${\bf ClassName:}\ {\bf Class_01.2bp\text{-}25}$

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

TypeNum: <u>47</u> Num: <u>60</u> OutS: <u>1700</u> InS: <u>1659</u> Rate: <u>0.976</u> UB: <u>17</u> LB0: <u>17</u>

LB: $\underline{17}$ LBWithCut: $\underline{17}$ NodeCut: $\underline{0}$

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{17}}$ 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: 600.328 s

5x1	
	5x10
5x8	

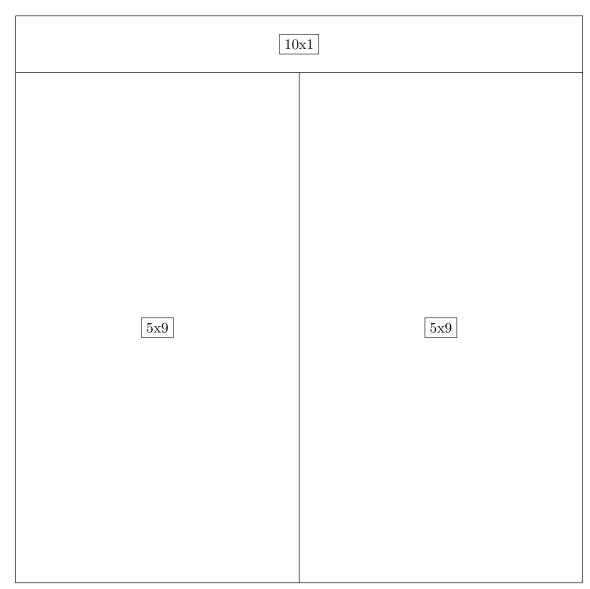
 $\begin{array}{l} w = \! 5 \ , \ h = \! 10 \ , \ x = \! 5 \ , \ y = \! 0 \ , \ v = \! 50 \\ w = \! 5 \ , \ h = \! 8 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 40 \end{array}$

