$ClassName: \ Class_02.2bp-30$

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

TypeNum: $\underline{58}$ Num: $\underline{80}$ OutS: $\underline{2700}$ InS: $\underline{2274}$ Rate: $\underline{0.842}$

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

LBWithCut: 3
NodeCount: 0
PrimalNode: 0
ColumnCount: 3
TotalCutCount: 0
RootCutCount: 0
LPSolverCnt: 1
PricingSolverCnt: 0
BranchAndBoundNum: 1

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

TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{0.000 \text{ s}}$ TimeOnRmp: $\underline{0.063 \text{ s}}$ TotalTime: $\underline{0.234 \text{ s}}$

						6x1
[5x5]	3x4		8x4	1x3	7x3	[3x3]
					8x9	3x3
6x6	4x8		9x8		OX9	3x6
6x9	5x2					
	6x6		7x8		8x8	3x8
8x2						
10x2			8x9		9x9	
10x5						

$$w = 3$$
, $h = 8$, $x = 27$, $y = 9$, $v = 24$

$$\le =3$$
 , h =6 , x =27 , y =17 , v =18

$$w$$
 =3 , h =3 , x =27 , y =23 , v =9

$$w = 8$$
, $h = 9$, $x = 10$, $y = 0$, $v = 61$
 $w = 8$, $h = 9$, $x = 10$, $y = 0$, $v = 72$

$$w = 0$$
, $h = 9$, $x = 10$, $y = 0$, $v = 12$
 $w = 10$, $h = 5$, $x = 0$, $y = 0$, $v = 50$

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

$$w = 10$$
, $h = 2$, $x = 0$, $y = 0$, $v = 20$
 $w = 8$, $h = 2$, $x = 2$, $y = 7$, $v = 16$

$$\le =8$$
 , h =8 , x =19 , y =9 , v =64

$$w = 7$$
, $h = 8$, $x = 12$, $y = 9$, $v = 56$

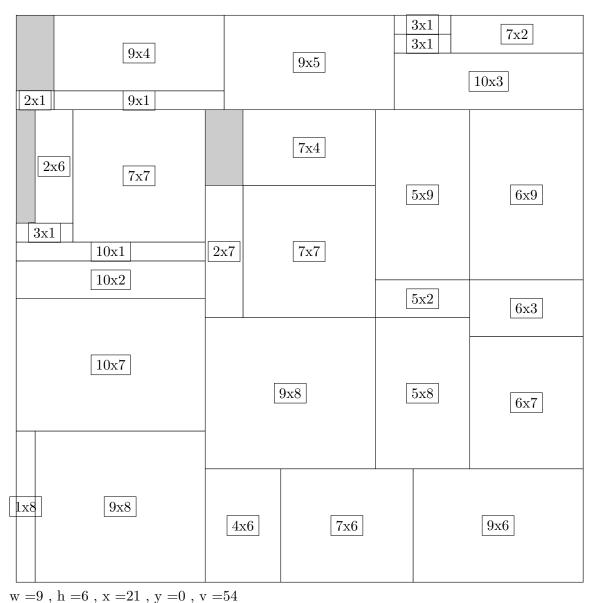
$$\mathbf{w}$$
 =6 , h =6 , x =6 , y =9 , v =36

$$\mathbf{w}$$
 =5 , \mathbf{h} =2 , \mathbf{x} =7 , \mathbf{y} =15 , \mathbf{v} =10

$$w = 8$$
, $h = 9$, $x = 19$, $y = 17$, $v = 72$

$$w = 7$$
, $h = 3$, $x = 20$, $y = 26$, $v = 21$

 $\begin{array}{l} w=1\ ,\ h=3\ ,\ x=19\ ,\ y=26\ ,\ v=3\\ w=9\ ,\ h=8\ ,\ x=10\ ,\ y=17\ ,\ v=72\\ w=8\ ,\ h=4\ ,\ x=11\ ,\ y=25\ ,\ v=32\\ w=4\ ,\ h=8\ ,\ x=6\ ,\ y=17\ ,\ v=32\\ w=3\ ,\ h=4\ ,\ x=7\ ,\ y=25\ ,\ v=12\\ w=6\ ,\ h=9\ ,\ x=0\ ,\ y=9\ ,\ v=54\\ w=6\ ,\ h=6\ ,\ x=0\ ,\ y=18\ ,\ v=36\\ w=5\ ,\ h=5\ ,\ x=1\ ,\ y=24\ ,\ v=25\\ w=6\ ,\ h=1\ ,\ x=24\ ,\ y=29\ ,\ v=6\\ \end{array}$



