$ClassName: \ Class\_01.2bp-26$ 

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

TypeNum: <u>48</u>
Num: <u>60</u>
OutS: <u>1600</u>
InS: <u>1480</u>
Rate: <u>0.925</u>
UB: <u>16</u>
LB0: <u>16</u>
LB: <u>16</u>

LBWithCut:  $\underline{\mathbf{16}}$ NodeCut:  $\underline{\mathbf{0}}$ 

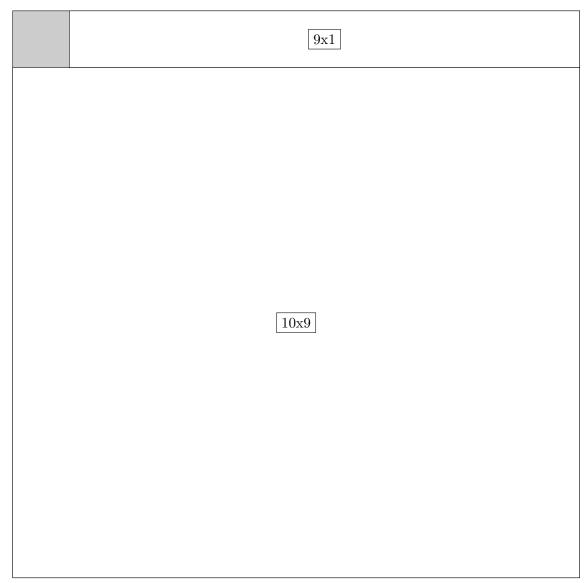
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{16}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

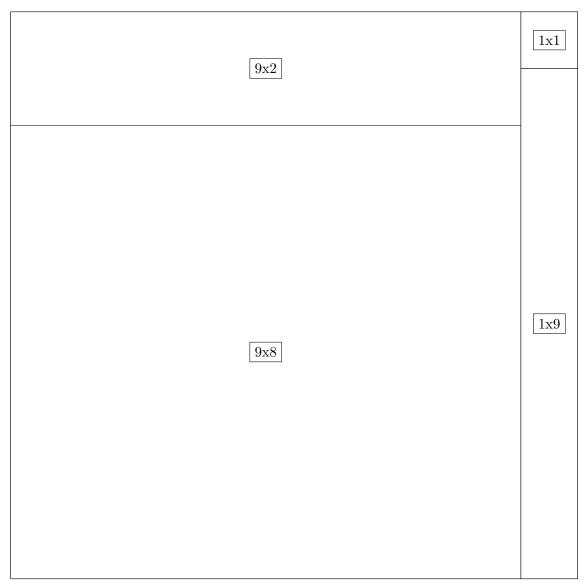
TimeOnInitSolution:  $\underline{120.010 \text{ s}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 120.150 s



1x2	2x2	[7x2]
		$10\mathrm{x}8$

$$\begin{array}{l} w = & 10 \ , \ h = & 8 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 80 \\ w = & 7 \ , \ h = & 2 \ , \ x = & 3 \ , \ y = & 8 \ , \ v = & 14 \\ w = & 2 \ , \ h = & 2 \ , \ x = & 1 \ , \ y = & 8 \ , \ v = & 4 \\ w = & 1 \ , \ h = & 2 \ , \ x = & 0 \ , \ y = & 8 \ , \ v = & 2 \end{array}$$



$$w=9$$
 ,  $h=8$  ,  $x=0$  ,  $y=0$  ,  $v=72$ 

$$\mathbf{w}$$
 =9 , h =2 , x =0 , y =8 , v =18

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

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

6x1 6x1	- 4x2	
8x8		2x8

$$w = 8$$
,  $h = 8$ ,  $x = 0$ ,  $y = 0$ ,  $v = 64$ 

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

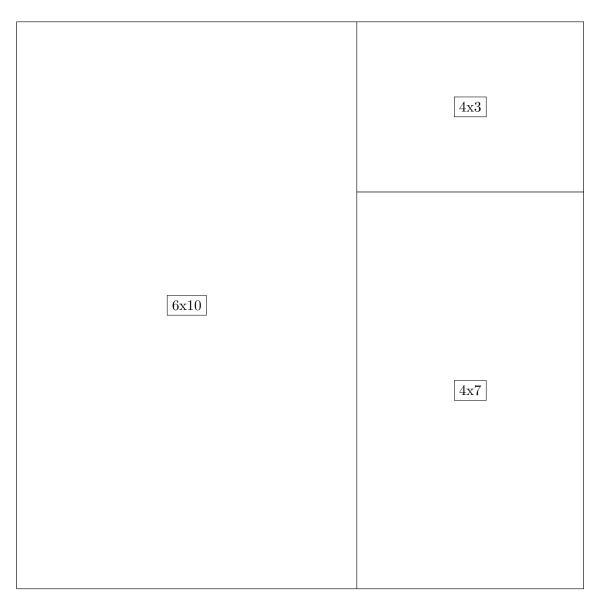
$$w = 4$$
,  $h = 2$ ,  $x = 6$ ,  $y = 8$ ,  $v = 8$ 