 \mathbf{w} =5 , h =1 , x =0 , y =8 , v =5

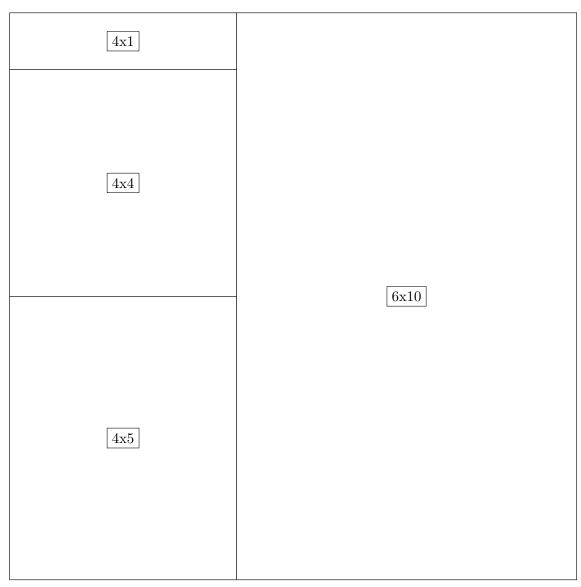
	6x3
	6x3
4x7	$6\mathrm{x}4$

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

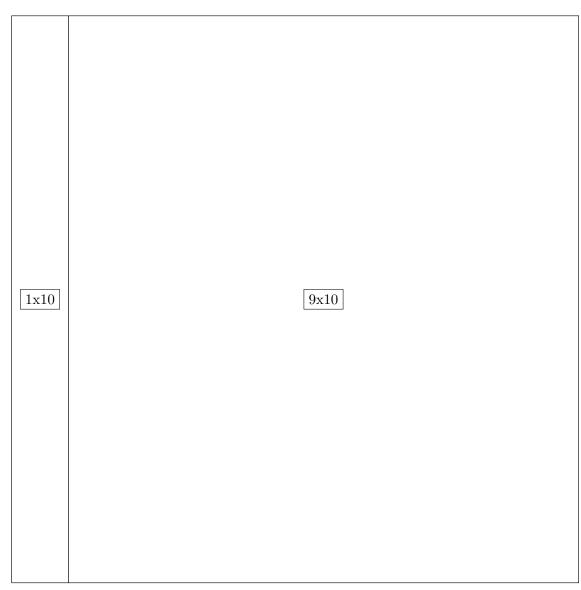
w = 4, h = 7, x = 0, y = 0, v = 28



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

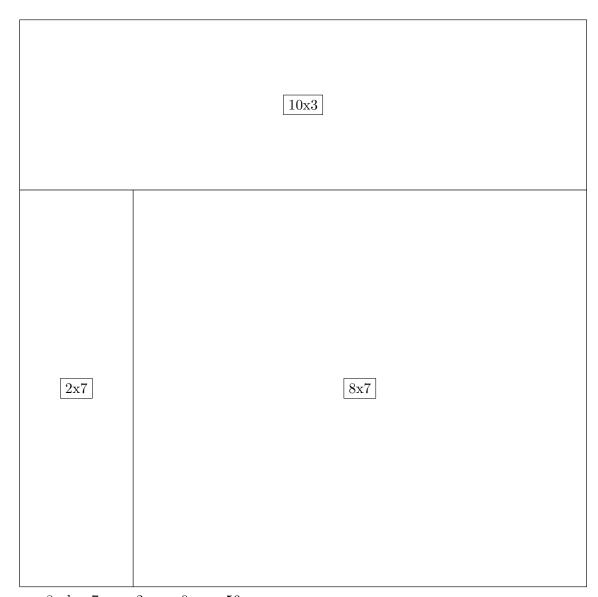


$$\begin{array}{l} w = 6 \ , \ h = \! 10 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 60 \\ w = \! 4 \ , \ h = \! 5 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 20 \\ w = \! 4 \ , \ h = \! 4 \ , \ x = \! 0 \ , \ y = \! 5 \ , \ v = \! 16 \\ w = \! 4 \ , \ h = \! 1 \ , \ x = \! 0 \ , \ y = \! 9 \ , \ v = \! 4 \end{array}$$

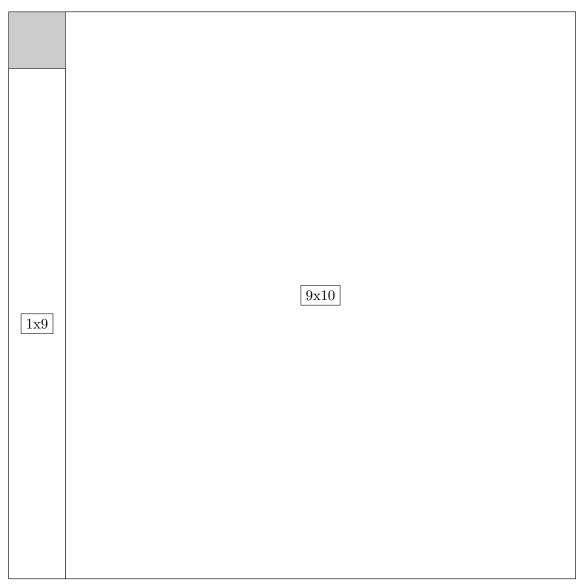


	[6x2]	
3x4	5x4	2x6
1x2	9x4	
1x2	[V.1.2]	

$$\begin{array}{l} w=9\ ,\, h=4\ ,\, x=1\ ,\, y=0\ ,\, v=36\\ w=1\ ,\, h=2\ ,\, x=0\ ,\, y=0\ ,\, v=2\\ w=1\ ,\, h=2\ ,\, x=0\ ,\, y=2\ ,\, v=2\\ w=2\ ,\, h=6\ ,\, x=8\ ,\, y=4\ ,\, v=12\\ w=5\ ,\, h=4\ ,\, x=3\ ,\, y=4\ ,\, v=20\\ w=3\ ,\, h=4\ ,\, x=0\ ,\, y=4\ ,\, v=12\\ w=6\ ,\, h=2\ ,\, x=2\ ,\, y=8\ ,\, v=12\\ \end{array}$$