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w = 7, h = 6, x = 14, y = 0, v = 42

w = 4, h = 6, x = 10, y = 0, v = 24

w = 6, h = 7, x = 24, y = 6, v = 42

w = 6, h = 3, x = 24, y = 13, v = 18

w = 5, h = 8, x = 19, y = 6, v = 40

w = 5, h = 2, x = 19, y = 14, v = 10

w = 6, h = 9, x = 24, y = 16, v = 54

w = 5, h = 9, x = 19, y = 16, v = 54

w = 5, h = 9, x = 19, y = 16, v = 45

w = 9, h = 8, x = 10, y = 6, v = 72

w = 7, h = 7, x = 12, y = 14, v = 49

w = 2, h = 7, x = 10, y = 14, v = 14

w = 7, h = 4, x = 12, y = 21, v = 28

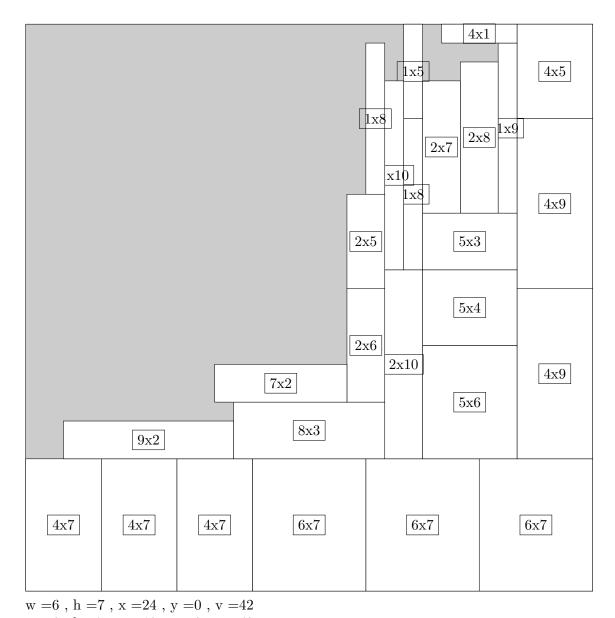
w = 9, h = 8, x = 1, y = 0, v = 72

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

w = 10, h = 7, x = 0, y = 8, v = 70
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\begin{array}{l} w=10\;,\;h=2\;,\;x=0\;,\;y=15\;,\;v=20\\ w=10\;,\;h=1\;,\;x=0\;,\;y=17\;,\;v=10\\ w=7\;,\;h=7\;,\;x=3\;,\;y=18\;,\;v=49\\ w=3\;,\;h=1\;,\;x=0\;,\;y=18\;,\;v=3\\ w=2\;,\;h=6\;,\;x=1\;,\;y=19\;,\;v=12\\ w=10\;,\;h=3\;,\;x=20\;,\;y=25\;,\;v=30\\ w=7\;,\;h=2\;,\;x=23\;,\;y=28\;,\;v=14\\ w=3\;,\;h=1\;,\;x=20\;,\;y=28\;,\;v=3\\ w=3\;,\;h=1\;,\;x=20\;,\;y=29\;,\;v=3\\ w=9\;,\;h=5\;,\;x=11\;,\;y=25\;,\;v=45\\ w=9\;,\;h=1\;,\;x=2\;,\;y=25\;,\;v=9\\ w=2\;,\;h=1\;,\;x=0\;,\;y=25\;,\;v=2\\ \end{array}
```

w=9 , h=4 , x=2 , y=26 , v=36



```
\begin{array}{l} w=6\ ,\ h=7\ ,\ x=18\ ,\ y=0\ ,\ v=42\\ w=6\ ,\ h=7\ ,\ x=12\ ,\ y=0\ ,\ v=42\\ 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\\ w=4\ ,\ h=9\ ,\ x=26\ ,\ y=7\ ,\ v=36\\ w=4\ ,\ h=9\ ,\ x=26\ ,\ y=16\ ,\ v=36\\ w=4\ ,\ h=5\ ,\ x=26\ ,\ y=16\ ,\ v=36\\ w=4\ ,\ h=5\ ,\ x=26\ ,\ y=15\ ,\ v=20\\ w=5\ ,\ h=6\ ,\ x=21\ ,\ y=7\ ,\ v=30\\ w=5\ ,\ h=4\ ,\ x=21\ ,\ y=17\ ,\ v=15\\ w=1\ ,\ h=9\ ,\ x=25\ ,\ y=20\ ,\ v=9\\ w=2\ ,\ h=8\ ,\ x=23\ ,\ y=20\ ,\ v=16\\ w=2\ ,\ h=7\ ,\ x=21\ ,\ y=20\ ,\ v=14\\ \end{array}
```

w = 4, h = 1, x = 22, y = 29, v = 4

$$w$$
 =2 , h =10 , x =19 , y =7 , v =20

$$w = 1$$
, $h = 8$, $x = 20$, $y = 17$, $v = 8$

$$w$$
 =1 , h =5 , x =20 , y =25 , v =5

$$\mathbf{w}$$
 =1 , h =10 , x =19 , y =17 , v =10

$$w$$
 =8 , h =3 , x =11 , y =7 , v =24

$$w = 9$$
, $h = 2$, $x = 2$, $y = 7$, $v = 18$

$$\mathbf{w}$$
 =2 , h =6 , x =17 , y =10 , v =12

$$w$$
 =2 , h =5 , x =17 , y =16 , v =10

$$w=1$$
 , $h=\!8$, $x=\!18$, $y=\!21$, $v=\!8$

$$w = 7$$
, $h = 2$, $x = 10$, $y = 10$, $v = 14$