$ClassName: {\bf Class_02.2bp\text{-}41}$

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

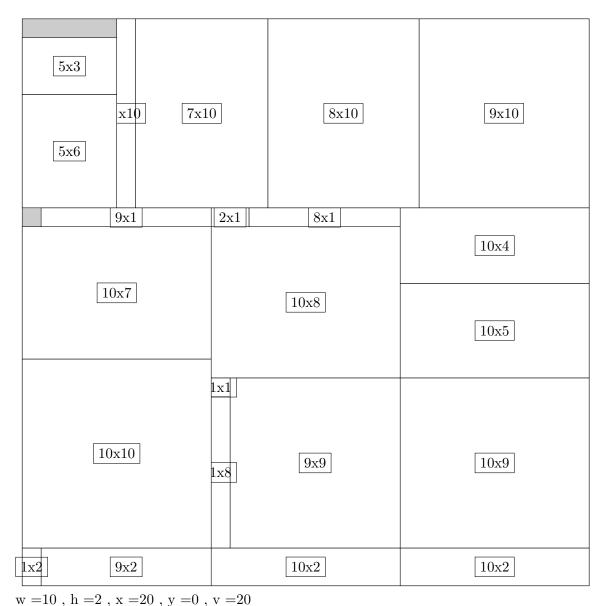
TypeNum: <u>63</u> Num: <u>100</u> OutS: <u>3600</u> InS: <u>3040</u> Rate: <u>0.844</u>

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: $\underline{0.218 \text{ s}}$



```
w =10 , h =2 , x =10 , y =0 , v =20

w =9 , h =2 , x =1 , y =0 , v =18

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

w =10 , h =9 , x =20 , y =2 , v =90

w =10 , h =5 , x =20 , y =11 , v =50

w =10 , h =4 , x =20 , y =16 , v =40

w =9 , h =9 , x =11 , y =2 , v =81

w =1 , h =8 , x =10 , y =2 , v =8

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

w =10 , h =8 , x =10 , y =11 , v =80

w =8 , h =1 , x =12 , y =19 , v =8

w =2 , h =1 , x =10 , y =19 , v =2

w =10 , h =10 , x =0 , y =2 , v =100

w =10 , h =7 , x =0 , y =12 , v =70

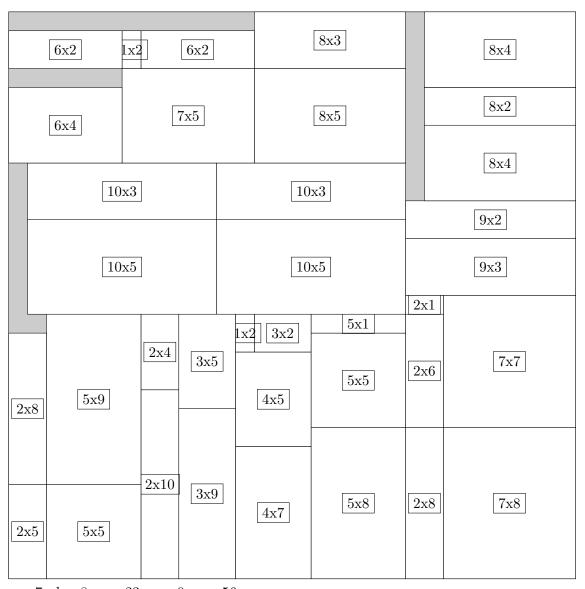
w =9 , h =1 , x =1 , y =19 , v =9
```

 $\begin{array}{l} w=9\ ,\ h=10\ ,\ x=21\ ,\ y=20\ ,\ v=90\\ w=8\ ,\ h=10\ ,\ x=13\ ,\ y=20\ ,\ v=80\\ w=7\ ,\ h=10\ ,\ x=6\ ,\ y=20\ ,\ v=70\\ w=1\ ,\ h=10\ ,\ x=5\ ,\ y=20\ ,\ v=10\\ w=5\ ,\ h=6\ ,\ x=0\ ,\ y=20\ ,\ v=30\\ w=5\ ,\ h=3\ ,\ x=0\ ,\ y=26\ ,\ v=15 \end{array}$