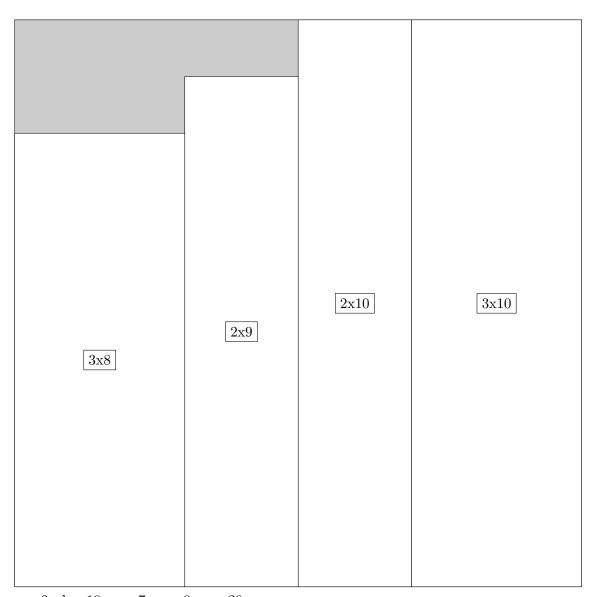
$$\begin{array}{l} w = 8 \;,\; h = 7 \;,\; x = 2 \;,\; y = 0 \;,\; v = 56 \\ w = 2 \;,\; h = 7 \;,\; x = 0 \;,\; y = 0 \;,\; v = 14 \\ w = 10 \;,\; h = 3 \;,\; x = 0 \;,\; y = 7 \;,\; v = 30 \end{array}$$



w =9, h =10, x =1, y =0, v =90 w =1, h =9, x =0, y =0, v =9

4x10	6x10

w =6, h =10, x =4, y =0, v =60 w =4, h =10, x =0, y =0, v =40

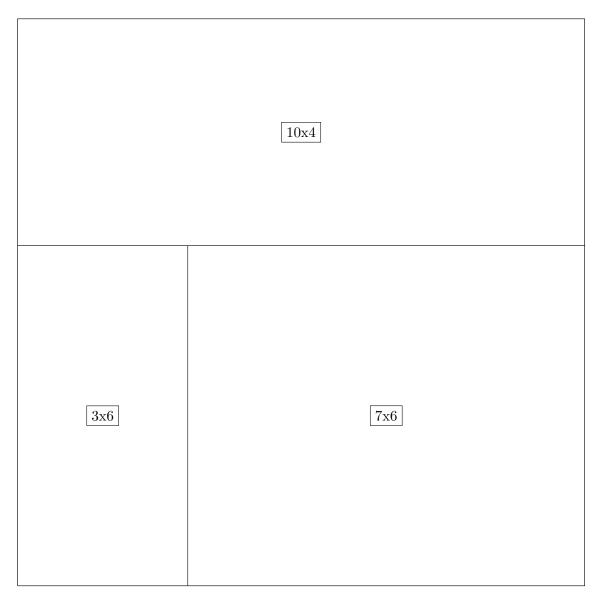


$$\le 3$$
 , h =10 , x =7 , y =0 , v =30

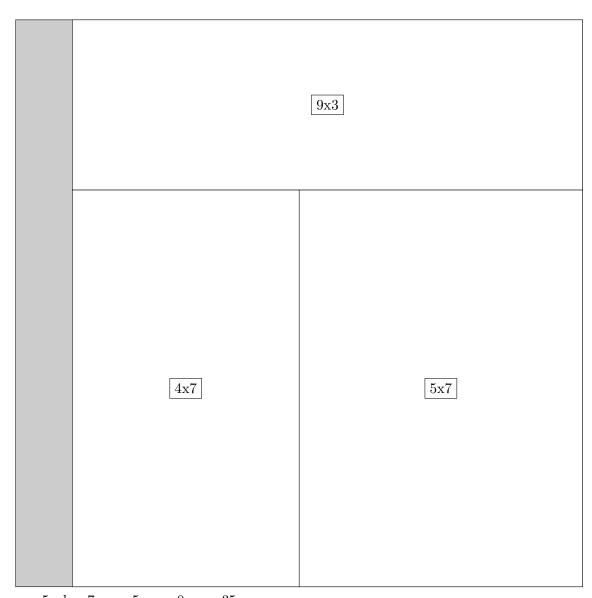
$$\mathbf{w}$$
 =2 , h =10 , x =5 , y =0 , v =20

