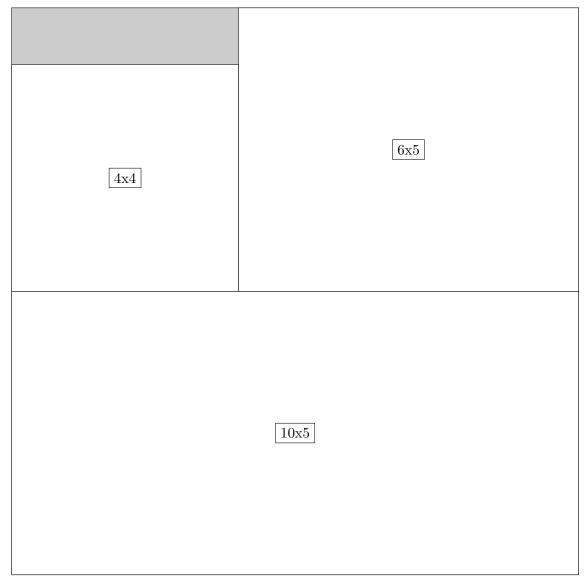
$$\mathbf{w}$$
 =4 , h =1 , x =6 , y =7 , v =4

$$\mathbf{w}$$
 =2 , h =1 , x =4 , y =7 , v =2

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

$$\le =8$$
 , h =2 , x =2 , y =8 , v =  
16

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



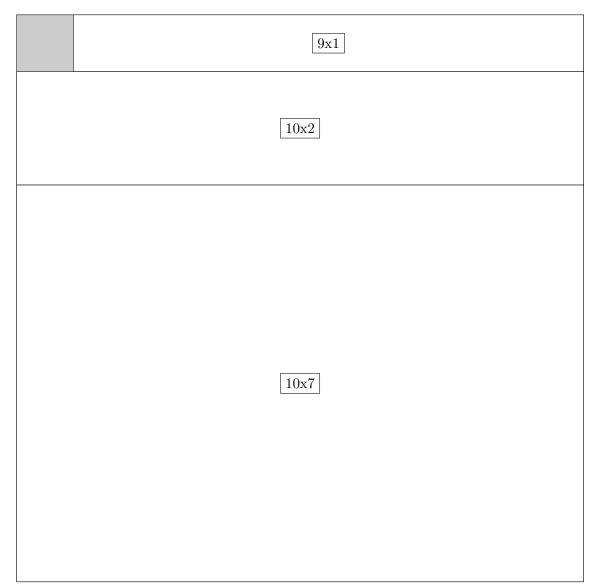
 $\begin{array}{l} w = \! 10 \; , \; h = \! 5 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 50 \\ w = \! 6 \; , \; h = \! 5 \; , \; x = \! 4 \; , \; y = \! 5 \; , \; v = \! 30 \\ w = \! 4 \; , \; h = \! 4 \; , \; x = \! 0 \; , \; y = \! 5 \; , \; v = \! 16 \end{array}$ 

	4x3	$5\mathrm{x}4$
1x6	4x6	5x6

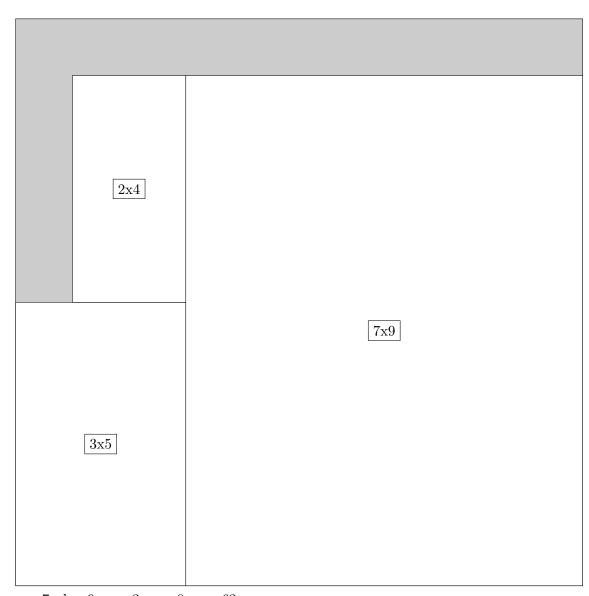
 $\begin{array}{l} w=5 \ , \ h=6 \ , \ x=5 \ , \ y=0 \ , \ v=30 \\ w=5 \ , \ h=4 \ , \ x=5 \ , \ y=6 \ , \ v=20 \\ w=4 \ , \ h=6 \ , \ x=1 \ , \ y=0 \ , \ v=24 \\ w=1 \ , \ h=6 \ , \ x=0 \ , \ y=0 \ , \ v=6 \\ w=4 \ , \ h=3 \ , \ x=1 \ , \ y=7 \ , \ v=12 \end{array}$ 



