$ClassName: \ Class_02.2bp-47$

 $\begin{array}{ccc} \text{BinSize: } \underline{30} & \overline{\times} & \underline{30} \\ \text{ReduceSize: } \underline{30} & \times & \underline{30} \end{array}$

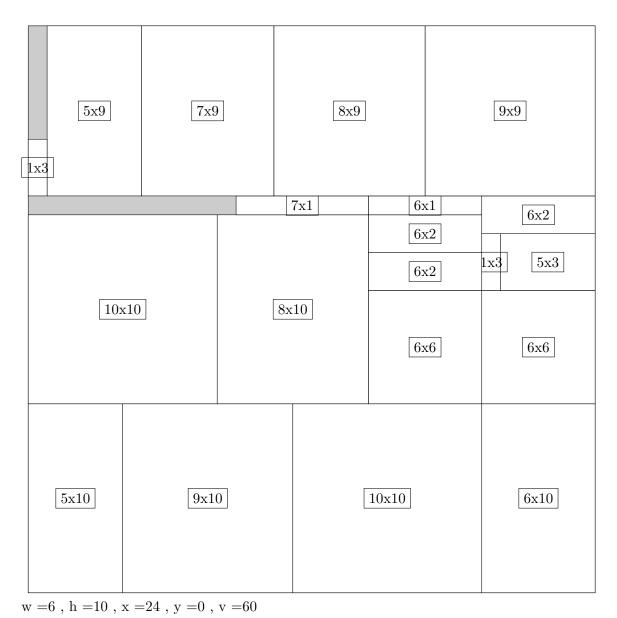
TypeNum: $\underline{68}$ Num: $\underline{100}$ OutS: $\underline{3600}$ InS: $\underline{3121}$ Rate: $\underline{0.867}$

UB: <u>4</u> LB: <u>4</u>

LBWithCut: $\underline{\mathbf{4}}$ NodeCount: $\underline{\mathbf{0}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{4}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

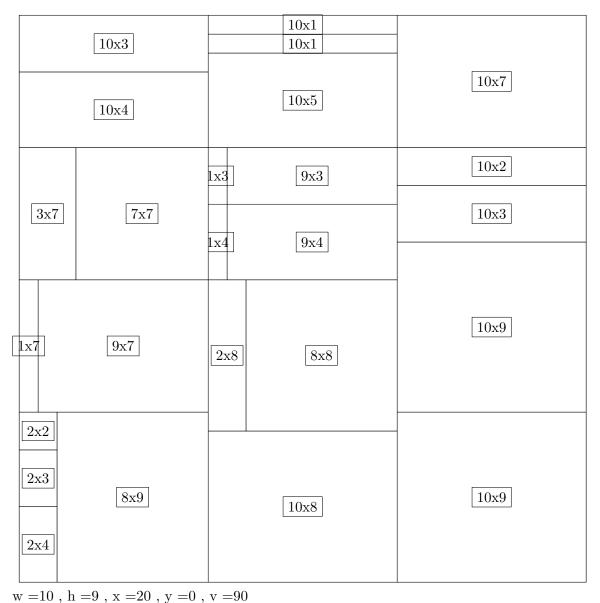
isOpt: $\underline{\mathbf{true}}$

TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{0.000 \text{ s}}$ TimeOnRmp: $\underline{0.047 \text{ s}}$ TotalTime: $\underline{0.219 \text{ s}}$



