$ClassName: \ Class\_02.2bp\text{-}33$ 

BinSize:  $30 \times 30$ ReduceSize:  $30 \times 30$ 

TypeNum: <u>58</u> Num: <u>80</u> OutS: <u>2700</u> InS: <u>2438</u> Rate: <u>0.903</u>

UB: <u>3</u> LB0: <u>3</u> LB: **3** 

LBWithCut:  $\underline{\mathbf{3}}$  NodeCut:  $\underline{\mathbf{0}}$ 

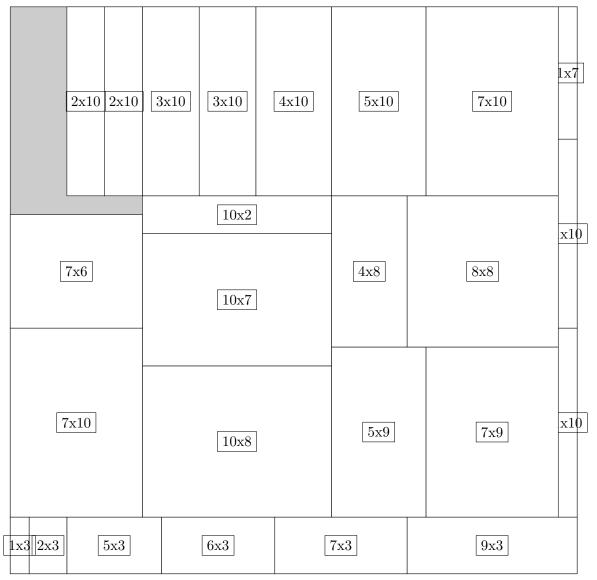
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{3}}$ 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: 0.062 sTotalTime: 600.312 s



$$w = 9$$
,  $h = 3$ ,  $x = 21$ ,  $y = 0$ ,  $v = 27$ 

$$w = 7$$
,  $h = 3$ ,  $x = 14$ ,  $y = 0$ ,  $v = 21$ 

$$w = 6$$
,  $h = 3$ ,  $x = 8$ ,  $y = 0$ ,  $v = 18$ 

$$w = 5$$
,  $h = 3$ ,  $x = 3$ ,  $y = 0$ ,  $v = 15$ 

$$w = 2$$
,  $h = 3$ ,  $x = 1$ ,  $y = 0$ ,  $v = 6$ 

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

$$w = 1$$
,  $h = 10$ ,  $x = 29$ ,  $y = 3$ ,  $v = 10$ 

$$w = 1$$
,  $h = 10$ ,  $x = 29$ ,  $y = 13$ ,  $v = 10$ 

$$w = 1$$
,  $h = 7$ ,  $x = 29$ ,  $y = 23$ ,  $v = 7$ 

$$w = 7$$
,  $h = 9$ ,  $x = 22$ ,  $y = 3$ ,  $v = 63$ 

$$w = 5$$
,  $h = 9$ ,  $x = 17$ ,  $y = 3$ ,  $v = 45$ 

$$w = 8$$
,  $h = 8$ ,  $x = 21$ ,  $y = 12$ ,  $v = 64$ 

$$\mathbf{w}$$
 =4 , h =8 , x =17 , y =12 , v =32

$$w = 10$$
,  $h = 8$ ,  $x = 7$ ,  $y = 3$ ,  $v = 80$ 

$$w = 10$$
,  $h = 7$ ,  $x = 7$ ,  $y = 11$ ,  $v = 70$ 

$$w = 10$$
,  $h = 2$ ,  $x = 7$ ,  $y = 18$ ,  $v = 20$ 

$$w$$
 =7 , h =10 , x =0 , y =3 , v =70

$$w = 7$$
,  $h = 6$ ,  $x = 0$ ,  $y = 13$ ,  $v = 42$ 

$$\mathbf{w}$$
 =7 , h =10 , x =22 , y =20 , v =70

$$\le 5$$
 , h =10 , x =17 , y =20 , v =50

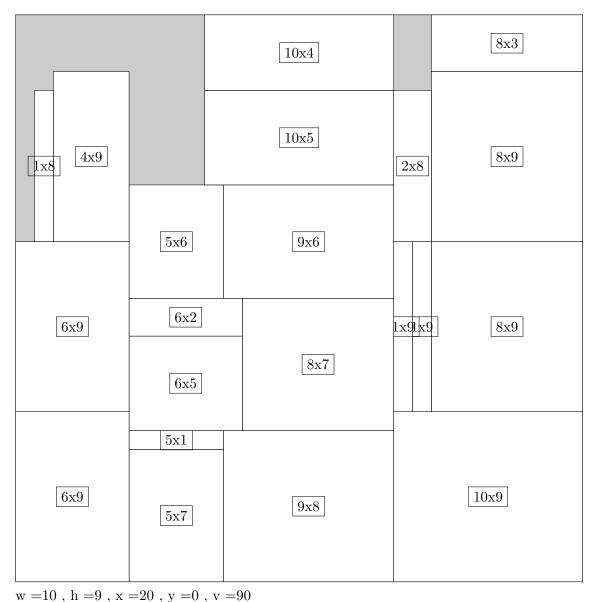
$$w=\!4$$
 ,  $h=\!10$  ,  $x=\!13$  ,  $y=\!20$  ,  $v=\!40$ 