3x2 5x3	2x2 4x3	10x7	6x2
8x3	6x5		6x8
8x3		10x8	
8x6	6x7	10x8	6x10
8x7	6x7	10x7	
			6x10
6x8	8x8	10x8	

w = 6, h = 10, x = 24, y = 0, v = 60w = 6, h = 10, x = 24, y = 10, v = 60w = 6, h = 8, x = 24, y = 20, v = 48w = 6, h = 2, x = 24, y = 28, v = 12w = 10, h = 8, x = 14, y = 0, v = 80 \mathbf{w} =8 , \mathbf{h} =8 , \mathbf{x} =6 , \mathbf{y} =0 , \mathbf{v} =64 w = 6, h = 8, x = 0, y = 0, v = 48w = 10, h = 7, x = 14, y = 8, v = 70w = 6, h = 7, x = 8, y = 8, v = 42w = 10, h = 8, x = 14, y = 15, v = 80 $\mathbf{w}=\!10$, $\mathbf{h}=\!7$, $\mathbf{x}=\!14$, $\mathbf{y}=\!23$, $\mathbf{v}=\!70$ w = 6, h = 7, x = 8, y = 15, v = 42w = 6, h = 5, x = 8, y = 22, v = 30w = 4, h = 3, x = 10, y = 27, v = 12w = 2, h = 2, x = 8, y = 27, v = 4w = 8, h = 7, x = 0, y = 8, v = 56

 $\begin{array}{l} w=8 \ , \ h=6 \ , \ x=0 \ , \ y=15 \ , \ v=48 \\ w=8 \ , \ h=3 \ , \ x=0 \ , \ y=21 \ , \ v=24 \\ w=8 \ , \ h=3 \ , \ x=0 \ , \ y=24 \ , \ v=24 \\ w=5 \ , \ h=3 \ , \ x=3 \ , \ y=27 \ , \ v=15 \\ w=3 \ , \ h=2 \ , \ x=0 \ , \ y=27 \ , \ v=6 \end{array}$



$$\mathbf{w}$$
 =2 , h =8 , x =21 , y =0 , v =16

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

$$w = 2$$
, $h = 6$, $x = 21$, $y = 8$, $v = 12$

$$w = 2$$
, $h = 1$, $x = 21$, $y = 14$, $v = 2$

$$w = 8$$
, $h = 4$, $x = 22$, $y = 10$, $v = 10$

$$w = 8$$
, $h = 2$, $x = 22$, $y = 24$, $v = 16$

$$w = 8$$
, $h = 4$, $x = 22$, $y = 26$, $v = 32$

$$w = 5$$
, $h = 8$, $x = 16$, $y = 0$, $v = 40$

$$w = 5$$
, $h = 5$, $x = 16$, $y = 8$, $v = 25$

$$w=5$$
 , $h=1$, $x=\!16$, $y=\!13$, $v=\!5$

$$\mathbf{w}$$
 =4 , h =7 , x =12 , y =0 , v =28

$$w = 4$$
, $h = 5$, $x = 12$, $y = 7$, $v = 20$

$$w = 3$$
, $h = 2$, $x = 13$, $y = 12$, $v = 6$

```
\mathbf{w} =1 , h =2 , x =12 , y =12 , v =2
```

