$ClassName: \ Class_02.2bp-34$

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

TypeNum: $\underline{55}$ Num: $\underline{80}$ OutS: $\underline{2700}$ InS: $\underline{2352}$ Rate: $\underline{0.871}$

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

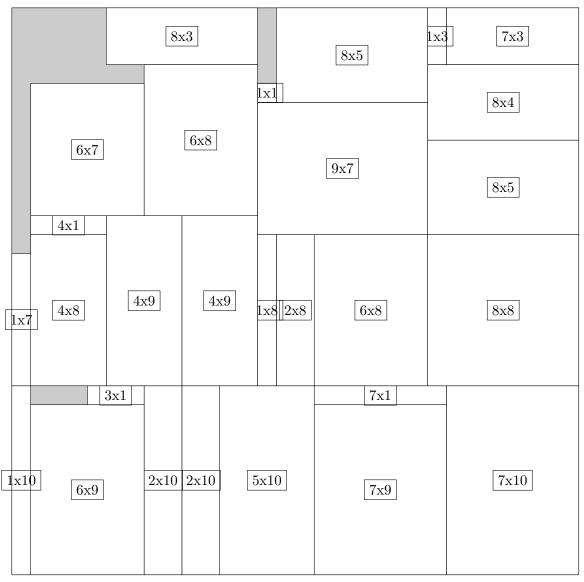
TimeOnInitSolution: $\underline{600.000 \text{ s}}$

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.047 sTotalTime: 600.312 s

	(Ax3)		8x1
3x1 3x2	9x2 4x3 10x1 10x2	9x6	8x7
3x1			
3x5	10x6	9x7	8x8
4x9	9x9	9x8	8x10
3x5	9x5	10x5	OX10
3x4	[7x4]	10x4	10x4

```
w = 10, h = 4, x = 20, y = 0, v = 40
w = 10, h = 4, x = 10, y = 0, v = 40
w = 7, h = 4, x = 3, y = 0, v = 28
w = 3, h = 4, x = 0, y = 0, v = 12
w = 8, h = 10, x = 22, y = 4, v = 80
w = 8, h = 8, x = 22, y = 14, v = 64
w = 8, h = 7, x = 22, y = 22, v = 56
w = 8, h = 1, x = 22, y = 29, v = 8
w=\!10 , h=\!5 , x=\!12 , y=\!4 , v=\!50
w = 9, h = 5, x = 3, y = 4, v = 45
w = 3, h = 5, x = 0, y = 4, v = 15
w = 9, h = 8, x = 13, y = 9, v = 72
w = 9, h = 7, x = 13, y = 17, v = 63
w = 9, h = 6, x = 13, y = 24, v = 54
w = 9, h = 9, x = 4, y = 9, v = 81
w = 4, h = 9, x = 0, y = 9, v = 36
```

 $\begin{array}{l} w=10\;,\; h=6\;,\; x=3\;,\; y=18\;,\; v=60\\ w=3\;,\; h=5\;,\; x=0\;,\; y=18\;,\; v=15\\ w=3\;,\; h=1\;,\; x=0\;,\; y=23\;,\; v=3\\ w=10\;,\; h=2\;,\; x=3\;,\; y=24\;,\; v=20\\ w=3\;,\; h=2\;,\; x=0\;,\; y=24\;,\; v=6\\ w=10\;,\; h=1\;,\; x=3\;,\; y=26\;,\; v=10\\ w=3\;,\; h=1\;,\; x=0\;,\; y=26\;,\; v=3\\ w=4\;,\; h=3\;,\; x=9\;,\; y=27\;,\; v=12\\ w=9\;,\; h=2\;,\; x=0\;,\; y=27\;,\; v=18\\ \end{array}$