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

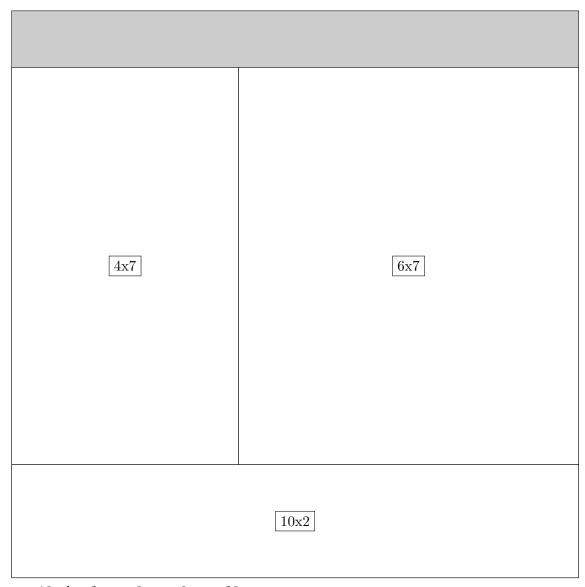


$$\begin{array}{l} w = & 10 \ , \ h = & 7 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 70 \\ w = & 10 \ , \ h = & 2 \ , \ x = & 0 \ , \ y = & 7 \ , \ v = & 20 \\ w = & 9 \ , \ h = & 1 \ , \ x = & 1 \ , \ y = & 9 \ , \ v = & 9 \end{array}$$



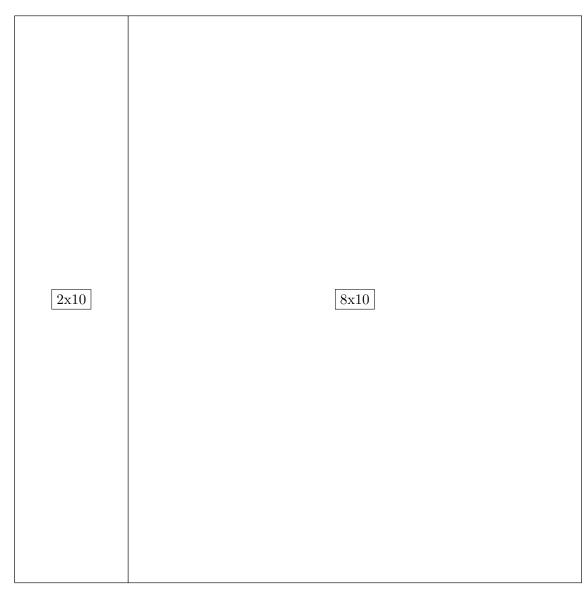
$$\begin{array}{l} w = 7 \ , \ h = 9 \ , \ x = 3 \ , \ y = 0 \ , \ v = 63 \\ w = 3 \ , \ h = 5 \ , \ x = 0 \ , \ y = 0 \ , \ v = 15 \end{array}$$

$$\mathbf{w}$$
 =2 , h =4 , x =1 , y =5 , v =8



 $\begin{array}{l} w = \! 10 \ , \ h = \! 2 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 20 \\ w = \! 6 \ , \ h = \! 7 \ , \ x = \! 4 \ , \ y = \! 2 \ , \ v = \! 42 \end{array}$ 

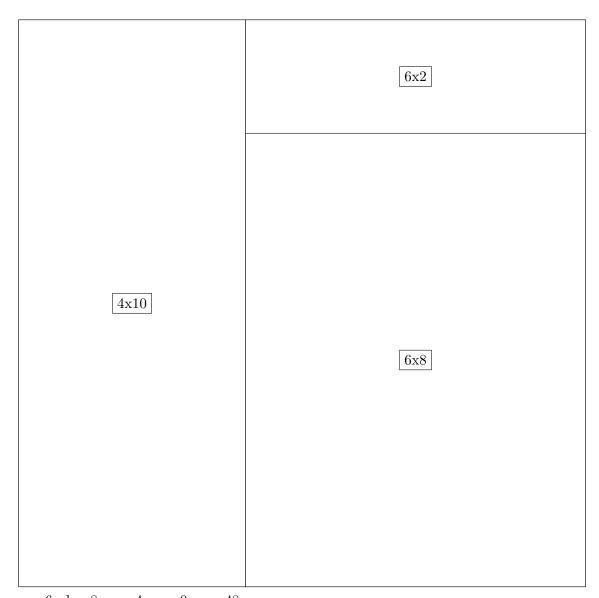
 $\mathbf{w}$  =4 , h =7 , x =0 , y =2 , v =28



