$ClassName: \ Class_02.2bp-45$

BinSize: 30×30 ReduceSize: 30×30

TypeNum: 66 Num: **100** OutS: **3600** InS: 3378Rate: $\underline{\mathbf{0.938}}$

UB: **4** LB0: **4** LB: **4**

LBWithCut: 4 NodeCut: **0**

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

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

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

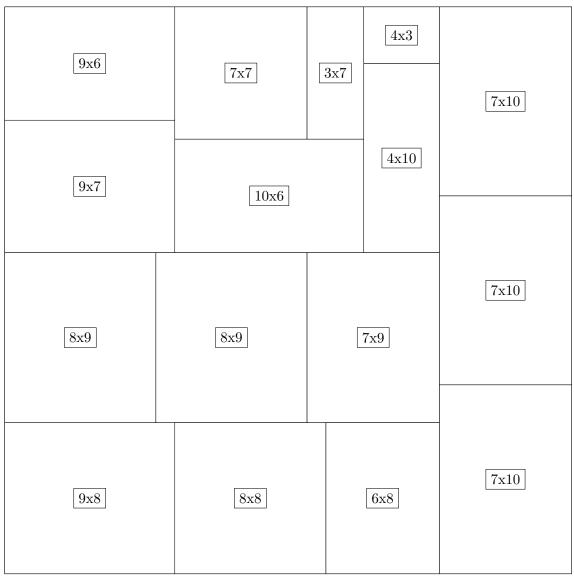
isOpt: $\underline{\mathbf{true}}$

TimeOnInitSolution: $\underline{0.000 \text{ s}}$ TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.125 s

8x4 2x4	[8x4]	[7x4]	4x4 1x3
[10x8]	9x8	9x8	2x8
10x8	8x10	8x10	4x10
10x10	10x8	10x1	

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w = 10, h = 10, x = 0, y = 0, v = 100
w=\!10 , h=\!8 , x=\!0 , y=\!10 , v=\!80
w = 10, h = 8, x = 0, y = 18, v = 80
\mathbf{w} =10 , h =8 , x =10 , y =0 , v =80
w = 8, h = 10, x = 10, y = 8, v = 80
w=8 , h=\!10 , x=\!18 , y=\!8 , v=\!80
w = 9, h = 8, x = 10, y = 18, v = 72
w = 9, h = 8, x = 19, y = 18, v = 72
w = 10, h = 7, x = 20, y = 0, v = 70
w = 4, h = 10, x = 26, y = 8, v = 40
w = 8, h = 4, x = 0, y = 26, v = 32
w = 8, h = 4, x = 10, y = 26, v = 32
w = 7, h = 4, x = 18, y = 26, v = 28
w = 4, h = 4, x = 25, y = 26, v = 16
w = 2, h = 8, x = 28, y = 18, v = 16
w=\!10 , h=\!1 , x=\!20 , y=\!7 , v=\!10
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$$\begin{array}{l} w = 2 \ , \ h = \!\! 4 \ , \ x = \!\! 8 \ , \ y = \!\! 26 \ , \ v = \!\! 8 \\ w = \!\! 1 \ , \ h = \!\! 3 \ , \ x = \!\! 29 \ , \ y = \!\! 26 \ , \ v = \!\! 3 \end{array}$$