$$\le =3$$
 , h =10 , x =10 , y =20 , v =30

$$w = 3$$
,  $h = 10$ ,  $x = 7$ ,  $y = 20$ ,  $v = 30$ 

$$w=2$$
 ,  $h=\!10$  ,  $x=\!5$  ,  $y=\!20$  ,  $v=\!20$ 

$$w = 2$$
,  $h = 10$ ,  $x = 3$ ,  $y = 20$ ,  $v = 20$ 



```
w = 8, h = 9, x = 22, y = 9, v = 72

w = 1, h = 9, x = 21, y = 9, v = 9

w = 1, h = 9, x = 20, y = 9, v = 9

w = 8, h = 9, x = 22, y = 18, v = 72

w = 2, h = 8, x = 20, y = 18, v = 16

w = 8, h = 3, x = 22, y = 27, v = 24

w = 9, h = 8, x = 11, y = 0, v = 72

w = 5, h = 7, x = 6, y = 0, v = 35

w = 5, h = 1, x = 6, y = 7, v = 5

w = 8, h = 7, x = 12, y = 8, v = 56

w = 6, h = 5, x = 6, y = 13, v = 12

w = 9, h = 6, x = 11, y = 15, v = 54

w = 5, h = 6, x = 6, y = 15, v = 30

w = 10, h = 5, x = 10, y = 21, v = 50
```

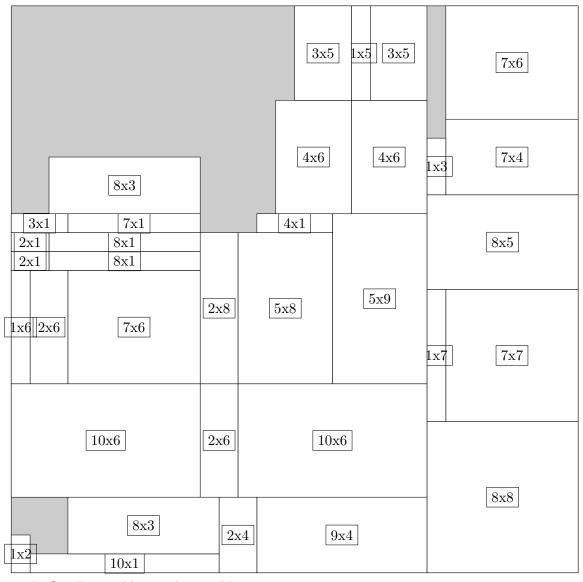
 $\le =10$  , h =4 , x =10 , y =26 , v =40

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

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

 $\mathbf{w}$  =4 , h =9 , x =2 , y =18 , v =36

 $\mathbf{w}$  =1 , h =8 , x =1 , y =18 , v =8



$$w = 8$$
,  $h = 8$ ,  $x = 22$ ,  $y = 0$ ,  $v = 64$ 

$$w$$
 =7 ,  $h$  =7 ,  $x$  =23 ,  $y$  =8 ,  $v$  =49

$$w = 1$$
,  $h = 7$ ,  $x = 22$ ,  $y = 8$ ,  $v = 7$ 

$$w = 8$$
,  $h = 5$ ,  $x = 22$ ,  $y = 15$ ,  $v = 40$ 

$$w = 7$$
,  $h = 4$ ,  $x = 23$ ,  $y = 20$ ,  $v = 28$ 

$$\mathbf{w}$$
 =1 , h =3 , x =22 , y =20 , v =3

$$w = 7$$
,  $h = 6$ ,  $x = 23$ ,  $y = 24$ ,  $v = 42$ 

$$w = 9$$
,  $h = 4$ ,  $x = 13$ ,  $y = 0$ ,  $v = 36$ 

$$w = 2$$
,  $h = 4$ ,  $x = 11$ ,  $y = 0$ ,  $v = 8$ 

$$w = 10$$
,  $h = 1$ ,  $x = 1$ ,  $y = 0$ ,  $v = 10$ 

$$w = 8$$
,  $h = 3$ ,  $x = 3$ ,  $y = 1$ ,  $v = 24$ 

$$w = 1$$
,  $h = 2$ ,  $x = 0$ ,  $y = 0$ ,  $v = 2$ 

$$\le =10$$
 , h =6 , x =12 , y =4 , v =60

$$w = 2$$
,  $h = 6$ ,  $x = 10$ ,  $y = 4$ ,  $v = 12$ 

$$w = 5$$
,  $h = 9$ ,  $x = 17$ ,  $y = 10$ ,  $v = 45$ 

$$w = 5$$
,  $h = 8$ ,  $x = 12$ ,  $y = 10$ ,  $v = 40$ 

```
w = 4, h = 1, x = 13, y = 18, v = 4
w = 2, h = 8, x = 10, y = 10, v = 16
w = 4, h = 6, x = 18, y = 19, v = 24
w = 3, h = 5, x = 19, y = 25, v = 15
w = 1, h = 5, x = 18, y = 25, v = 5
w = 4, h = 6, x = 14, y = 19, v = 24
w = 3, h = 5, x = 15, y = 25, v = 15
\mathbf{w} =10 , h =6 , x =0 , y =4 , v =60
w = 7, h = 6, x = 3, y = 10, v = 42
w = 2, h = 6, x = 1, y = 10, v = 12
w = 1, h = 6, x = 0, y = 10, v = 6
w = 8, h = 1, x = 2, y = 16, v = 8
w = 2, h = 1, x = 0, y = 16, v = 2
w = 8, h = 1, x = 2, y = 17, v = 8
w = 2, h = 1, x = 0, y = 17, v = 2
w = 7, h = 1, x = 3, y = 18, v = 7
w = 3, h = 1, x = 0, y = 18, v = 3
w = 8, h = 3, x = 2, y = 19, v = 24
```