$$w = 7$$
, $h = 10$, $x = 23$, $y = 0$, $v = 70$

$$w$$
 =7 , h =9 , x =16 , y =0 , v =63

$$w = 7$$
, $h = 1$, $x = 16$, $y = 9$, $v = 7$

$$\mathbf{w}$$
 =5 , h =10 , x =11 , y =0 , v =50

$$w = 2$$
, $h = 10$, $x = 9$, $y = 0$, $v = 20$

$$\mathbf{w}$$
 =2 , h =10 , x =7 , y =0 , v =20

$$w = 6$$
, $h = 9$, $x = 1$, $y = 0$, $v = 54$

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

$$w = 8$$
, $h = 8$, $x = 22$, $y = 10$, $v = 64$

$$w$$
 =8 , h =5 , x =22 , y =18 , v =40

$$w = 8$$
, $h = 4$, $x = 22$, $y = 23$, $v = 32$

$$\le =7$$
 , h =3 , x =23 , y =27 , v =21

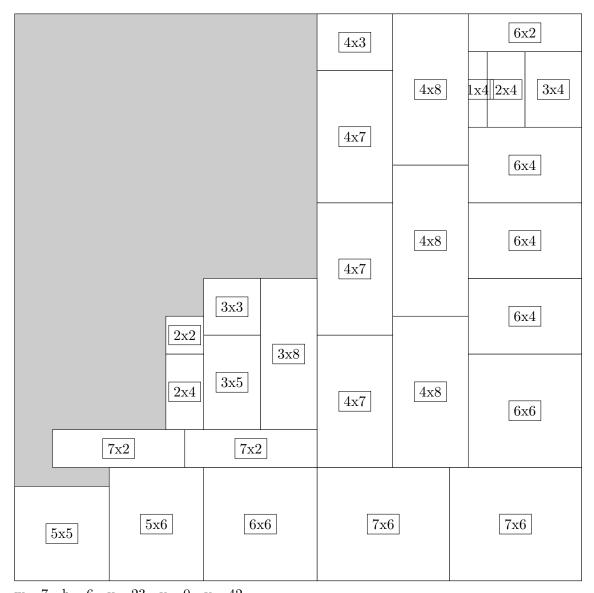
$$w = 1$$
, $h = 3$, $x = 22$, $y = 27$, $v = 3$

$$w = 6$$
, $h = 8$, $x = 16$, $y = 10$, $v = 48$

$$w = 2$$
, $h = 8$, $x = 14$, $y = 10$, $v = 16$

$$w = 1$$
, $h = 8$, $x = 13$, $y = 10$, $v = 8$

```
\begin{array}{l} w=9\ ,\, h=7\ ,\, x=13\ ,\, y=18\ ,\, v=63\\ w=8\ ,\, h=5\ ,\, x=14\ ,\, y=25\ ,\, v=40\\ w=1\ ,\, h=1\ ,\, x=13\ ,\, y=25\ ,\, v=1\\ w=4\ ,\, h=9\ ,\, x=9\ ,\, y=10\ ,\, v=36\\ w=4\ ,\, h=9\ ,\, x=5\ ,\, y=10\ ,\, v=36\\ w=4\ ,\, h=8\ ,\, x=1\ ,\, y=10\ ,\, v=32\\ w=4\ ,\, h=1\ ,\, x=1\ ,\, y=18\ ,\, v=4\\ w=6\ ,\, h=8\ ,\, x=7\ ,\, y=19\ ,\, v=48\\ w=6\ ,\, h=7\ ,\, x=1\ ,\, y=19\ ,\, v=42\\ w=8\ ,\, h=3\ ,\, x=5\ ,\, y=27\ ,\, v=24\\ w=1\ ,\, h=10\ ,\, x=0\ ,\, y=0\ ,\, v=10\\ w=1\ ,\, h=7\ ,\, x=0\ ,\, y=10\ ,\, v=7\\ \end{array}
```



$$\begin{array}{l} w = 7 \ , \ h = 6 \ , \ x = 23 \ , \ y = 0 \ , \ v = 42 \\ w = 7 \ , \ h = 6 \ , \ x = 16 \ , \ y = 0 \ , \ v = 42 \end{array}$$

$$w = 6$$
, $h = 6$, $x = 10$, $y = 0$, $v = 36$

$$w$$
 =5 , h =6 , x =5 , y =0 , v =30

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

$$\mathbf{w}$$
 =6 , h =6 , x =24 , y =6 , v =36

$$\mathbf{w}$$
 =6 , h =4 , x =24 , y =12 , v =24

$$w = 6$$
, $h = 4$, $x = 24$, $y = 16$, $v = 24$

$$w = 6$$
, $h = 4$, $x = 24$, $y = 20$, $v = 24$
 $w = 3$, $h = 4$, $x = 27$, $y = 24$, $v = 12$

$$w = 2$$
, $h = 4$, $x = 25$, $y = 24$, $v = 8$

$$w = 1$$
, $h = 4$, $x = 24$, $y = 24$, $v = 4$

$$w = 1$$
, $h = 4$, $x = 24$, $y = 24$, $v = 4$
 $w = 6$, $h = 2$, $x = 24$, $y = 28$, $v = 12$

$$w = 4$$
, $h = 8$, $x = 20$, $y = 6$, $v = 32$

$$w = 4$$
, $h = 8$, $x = 20$, $y = 14$, $v = 32$

$$w = 4$$
, $h = 8$, $x = 20$, $y = 22$, $v = 32$

 $\begin{array}{l} w=4\ ,\ h=7\ ,\ x=16\ ,\ y=6\ ,\ v=28\\ w=4\ ,\ h=7\ ,\ x=16\ ,\ y=13\ ,\ v=28\\ w=4\ ,\ h=7\ ,\ x=16\ ,\ y=20\ ,\ v=28\\ w=4\ ,\ h=3\ ,\ x=16\ ,\ y=27\ ,\ v=12\\ w=7\ ,\ h=2\ ,\ x=9\ ,\ y=6\ ,\ v=14\\ w=7\ ,\ h=2\ ,\ x=2\ ,\ y=6\ ,\ v=14\\ w=3\ ,\ h=8\ ,\ x=13\ ,\ y=8\ ,\ v=24\\ w=3\ ,\ h=5\ ,\ x=10\ ,\ y=8\ ,\ v=15\\ w=3\ ,\ h=3\ ,\ x=10\ ,\ y=13\ ,\ v=9\\ w=2\ ,\ h=4\ ,\ x=8\ ,\ y=8\ ,\ v=8\\ \end{array}$

w=2 , h=2 , x=8 , $y=\!12$, $v=\!4$