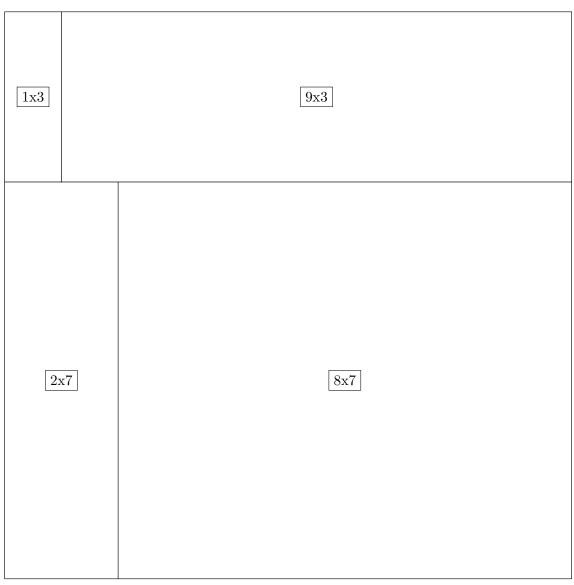
3x1		7x2
	[7x3]	
3x9	2x5	5x5

$$\begin{array}{l} w=5 \ , \ h=5 \ , \ x=5 \ , \ y=0 \ , \ v=25 \\ w=2 \ , \ h=5 \ , \ x=3 \ , \ y=0 \ , \ v=10 \\ w=7 \ , \ h=3 \ , \ x=3 \ , \ y=5 \ , \ v=21 \\ w=7 \ , \ h=2 \ , \ x=3 \ , \ y=8 \ , \ v=14 \\ w=3 \ , \ h=9 \ , \ x=0 \ , \ y=0 \ , \ v=27 \end{array}$$

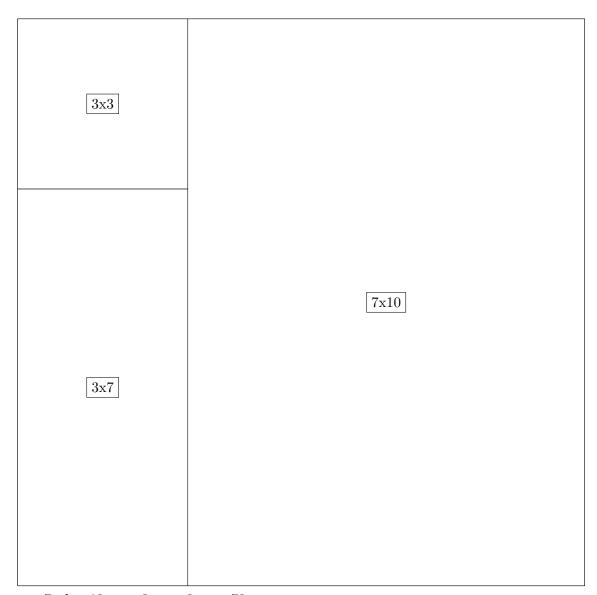
 $\mathbf{w}$  =3 , h =1 , x =0 , y =9 , v =3



 $\begin{array}{l} w=6 \ , \ h=8 \ , \ x=4 \ , \ y=0 \ , \ v=48 \\ w=6 \ , \ h=2 \ , \ x=4 \ , \ y=8 \ , \ v=12 \\ w=4 \ , \ h=10 \ , \ x=0 \ , \ y=0 \ , \ v=40 \end{array}$ 

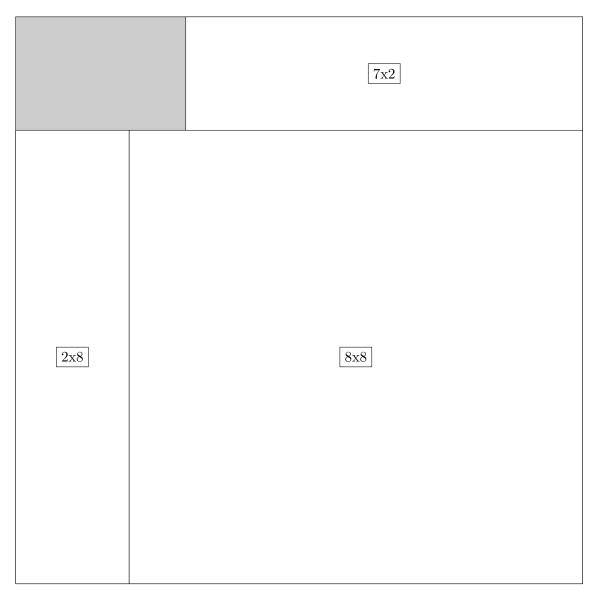


$$\begin{array}{l} w=8 \ , \ h=7 \ , \ x=2 \ , \ y=0 \ , \ v=56 \\ w=2 \ , \ h=7 \ , \ x=0 \ , \ y=0 \ , \ v=14 \\ w=9 \ , \ h=3 \ , \ x=1 \ , \ y=7 \ , \ v=27 \\ w=1 \ , \ h=3 \ , \ x=0 \ , \ y=7 \ , \ v=3 \end{array}$$



$$\begin{array}{l} w = 7 \ , \ h = \! 10 \ , \ x = \! 3 \ , \ y = \! 0 \ , \ v = \! 70 \\ w = \! 3 \ , \ h = \! 7 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 21 \end{array}$$

$$w = 3$$
,  $h = 3$ ,  $x = 0$ ,  $y = 7$ ,  $v = 9$ 



 $\begin{array}{l} w = 8 \ , \ h = 8 \ , \ x = 2 \ , \ y = 0 \ , \ v = 64 \\ w = 7 \ , \ h = 2 \ , \ x = 3 \ , \ y = 8 \ , \ v = 14 \\ w = 2 \ , \ h = 8 \ , \ x = 0 \ , \ y = 0 \ , \ v = 16 \end{array}$