$ClassName: \ Class\_02.2bp-28$ 

BinSize:  $30 \times 30$ ReduceSize:  $30 \times 30$ 

TypeNum: <u>48</u> Num: <u>60</u> OutS: <u>1800</u> InS: <u>1737</u> Rate: <u>0.965</u>

UB: **2**LB0: **2**LB: **2** 

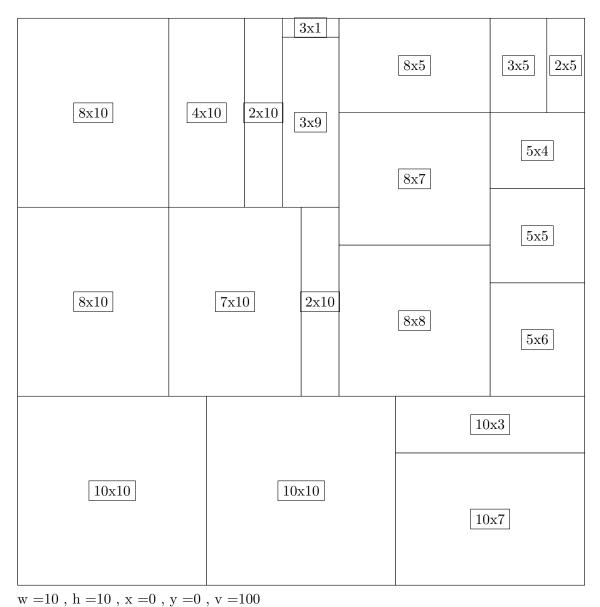
LBWithCut:  $\underline{\mathbf{2}}$  NodeCut:  $\underline{\mathbf{0}}$ 

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

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{2}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

isOpt: **true** 

TimeOnInitSolution: 0.000 sTimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.093 sTotalTime: 0.172 s



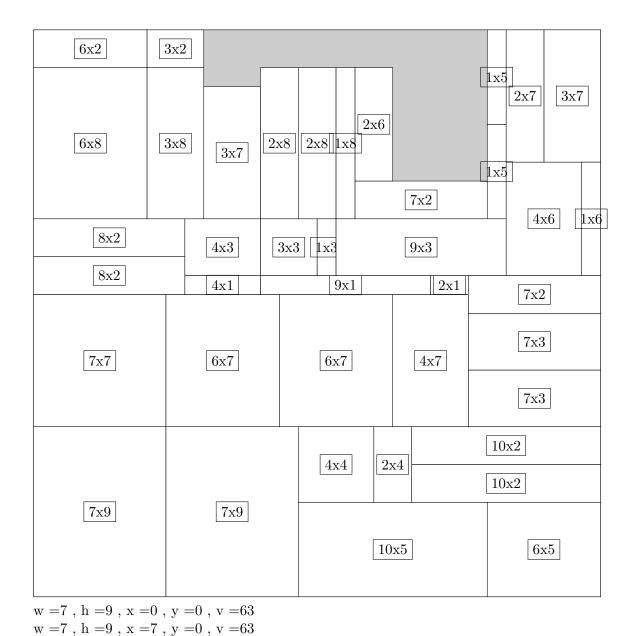
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w =10, h =10, x =10, y =0, v =100
w =8, h =10, x =0, y =10, v =80
w =8, h =10, x =0, y =20, v =80
w =10, h =7, x =20, y =0, v =70
w =7, h =10, x =8, y =10, v =70
w =8, h =8, x =17, y =10, v =64
w =8, h =7, x =17, y =18, v =56
w =8, h =5, x =17, y =25, v =40
w =4, h =10, x =8, y =20, v =40
w =10, h =3, x =20, y =7, v =30
w =5, h =6, x =25, y =10, v =30
w =3, h =9, x =14, y =20, v =27
w =5, h =5, x =25, y =16, v =25
w =5, h =4, x =25, y =21, v =20
w =2, h =10, x =12, y =20, v =20
```

 $\le = 2$  , h =10 , x =15 , y =10 , v =20

 $\le 3$  , h = 5 , x = 25 , y = 25 , v = 15

 $\mathbf{w}$  =2 , h =5 , x =28 , y =25 , v =10

 $\le =3$  , h =1 , x =14 , y =29 , v =3



$$\begin{array}{l} w=10\;,\;h=5\;,\;x=14\;,\;y=0\;,\;v=50\\ w=7\;,\;h=7\;,\;x=0\;,\;y=9\;,\;v=49\\ w=6\;,\;h=8\;,\;x=0\;,\;y=20\;,\;v=48\\ w=6\;,\;h=7\;,\;x=7\;,\;y=9\;,\;v=42\\ w=6\;,\;h=7\;,\;x=13\;,\;y=9\;,\;v=42\\ w=6\;,\;h=5\;,\;x=24\;,\;y=0\;,\;v=30\\ w=4\;,\;h=7\;,\;x=19\;,\;y=9\;,\;v=28\\ w=2\;,\;h=1\;,\;x=21\;,\;y=16\;,\;v=2\\ w=4\;,\;h=6\;,\;x=25\;,\;y=17\;,\;v=24\\ w=3\;,\;h=8\;,\;x=6\;,\;y=20\;,\;v=24\\ w=7\;,\;h=3\;,\;x=23\;,\;y=9\;,\;v=21\\ w=7\;,\;h=3\;,\;x=23\;,\;y=12\;,\;v=21\\ \end{array}$$

w = 3, h = 7, x = 27, y = 23, v = 21w = 3, h = 7, x = 9, y = 20, v = 21

```
w = 10, h = 2, x = 20, y = 5, v = 20
w = 10, h = 2, x = 20, y = 7, v = 20
w = 8, h = 2, x = 0, y = 16, v = 16
w = 8, h = 2, x = 0, y = 18, v = 16
w = 4, h = 4, x = 14, y = 5, v = 16
w = 2, h = 8, x = 12, y = 20, v = 16
w = 2, h = 8, x = 14, y = 20, v = 16
w =7 , h =2 , x =23 , y =15 , v =14
w = 7, h = 2, x = 17, y = 20, v = 14
w = 2, h = 7, x = 25, y = 23, v = 14
w = 6, h = 2, x = 0, y = 28, v = 12
w = 4, h = 3, x = 8, y = 17, v = 12
w = 2, h = 6, x = 17, y = 22, v = 12
w = 9, h = 1, x = 12, y = 16, v = 9
w = 3, h = 3, x = 12, y = 17, v = 9
w = 2, h = 4, x = 18, y = 5, v = 8
w = 1, h = 8, x = 16, y = 20, v = 8
w = 3, h = 2, x = 6, y = 28, v = 6
w = 1, h = 6, x = 29, y = 17, v = 6
w = 1, h = 5, x = 24, y = 20, v = 5
w =1 , h =5 , x =24 , y =25 , v =5
w = 4, h = 1, x = 8, y = 16, v = 4
\mathbf{w} =1 , h =3 , x =15 , y =17 , v =3
w = 9, h = 3, x = 16, y = 17, v = 27
```