$ClassName: \ Class_02.2bp-30$

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

TypeNum: <u>58</u> Num: <u>80</u> OutS: <u>2700</u> InS: <u>2274</u> Rate: <u>0.842</u>

UB: **3** LB0: **3** LB: **3**

LBWithCut: $\underline{\mathbf{3}}$ NodeCut: $\underline{\mathbf{0}}$ 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: **true**

TimeOnPrimal: $\underline{0.000 \text{ s}}$ TimeOnPricing: $\underline{0.000 \text{ s}}$ TimeOnRmp: $\underline{0.063 \text{ s}}$ TotalTime: $\underline{0.124 \text{ s}}$

9x5	9x6	7x6	[5x6]
9x8	10x7	[7x7]	4x7
9x8	8x9	8x9	5x9
9x9	9x8	8x8	4x8

```
w =9, h =9, x =0, y =0, v =81

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

w =9, h =8, x =0, y =17, v =72
```

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

$$\mathbf{w}$$
 =8 , h =9 , x =9 , y =8 , v =72

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

$$w$$
 =10 , h =7 , x =9 , y =17 , v =70

$$w = 8$$
, $h = 8$, $x = 18$, $y = 0$, $v = 64$

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

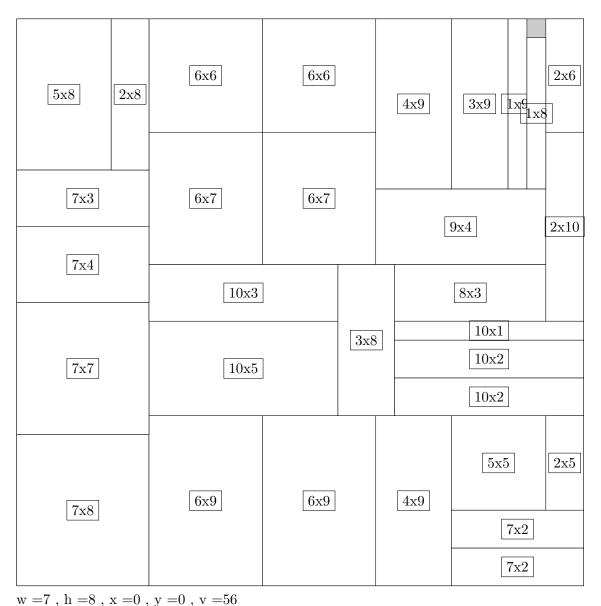
$$w$$
 =7 , h =7 , x =19 , y =17 , v =49

$$\le =9$$
 , h =5 , x =0 , y =25 , v =45

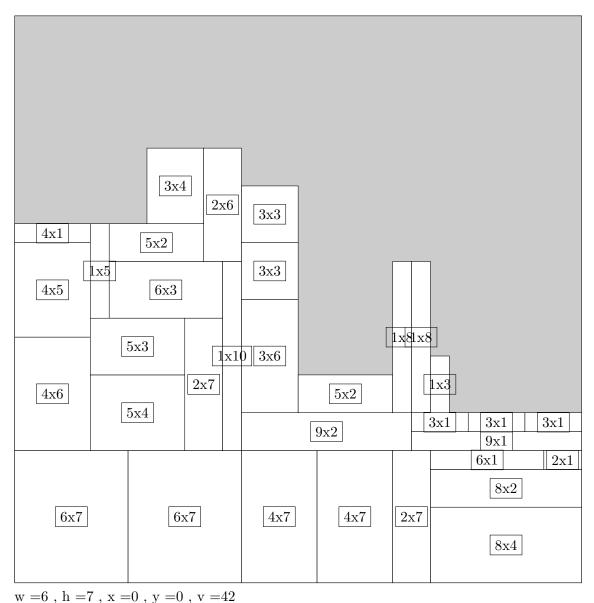
$$w$$
 =5 , h =9 , x =25 , y =8 , v =45

$$w$$
 =7 , h =6 , x =18 , y =24 , v =42

$$w = 4$$
, $h = 8$, $x = 26$, $y = 0$, $v = 32$



 $\begin{array}{l} w=5\;,\;h=5\;,\;x=23\;,\;y=4\;,\;v=25\\ w=8\;,\;h=3\;,\;x=20\;,\;y=14\;,\;v=24\\ w=3\;,\;h=8\;,\;x=17\;,\;y=9\;,\;v=24\\ w=7\;,\;h=3\;,\;x=0\;,\;y=19\;,\;v=21\\ w=2\;,\;h=8\;,\;x=5\;,\;y=22\;,\;v=16\\ w=10\;,\;h=2\;,\;x=20\;,\;y=9\;,\;v=20\\ w=2\;,\;h=10\;,\;x=28\;,\;y=14\;,\;v=20\\ w=10\;,\;h=2\;,\;x=20\;,\;y=11\;,\;v=20\\ w=7\;,\;h=2\;,\;x=23\;,\;y=0\;,\;v=14\\ w=7\;,\;h=2\;,\;x=23\;,\;y=0\;,\;v=14\\ w=7\;,\;h=2\;,\;x=23\;,\;y=2\;,\;v=14\\ w=2\;,\;h=6\;,\;x=28\;,\;y=24\;,\;v=12\\ w=10\;,\;h=1\;,\;x=20\;,\;y=13\;,\;v=10\\ w=2\;,\;h=5\;,\;x=28\;,\;y=4\;,\;v=10\\ w=1\;,\;h=9\;,\;x=26\;,\;y=21\;,\;v=9\\ w=1\;,\;h=8\;,\;x=27\;,\;y=21\;,\;v=8\\ \end{array}$



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

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

w = 8, h = 4, x = 22, y = 0, v = 32

w = 4, h = 7, x = 12, y = 0, v = 28

w = 4, h = 6, x = 10, y = 7, v = 24

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

w = 4, h = 5, x = 0, y = 13, v = 20

w = 4, h = 5, x = 0, y = 13, v = 20

w = 9, h = 2, x = 12, y = 7, v = 18

w = 6, h = 3, x = 5, y = 14, v = 18

w = 3, h = 6, x = 12, y = 9, v = 18

w = 8, h = 2, x = 22, y = 4, v = 16

w = 5, h = 3, x = 4, y = 11, v = 15

w = 2, h = 7, x = 20, y = 0, v = 14

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

w = 3, h = 4, x = 7, y = 19, v = 12
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w = 2, h = 6, x = 10, y = 17, v = 12
w=\!5 , h=\!2 , x=\!5 , y=\!17 , v=\!10
w = 5, h = 2, x = 15, y = 9, v = 10
w = 1, h = 10, x = 11, y = 7, v = 10
w = 9, h = 1, x = 21, y = 7, v = 9
w = 3, h = 3, x = 12, y = 15, v = 9
w =3 , h =3 , x =12 , y =18 , v =9
\mathbf{w} =1 , h =8 , x =20 , y =9 , v =8
w = 1, h = 8, x = 21, y = 9, v = 8
w = 6, h = 1, x = 22, y = 6, v = 6
w = 1, h = 5, x = 4, y = 14, v = 5
w = 4, h = 1, x = 0, y = 18, v = 4
w = 3, h = 1, x = 21, y = 8, v = 3
w = 3, h = 1, x = 24, y = 8, v = 3
\mathbf{w} = \! 3 , \mathbf{h} = \! \! 1 , \mathbf{x} = \! \! \! 27 , \mathbf{y} = \! \! \! 8 , \mathbf{v} = \! \! \! \! \! \! 3
w = 1, h = 3, x = 22, y = 9, v = 3
```

w = 2, h = 1, x = 28, y = 6, v = 2