$ClassName: \ Class\_02.2bp-37$ 

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

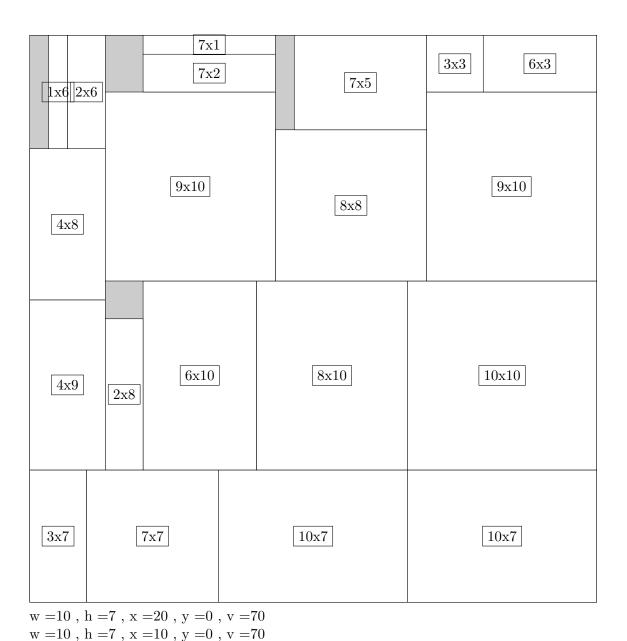
TypeNum:  $\underline{56}$ Num:  $\underline{80}$ OutS:  $\underline{2700}$ InS:  $\underline{2644}$ Rate:  $\underline{0.979}$ 

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

LBWithCut:  $\underline{\mathbf{3}}$ NodeCount:  $\underline{\mathbf{0}}$ 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:  $\underline{\mathbf{true}}$ 

 $\begin{array}{ll} \text{TimeOnPrimal: } \underline{0.000 \text{ s}} \\ \text{TimeOnPricing: } \underline{0.000 \text{ s}} \\ \text{TimeOnRmp: } \underline{0.062 \text{ s}} \\ \text{TotalTime: } \underline{0.203 \text{ s}} \end{array}$ 



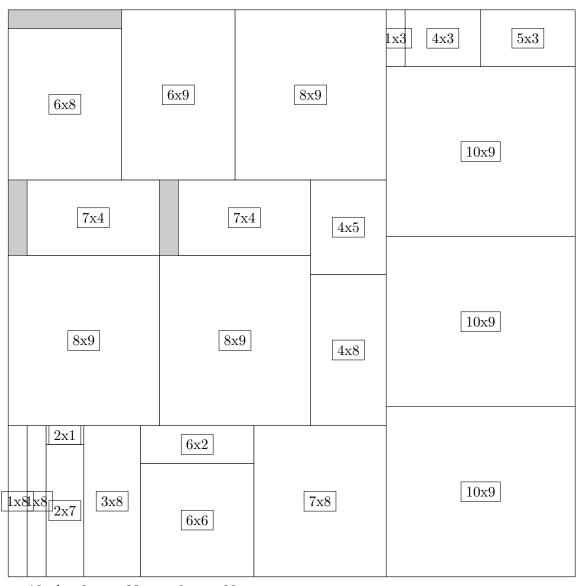
w = 7, h = 1, x = 6, y = 29, v = 7

w =4, h =9, x =0, y =7, v =36

 $\mathbf{w}=\!\!4$  ,  $\mathbf{h}=\!\!8$  ,  $\mathbf{x}=\!\!0$  ,  $\mathbf{y}=\!\!16$  ,  $\mathbf{v}=\!\!32$ 