$$\mathbf{w}$$
 =6 , h =1 , x =0 , y =8 , v =6

$$w = 6$$
,  $h = 1$ ,  $x = 0$ ,  $y = 9$ ,  $v = 6$ 

[7x1]	
7x9	3x10

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



$$\mathbf{w}$$
 =6 , h =10 , x =0 , y =0 , v =60

$$\mathbf{w}$$
 =4 , h =7 , x =6 , y =0 , v =28

$$\mathbf{w}$$
 =4 , h =3 , x =6 , y =7 , v =12

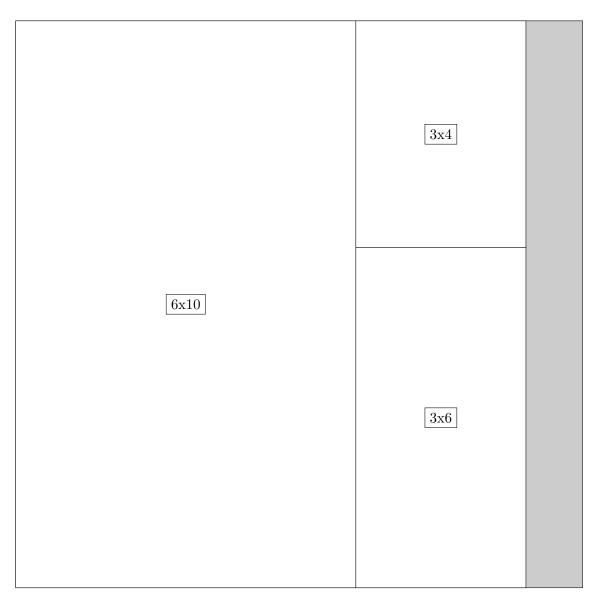
	2x5	2x5
6x10	42	<b>κ</b> 5

$$\mathbf{w}$$
 =6 , h =10 , x =0 , y =0 , v =60

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

$$\le =2$$
 , h =  
5 , x =  
6 , y =  
5 , v =  
10

$$w=2$$
 ,  $h=\!5$  ,  $x=\!8$  ,  $y=\!5$  ,  $v=\!10$ 



$$\mathbf{w}$$
 =6 , h =10 , x =0 , y =0 , v =60

$$\mathbf{w}$$
 =3 , h =6 , x =6 , y =0 , v =18

$$\mathbf{w}$$
 =3 , h =4 , x =6 , y =6 , v =12

10x3	
7x7	3x7

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

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

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

1x4		[9x4]	
	8x6		2x6

$$\mathbf{w}$$
 =8 , h =6 , x =0 , y =0 , v =48

$$w = 9$$
,  $h = 4$ ,  $x = 1$ ,  $y = 6$ ,  $v = 36$ 

$$\mathbf{w}$$
 =2 , h =6 , x =8 , y =0 , v =12

$$\mathbf{w}$$
 =1 , h =4 , x =0 , y =6 , v =4

3x1	[5x1]	
10	)x9	

$$\begin{array}{l} w = & 10 \ , \ h = & 9 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 90 \\ w = & 5 \ , \ h = & 1 \ , \ x = & 5 \ , \ y = & 9 \ , \ v = & 5 \\ w = & 3 \ , \ h = & 1 \ , \ x = & 2 \ , \ y = & 9 \ , \ v = & 3 \end{array}$$