$$w = 2$$
 , $h = 9$, $x = 3$, $y = 0$, $v = 18$

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



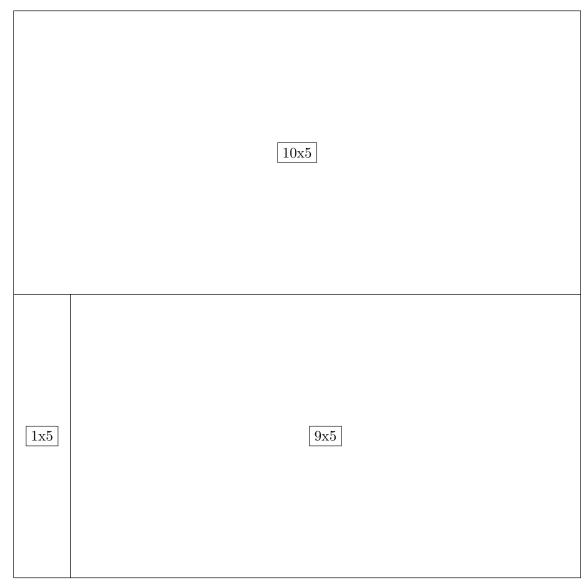
$$\begin{array}{l} w = 7 \ , \ h = 6 \ , \ x = 3 \ , \ y = 0 \ , \ v = 42 \\ w = 3 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 18 \\ w = 10 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 40 \end{array}$$



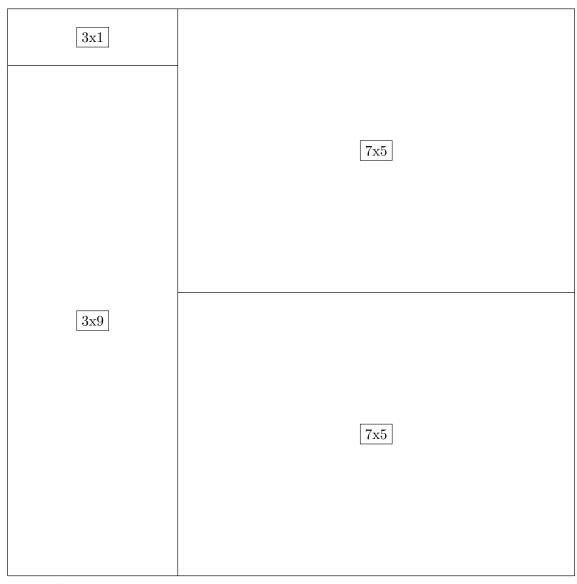
 $\begin{array}{l} w = 5 \ , \ h = 7 \ , \ x = 5 \ , \ y = 0 \ , \ v = 35 \\ w = 4 \ , \ h = 7 \ , \ x = 1 \ , \ y = 0 \ , \ v = 28 \\ w = 9 \ , \ h = 3 \ , \ x = 1 \ , \ y = 7 \ , \ v = 27 \end{array}$

	[9x1]
3x1	
3x8	7x9

$$\begin{array}{l} w=7\ ,\, h=9\ ,\, x=3\ ,\, y=0\ ,\, v=63\\ w=3\ ,\, h=8\ ,\, x=0\ ,\, y=0\ ,\, v=24\\ w=3\ ,\, h=1\ ,\, x=0\ ,\, y=8\ ,\, v=3\\ w=9\ ,\, h=1\ ,\, x=1\ ,\, y=9\ ,\, v=9 \end{array}$$



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



$$\mathbf{w}$$
 =7 , h =5 , x =3 , y =0 , v =35

$$\mathbf{w}$$
 =7 , h =5 , x =3 , y =5 , v =35

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

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

	$5\mathrm{x}4$	5x3
2x6	3x6	5x7

 $\begin{array}{l} w = 5 \ , \ h = 7 \ , \ x = 5 \ , \ y = 0 \ , \ v = 35 \\ w = 5 \ , \ h = 3 \ , \ x = 5 \ , \ y = 7 \ , \ v = 15 \\ w = 3 \ , \ h = 6 \ , \ x = 2 \ , \ y = 0 \ , \ v = 18 \\ w = 2 \ , \ h = 6 \ , \ x = 0 \ , \ y = 0 \ , \ v = 12 \\ w = 5 \ , \ h = 4 \ , \ x = 0 \ , \ y = 6 \ , \ v = 20 \end{array}$

[3x2]	7x2
2x8	8x8

$$\begin{array}{l} w=8 \ , \ h=8 \ , \ x=2 \ , \ y=0 \ , \ v=64 \\ w=2 \ , \ h=8 \ , \ x=0 \ , \ y=0 \ , \ v=16 \\ w=7 \ , \ h=2 \ , \ x=3 \ , \ y=8 \ , \ v=14 \\ w=3 \ , \ h=2 \ , \ x=0 \ , \ y=8 \ , \ v=6 \end{array}$$