 $\mathbf{w}$  =2 , h =6 , x =2 , y =24 , v =12

 $\mathbf{w}$  =1 , h =6 , x =1 , y =24 , v =6



$$w = 10 , h = 9 , x = 20 , y = 0 , v = 90$$

$$w$$
 =10 , h =9 , x =20 , y =9 , v =90

$$w = 10$$
,  $h = 9$ ,  $x = 20$ ,  $y = 18$ ,  $v = 90$ 

$$w = 5$$
,  $h = 3$ ,  $x = 25$ ,  $y = 27$ ,  $v = 15$ 

$$w = 4$$
,  $h = 3$ ,  $x = 21$ ,  $y = 27$ ,  $v = 12$ 

$$\mathbf{w}$$
 =1 , h =3 , x =20 , y =27 , v =3

$$w = 7$$
,  $h = 8$ ,  $x = 13$ ,  $y = 0$ ,  $v = 56$ 

$$w = 6$$
,  $h = 6$ ,  $x = 7$ ,  $y = 0$ ,  $v = 36$ 

$$w = 6$$
,  $h = 2$ ,  $x = 7$ ,  $y = 6$ ,  $v = 12$ 

$$w = 3$$
,  $h = 8$ ,  $x = 4$ ,  $y = 0$ ,  $v = 24$ 

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

$$w = 2$$
,  $h = 1$ ,  $x = 2$ ,  $y = 7$ ,  $v = 2$ 

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

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

$$w = 4$$
,  $h = 8$ ,  $x = 16$ ,  $y = 8$ ,  $v = 32$ 

$$w = 4$$
,  $h = 5$ ,  $x = 16$ ,  $y = 16$ ,  $v = 20$ 

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

w = 7, h = 4, x = 9, y = 17, v = 28

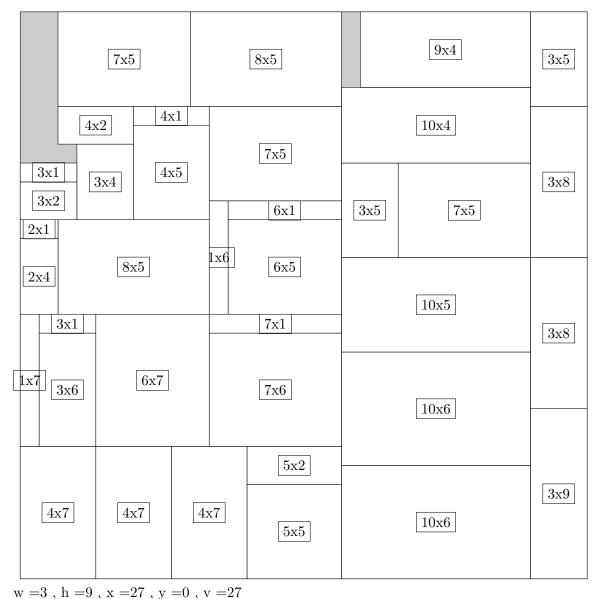
 $\le =8$  , h =9 , x =0 , y =8 , v =72

 $\mathbf{w}$  =7 , h =4 , x =1 , y =17 , v =28

 $\mathbf{w}$  =8 , h =9 , x =12 , y =21 , v =72

 $\mathbf{w}$  =6 , h =9 , x =6 , y =21 , v =54

 $\mathbf{w}=\!6$  ,  $\mathbf{h}=\!8$  ,  $\mathbf{x}=\!0$  ,  $\mathbf{y}=\!21$  ,  $\mathbf{v}=\!48$ 



```
w = 3, h = 9, x = 21, y = 0, v = 24

w = 3, h = 8, x = 27, y = 17, v = 24

w = 3, h = 5, x = 27, y = 17, v = 24

w = 3, h = 5, x = 27, y = 25, v = 15

w = 10, h = 6, x = 17, y = 0, v = 60

w = 10, h = 6, x = 17, y = 6, v = 60

w = 10, h = 5, x = 17, y = 12, v = 50

w = 7, h = 5, x = 20, y = 17, v = 35

w = 3, h = 5, x = 17, y = 17, v = 15

w = 10, h = 4, x = 17, y = 22, v = 40

w = 9, h = 4, x = 18, y = 26, v = 36

w = 5, h = 5, x = 12, y = 0, v = 25

w = 4, h = 7, x = 8, y = 0, v = 28

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

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

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w = 7, h = 6, x = 10, y = 7, v = 42
w = 7, h = 1, x = 10, y = 13, v = 7
w = 6, h = 7, x = 4, y = 7, v = 42
w = 3, h = 6, x = 1, y = 7, v = 18
w = 3, h = 1, x = 1, y = 13, v = 3
w = 1, h = 7, x = 0, y = 7, v = 7
w = 6, h = 5, x = 11, y = 14, v = 30
\mathbf{w} =6 , h =1 , x =11 , y =19 , v =6
w = 1, h = 6, x = 10, y = 14, v = 6
w = 7, h = 5, x = 10, y = 20, v = 35
w = 8, h = 5, x = 2, y = 14, v = 40
w = 2, h = 4, x = 0, y = 14, v = 8
w = 2, h = 1, x = 0, y = 18, v = 2
w = 4, h = 5, x = 6, y = 19, v = 20
w = 4, h = 1, x = 6, y = 24, v = 4
w = 3, h = 4, x = 3, y = 19, v = 12
w = 3, h = 2, x = 0, y = 19, v = 6
w = 3, h = 1, x = 0, y = 21, v = 3
w = 4, h = 2, x = 2, y = 23, v = 8
w = 8, h = 5, x = 9, y = 25, v = 40
```

w = 7, h = 5, x = 2, y = 25, v = 35