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

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

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

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

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

$$\mathbf{w}$$
 =7 , h =10 , x =23 , y =20 , v =70

$$w = 8$$
, $h = 8$, $x = 9$, $y = 0$, $v = 64$

$$w = 9$$
, $h = 7$, $x = 0$, $y = 17$, $v = 63$

$$w = 7$$
, $h = 9$, $x = 16$, $y = 8$, $v = 63$

$$w = 10$$
, $h = 6$, $x = 9$, $y = 17$, $v = 60$

$$w = 9$$
, $h = 6$, $x = 0$, $y = 24$, $v = 54$

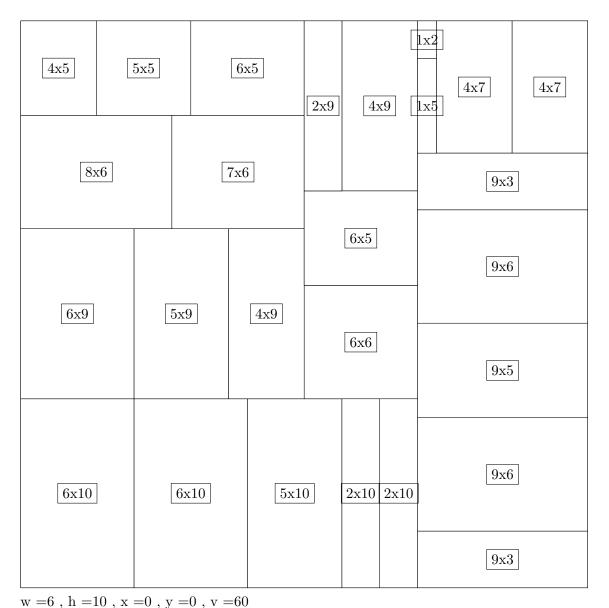
$$w = 7$$
, $h = 7$, $x = 9$, $y = 23$, $v = 49$

$$w=6$$
 , $h=\!8$, $x=\!17$, $y=\!0$, $v=\!48$

$$w = 4$$
, $h = 10$, $x = 19$, $y = 17$, $v = 40$

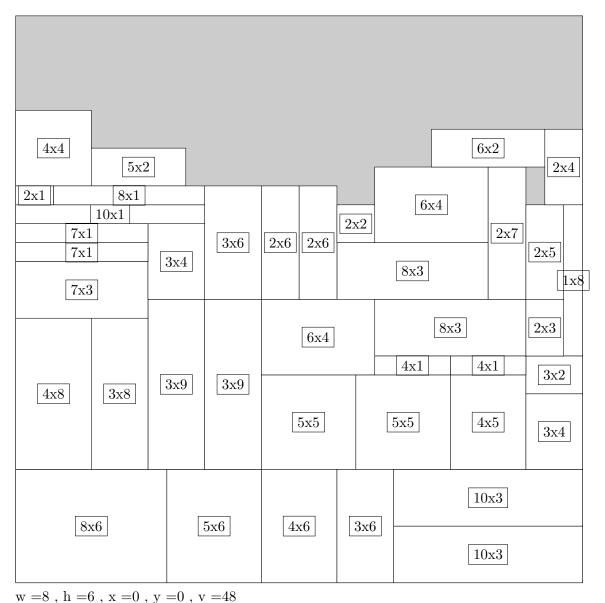
$$w = 3$$
, $h = 7$, $x = 16$, $y = 23$, $v = 21$

$$w = 4$$
, $h = 3$, $x = 19$, $y = 27$, $v = 12$



$$\begin{array}{l} w=6\;,\;h=10\;,\;x=6\;,\;y=0\;,\;v=60\\ w=9\;,\;h=3\;,\;x=21\;,\;y=0\;,\;v=27\\ w=9\;,\;h=6\;,\;x=21\;,\;y=3\;,\;v=54\\ w=6\;,\;h=9\;,\;x=0\;,\;y=10\;,\;v=54\\ w=5\;,\;h=10\;,\;x=12\;,\;y=0\;,\;v=50\\ w=8\;,\;h=6\;,\;x=0\;,\;y=19\;,\;v=48\\ w=9\;,\;h=5\;,\;x=21\;,\;y=9\;,\;v=45\\ w=5\;,\;h=9\;,\;x=6\;,\;y=10\;,\;v=45\\ w=5\;,\;h=9\;,\;x=6\;,\;y=10\;,\;v=45\\ w=7\;,\;h=6\;,\;x=8\;,\;y=19\;,\;v=42\\ w=6\;,\;h=6\;,\;x=8\;,\;y=10\;,\;v=36\\ w=4\;,\;h=9\;,\;x=11\;,\;y=10\;,\;v=36\\ w=4\;,\;h=9\;,\;x=11\;,\;y=10\;,\;v=36\\ w=4\;,\;h=9\;,\;x=17\;,\;y=21\;,\;v=36\\ w=6\;,\;h=5\;,\;x=15\;,\;y=16\;,\;v=30\\ w=6\;,\;h=5\;,\;x=9\;,\;y=25\;,\;v=30\\ w=4\;,\;h=7\;,\;x=26\;,\;y=23\;,\;v=28\\ \end{array}$$