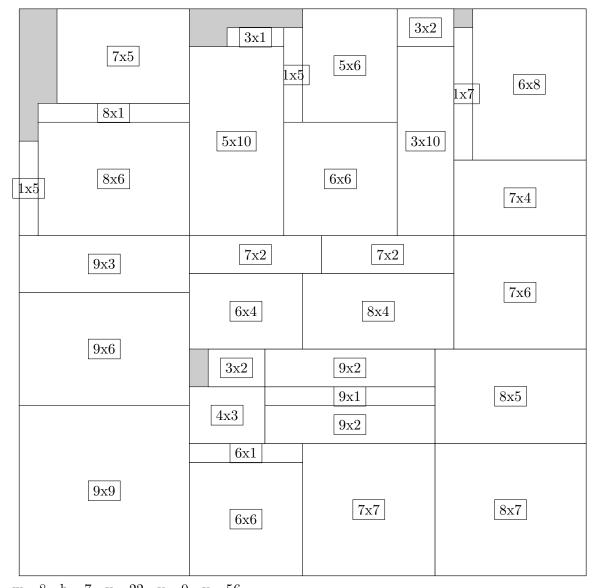
```
\begin{array}{l} w=6\;,\;h=6\;,\;x=24\;,\;y=10\;,\;v=36\\ w=5\;,\;h=3\;,\;x=25\;,\;y=16\;,\;v=15\\ w=1\;,\;h=3\;,\;x=24\;,\;y=16\;,\;v=3\\ w=6\;,\;h=2\;,\;x=24\;,\;y=19\;,\;v=12\\ w=10\;,\;h=10\;,\;x=14\;,\;y=0\;,\;v=100\\ w=9\;,\;h=10\;,\;x=5\;,\;y=0\;,\;v=90\\ w=5\;,\;h=10\;,\;x=0\;,\;y=0\;,\;v=50\\ w=6\;,\;h=6\;,\;x=18\;,\;y=10\;,\;v=36\\ w=6\;,\;h=2\;,\;x=18\;,\;y=16\;,\;v=12\\ w=6\;,\;h=2\;,\;x=18\;,\;y=16\;,\;v=12\\ w=6\;,\;h=2\;,\;x=18\;,\;y=18\;,\;v=12\\ w=6\;,\;h=1\;,\;x=18\;,\;y=20\;,\;v=6\\ w=8\;,\;h=10\;,\;x=10\;,\;y=10\;,\;v=80\\ w=7\;,\;h=1\;,\;x=11\;,\;y=20\;,\;v=7\\ w=10\;,\;h=10\;,\;x=0\;,\;y=10\;,\;v=100\\ w=9\;,\;h=9\;,\;x=21\;,\;y=21\;,\;v=81\\ \end{array}
```

 $\begin{array}{l} w=8 \ , \ h=9 \ , \ x=13 \ , \ y=21 \ , \ v=72 \\ w=7 \ , \ h=9 \ , \ x=6 \ , \ y=21 \ , \ v=63 \\ w=5 \ , \ h=9 \ , \ x=1 \ , \ y=21 \ , \ v=45 \\ w=1 \ , \ h=3 \ , \ x=0 \ , \ y=21 \ , \ v=3 \end{array}$



```
w =10, h =9, x =20, y =9, v =90
w =10, h =3, x =20, y =18, v =30
w =10, h =2, x =20, y =21, v =20
w =10, h =8, x =10, y =0, v =80
w =8, h =8, x =12, y =8, v =64
w =2, h =8, x =10, y =16, v =36
w =9, h =4, x =11, y =16, v =36
w =1, h =4, x =10, y =16, v =4
w =9, h =3, x =11, y =20, v =27
w =1, h =3, x =10, y =20, v =3
w =8, h =9, x =2, y =0, v =72
w =2, h =4, x =0, y =0, v =8
w =2, h =3, x =0, y =4, v =6
w =2, h =2, x =0, y =7, v =4
w =9, h =7, x =1, y =9, v =63
```

 $\begin{array}{l} w=1\ ,\ h=7\ ,\ x=0\ ,\ y=9\ ,\ v=7\\ w=7\ ,\ h=7\ ,\ x=3\ ,\ y=16\ ,\ v=49\\ w=3\ ,\ h=7\ ,\ x=0\ ,\ y=16\ ,\ v=21\\ w=10\ ,\ h=7\ ,\ x=20\ ,\ y=23\ ,\ v=70\\ w=10\ ,\ h=5\ ,\ x=10\ ,\ y=23\ ,\ v=50\\ w=10\ ,\ h=1\ ,\ x=10\ ,\ y=28\ ,\ v=10\\ w=10\ ,\ h=1\ ,\ x=10\ ,\ y=29\ ,\ v=10\\ w=10\ ,\ h=4\ ,\ x=0\ ,\ y=23\ ,\ v=40\\ w=10\ ,\ h=3\ ,\ x=0\ ,\ y=27\ ,\ v=30\\ \end{array}$



$$\begin{array}{l} w = 8 \ , \ h = 7 \ , \ x = 22 \ , \ y = 0 \ , \ v = 56 \\ w = 7 \ , \ h = 7 \ , \ x = 15 \ , \ y = 0 \ , \ v = 49 \end{array}$$

$$w = 7$$
, $h = 7$, $x = 15$, $y = 0$, $v = 40$

$$w = 6$$
, $h = 6$, $x = 9$, $y = 0$, $v = 36$

$$w = 8$$
, $h = 5$, $x = 22$, $y = 7$, $v = 40$

$$w = 3$$
, $h = 1$, $x = 13$, $y = 3$, $v = 3$
 $w = 4$, $h = 3$, $x = 9$, $y = 7$, $v = 12$