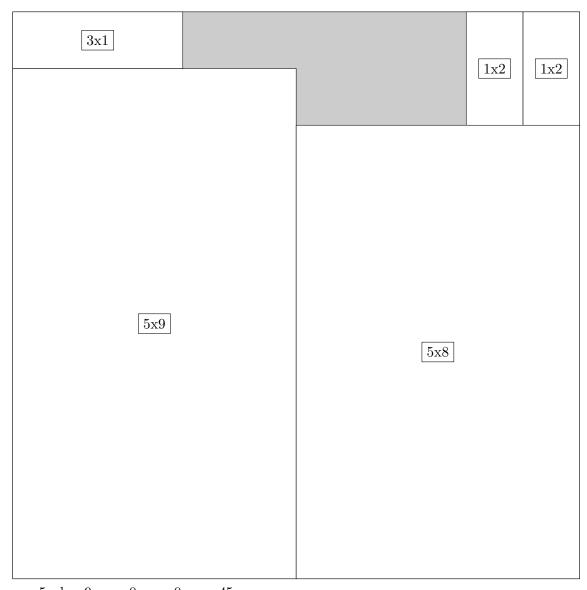
2x4	8x5	
	9x5	1x5

$$w = 9$$
,  $h = 5$ ,  $x = 0$ ,  $y = 0$ ,  $v = 45$ 

$$w = 8$$
,  $h = 5$ ,  $x = 2$ ,  $y = 5$ ,  $v = 40$ 

$$\mathbf{w}$$
 =2 , h =4 , x =0 , y =5 , v =8

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



$$\begin{array}{l} w = 5 \ , \ h = 9 \ , \ x = 0 \ , \ y = 0 \ , \ v = 45 \\ w = 5 \ , \ h = 8 \ , \ x = 5 \ , \ y = 0 \ , \ v = 40 \end{array}$$

$$\le =3$$
 , h =1 , x =0 , y =9 , v =3

$$\mathbf{w}$$
 =1 , h =2 , x =9 , y =8 , v =2

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

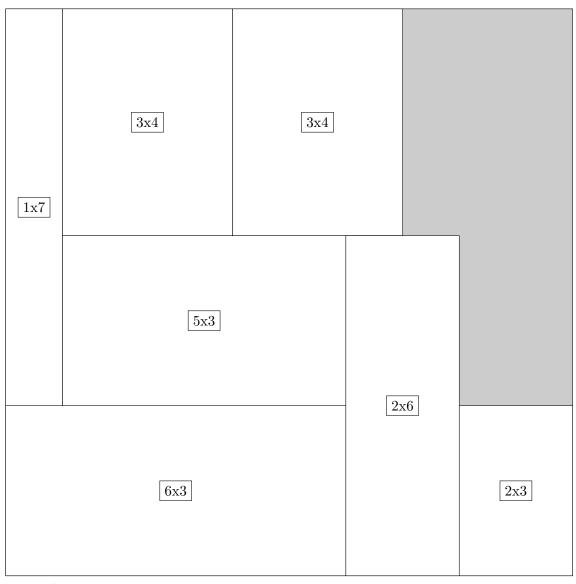
2x3		[7x3]	
	8x3		
	8x4		2x7

$$w = 8$$
,  $h = 4$ ,  $x = 0$ ,  $y = 0$ ,  $v = 32$ 

$$\begin{array}{l} w = 8 \ , \ h = 3 \ , \ x = 0 \ , \ y = 4 \ , \ v = 24 \\ w = 7 \ , \ h = 3 \ , \ x = 3 \ , \ y = 7 \ , \ v = 21 \end{array}$$

$$w = 2$$
,  $h = 7$ ,  $x = 8$ ,  $y = 0$ ,  $v = 14$ 

$$w = 2$$
,  $h = 7$ ,  $x = 6$ ,  $y = 6$ ,  $v = 16$   
 $w = 2$ ,  $h = 3$ ,  $x = 1$ ,  $y = 7$ ,  $v = 6$ 



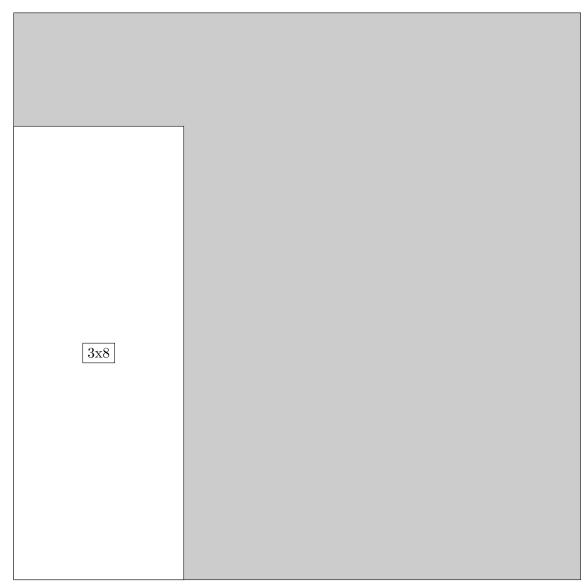
$$\begin{array}{l} w = 6 \ , \ h = 3 \ , \ x = 0 \ , \ y = 0 \ , \ v = 18 \\ w = 5 \ , \ h = 3 \ , \ x = 1 \ , \ y = 3 \ , \ v = 15 \end{array}$$

$$w = 3$$
,  $h = 4$ ,  $x = 4$ ,  $y = 6$ ,  $v = 12$ 

$$w = 2$$
,  $h = 6$ ,  $x = 6$ ,  $y = 0$ ,  $v = 12$ 

$$\mathbf{w}$$
 =1 , h =7 , x =0 , y =3 , v =7

$$w = 2$$
,  $h = 3$ ,  $x = 8$ ,  $y = 0$ ,  $v = 6$ 



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