 $\begin{array}{l} w=4\ ,\ h=7\ ,\ x=22\ ,\ y=23\ ,\ v=28\\ w=9\ ,\ h=6\ ,\ x=21\ ,\ y=14\ ,\ v=54\\ w=9\ ,\ h=3\ ,\ x=21\ ,\ y=20\ ,\ v=27\\ w=5\ ,\ h=5\ ,\ x=4\ ,\ y=25\ ,\ v=25\\ w=4\ ,\ h=5\ ,\ x=0\ ,\ y=25\ ,\ v=20\\ w=2\ ,\ h=10\ ,\ x=17\ ,\ y=0\ ,\ v=20\\ w=2\ ,\ h=10\ ,\ x=19\ ,\ y=0\ ,\ v=20\\ w=2\ ,\ h=9\ ,\ x=15\ ,\ y=21\ ,\ v=18\\ w=1\ ,\ h=5\ ,\ x=21\ ,\ y=23\ ,\ v=5\\ w=1\ ,\ h=2\ ,\ x=21\ ,\ y=28\ ,\ v=2\\ \end{array}$



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w = 4 , h = 8 , x = 0 , y = 6 , v = 32

w = 10 , h = 3 , x = 20 , y = 0 , v = 30

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

w = 5 , h = 6 , x = 8 , y = 0 , v = 30

w = 3 , h = 9 , x = 7 , y = 6 , v = 27

w = 3 , h = 9 , x = 10 , y = 6 , v = 27

w = 5 , h = 5 , x = 13 , y = 6 , v = 25

w = 5 , h = 5 , x = 18 , y = 6 , v = 25

w = 8 , h = 3 , x = 19 , y = 12 , v = 24

w = 8 , h = 3 , x = 17 , y = 15 , v = 24

w = 6 , h = 4 , x = 13 , y = 11 , v = 24

w = 6 , h = 4 , x = 19 , y = 18 , v = 24

w = 4 , h = 6 , x = 13 , y = 0 , v = 24

w = 3 , h = 8 , x = 4 , y = 6 , v = 24

w = 7 , h = 3 , x = 0 , y = 14 , v = 21
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w = 4, h = 5, x = 23, y = 6, v = 20
w = 3, h = 6, x = 17, y = 0, v = 18
w = 3, h = 6, x = 10, y = 15, v = 18
w = 4, h = 4, x = 0, y = 21, v = 16
w = 2, h = 7, x = 25, y = 15, v = 14
w = 6, h = 2, x = 22, y = 22, v = 12
w = 3, h = 4, x = 7, y = 15, v = 12
w=3 , h=4 , x=\!27 , y=\!6 , v=\!12
w = 2, h = 6, x = 13, y = 15, v = 12
w = 2, h = 6, x = 15, y = 15, v = 12
w = 10, h = 1, x = 0, y = 19, v = 10
w = 5, h = 2, x = 4, y = 21, v = 10
w = 2, h = 5, x = 27, y = 15, v = 10
w = 8, h = 1, x = 2, y = 20, v = 8
w = 2, h = 4, x = 28, y = 20, v = 8
w = 1, h = 8, x = 29, y = 12, v = 8
w = 7, h = 1, x = 0, y = 17, v = 7
w = 7, h = 1, x = 0, y = 18, v = 7
w = 3, h = 2, x = 27, y = 10, v = 6
w = 2, h = 3, x = 27, y = 12, v = 6
w = 4, h = 1, x = 23, y = 11, v = 4
w = 4, h = 1, x = 19, y = 11, v = 4
\mathbf{w} =2 , h =2 , x =17 , y =18 , v =4
```

w = 2, h = 1, x = 0, y = 20, v = 2