$$w = 9$$
, $h = 2$, $x = 13$, $y = 10$, $v = 18$

$$w = 3$$
, $h = 2$, $x = 10$, $y = 10$, $v = 6$

$$\mathbf{w}$$
 =7 , h =6 , x =23 , y =12 , v =42

$$w = 7$$
, $h = 4$, $x = 23$, $y = 18$, $v = 28$

$$w = 6$$
, $h = 8$, $x = 24$, $y = 22$, $v = 48$

$$\mathbf{w}$$
 =1 , h =7 , x =23 , y =22 , v =7

$$w = 8$$
, $h = 4$, $x = 15$, $y = 12$, $v = 32$

$$w = 6$$
, $h = 4$, $x = 9$, $y = 12$, $v = 24$

```
w = 7, h = 2, x = 16, y = 16, v = 14
```

$$w = 7$$
, $h = 2$, $x = 9$, $y = 16$, $v = 14$

$$w = 3$$
, $h = 10$, $x = 20$, $y = 18$, $v = 30$

$$w = 3$$
, $h = 2$, $x = 20$, $y = 28$, $v = 6$

$$w = 6$$
, $h = 6$, $x = 14$, $y = 18$, $v = 36$

$$w = 5$$
, $h = 6$, $x = 15$, $y = 24$, $v = 30$

$$w=1$$
 , $h=\!5$, $x=\!14$, $y=\!24$, $v=\!5$

$$w$$
 =5 , h =10 , x =9 , y =18 , v =50

$$w = 3$$
, $h = 1$, $x = 11$, $y = 28$, $v = 3$

$$w=9$$
 , $h=9$, $x=0$, $y=0$, $v=\!81$

$$w = 9$$
, $h = 6$, $x = 0$, $y = 9$, $v = 54$

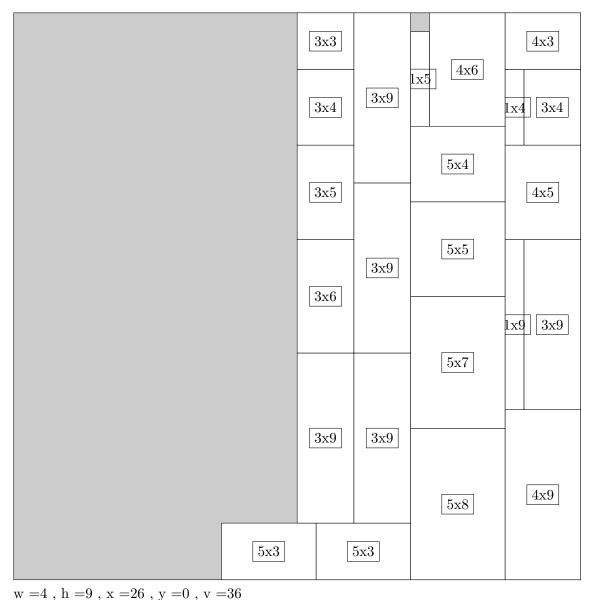
$$w=9$$
 , $h=3$, $x=0$, $y=\!15$, $v=\!27$

$$w = 8$$
, $h = 6$, $x = 1$, $y = 18$, $v = 48$

$$w = 1$$
, $h = 5$, $x = 0$, $y = 18$, $v = 5$

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

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



```
w = 3, h = 9, x = 20, y = 9, v = 27

w = 1, h = 9, x = 26, y = 9, v = 9

w = 4, h = 5, x = 26, y = 18, v = 20

w = 3, h = 4, x = 27, y = 23, v = 12

w = 1, h = 4, x = 26, y = 23, v = 4

w = 4, h = 3, x = 26, y = 27, v = 12

w = 5, h = 8, x = 21, y = 0, v = 40

w = 5, h = 7, x = 21, y = 8, v = 35

w = 5, h = 5, x = 21, y = 15, v = 25

w = 5, h = 4, x = 21, y = 20, v = 20

w = 4, h = 6, x = 22, y = 24, v = 24

w = 1, h = 5, x = 21, y = 24, v = 5

w = 5, h = 3, x = 16, y = 0, v = 15

w = 5, h = 3, x = 11, y = 0, v = 15

w = 5, h = 9, x = 18, y = 3, v = 27
```

 $\begin{array}{l} w=3\ ,\ h=9\ ,\ x=18\ ,\ y=12\ ,\ v=27\\ w=3\ ,\ h=9\ ,\ x=18\ ,\ y=21\ ,\ v=27\\ w=3\ ,\ h=9\ ,\ x=15\ ,\ y=3\ ,\ v=27\\ w=3\ ,\ h=6\ ,\ x=15\ ,\ y=12\ ,\ v=18\\ w=3\ ,\ h=5\ ,\ x=15\ ,\ y=18\ ,\ v=15\\ w=3\ ,\ h=4\ ,\ x=15\ ,\ y=23\ ,\ v=12\\ w=3\ ,\ h=3\ ,\ x=15\ ,\ y=27\ ,\ v=9\\ \end{array}$