$$\mathbf{w}$$
 =3 , h =9 , x =9 , y =0 , v =27

$$w = 3$$
, $h = 5$, $x = 9$, $y = 9$, $v = 15$

$$w = 2$$
, $h = 10$, $x = 7$, $y = 0$, $v = 20$

$$w = 2$$
, $h = 4$, $x = 7$, $y = 10$, $v = 8$

$$w$$
 =5 , h =5 , x =2 , y =0 , v =25

$$w = 2$$
, $h = 5$, $x = 0$, $y = 0$, $v = 10$

$$w$$
 =5 , h =9 , x =2 , y =5 , v =45

$$w = 2$$
, $h = 8$, $x = 0$, $y = 5$, $v = 16$

$$w = 10$$
, $h = 5$, $x = 11$, $y = 14$, $v = 50$

$$w = 10$$
, $h = 5$, $x = 1$, $y = 14$, $v = 50$

$$w = 10$$
, $h = 3$, $x = 11$, $y = 19$, $v = 30$

$$w = 10$$
, $h = 3$, $x = 1$, $y = 19$, $v = 30$

$$w = 8$$
, $h = 5$, $x = 13$, $y = 22$, $v = 40$

$$w = 7$$
, $h = 5$, $x = 6$, $y = 22$, $v = 35$

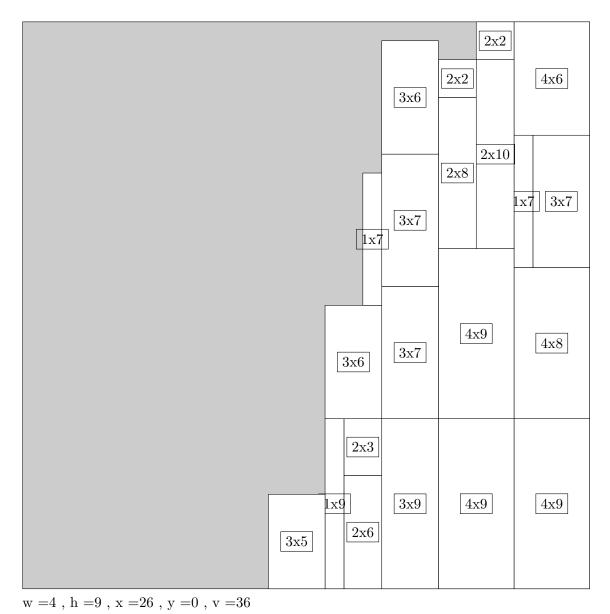
$$\mathbf{w}$$
 =6 , h =4 , x =0 , y =22 , v =24

$$w$$
 =8 , h =3 , x =13 , y =27 , v =24

$$w = 6$$
, $h = 2$, $x = 7$, $y = 27$, $v = 12$

$$w = 1$$
, $h = 2$, $x = 6$, $y = 27$, $v = 2$

$$w = 6$$
, $h = 2$, $x = 0$, $y = 27$, $v = 12$



```
\begin{array}{l} w=4\ ,\ h=8\ ,\ x=26\ ,\ y=9\ ,\ v=32\\ w=3\ ,\ h=7\ ,\ x=27\ ,\ y=17\ ,\ v=21\\ w=1\ ,\ h=7\ ,\ x=26\ ,\ y=17\ ,\ v=7\\ w=4\ ,\ h=6\ ,\ x=26\ ,\ y=24\  ,\ v=24\\ w=4\  ,\ h=9\  ,\ x=22\  ,\ y=0\  ,\ v=36\\ w=4\  ,\ h=9\  ,\ x=22\  ,\ y=9\  ,\ v=36\\ w=2\  ,\ h=10\  ,\  x=24\  ,\  y=18\  ,\  v=20\\ w=2\  ,\ h=2\  ,\  x=24\  ,\  y=18\  ,\  v=20\\ w=2\  ,\ h=8\  ,\  x=22\  ,\  y=18\  ,\  v=16\\ w=2\  ,\  h=8\  ,\  x=22\  ,\  y=26\  ,\  v=4\\ w=3\  ,\  h=9\  ,\  x=19\  ,\  y=0\  ,\  v=21\\ w=3\  ,\  h=7\  ,\  x=19\  ,\  y=16\  ,\  v=21\\ w=3\  ,\  h=6\  ,\  x=19\  ,\  y=23\  ,\  v=18\\ \end{array}
```

w = 2, h = 6, x = 17, y = 0, v = 12

 $\begin{array}{l} w=2\ ,\ h=3\ ,\ x=17\ ,\ y=6\ ,\ v=6\\ w=1\ ,\ h=9\ ,\ x=16\ ,\ y=0\ ,\ v=9\\ w=3\ ,\ h=6\ ,\ x=16\ ,\ y=9\ ,\ v=18\\ w=1\ ,\ h=7\ ,\ x=18\ ,\ y=15\ ,\ v=7\\ w=3\ ,\ h=5\ ,\ x=13\ ,\ y=0\ ,\ v=15 \end{array}$