$ClassName: \ Class_02.2bp-29$

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

TypeNum: <u>50</u> Num: <u>60</u> OutS: <u>2700</u> InS: <u>2108</u> Rate: <u>0.781</u>

UB: <u>3</u> LB0: <u>3</u> LB: **3**

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

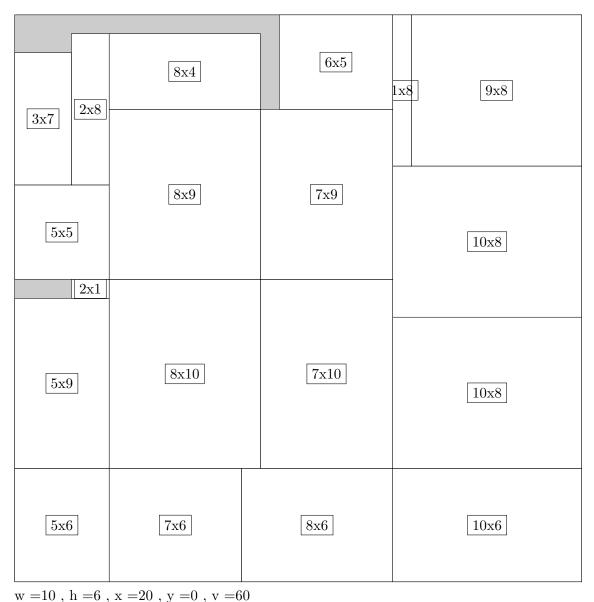
ExtendedNodeCnt: $\underline{\mathbf{1}}$

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

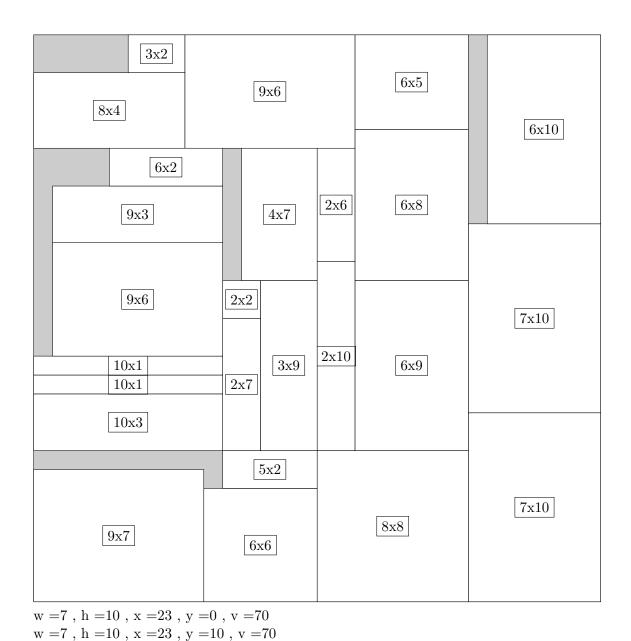
TimeOnInitSolution: $\underline{600.000 \text{ s}}$

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.312 s



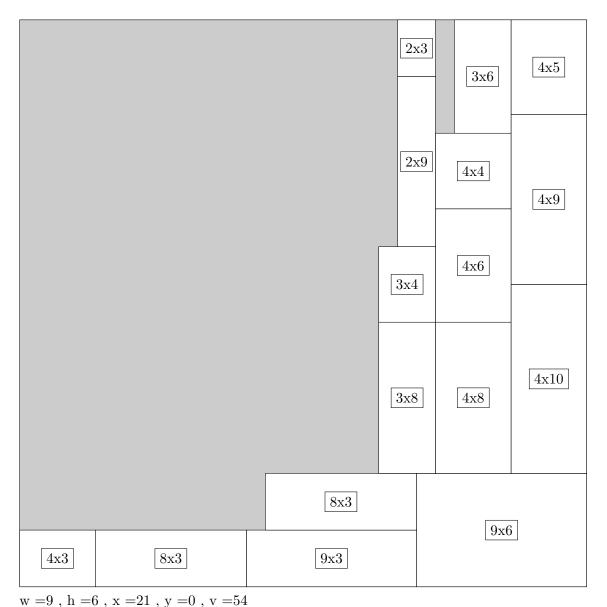
```
\begin{array}{l} w = 8 \; , \; h = 6 \; , \; x = 12 \; , \; y = 0 \; , \; v = 48 \\ w = 7 \; , \; h = 6 \; , \; x = 5 \; , \; y = 0 \; , \; v = 42 \\ w = 5 \; , \; h = 6 \; , \; x = 0 \; , \; y = 0 \; , \; v = 30 \\ w = 10 \; , \; h = 8 \; , \; x = 20 \; , \; y = 6 \; , \; v = 80 \\ w = 10 \; , \; h = 8 \; , \; x = 20 \; , \; y = 14 \; , \; v = 80 \\ w = 9 \; , \; h = 8 \; , \; x = 21 \; , \; y = 22 \; , \; v = 72 \\ w = 1 \; , \; h = 8 \; , \; x = 20 \; , \; y = 22 \; , \; v = 8 \\ w = 7 \; , \; h = 10 \; , \; x = 13 \; , \; y = 6 \; , \; v = 70 \\ w = 7 \; , \; h = 9 \; , \; x = 13 \; , \; y = 16 \; , \; v = 63 \\ w = 6 \; , \; h = 5 \; , \; x = 14 \; , \; y = 25 \; , \; v = 30 \\ w = 8 \; , \; h = 10 \; , \; x = 5 \; , \; y = 6 \; , \; v = 80 \\ w = 5 \; , \; h = 9 \; , \; x = 0 \; , \; y = 6 \; , \; v = 45 \\ w = 2 \; , \; h = 1 \; , \; x = 3 \; , \; y = 15 \; , \; v = 2 \\ w = 8 \; , \; h = 9 \; , \; x = 5 \; , \; y = 16 \; , \; v = 72 \\ w = 8 \; , \; h = 4 \; , \; x = 5 \; , \; y = 25 \; , \; v = 32 \\ \end{array}
```

 $\begin{array}{l} w = 5 \ , \ h = 5 \ , \ x = 0 \ , \ y = 16 \ , \ v = 25 \\ w = 2 \ , \ h = 8 \ , \ x = 3 \ , \ y = 21 \ , \ v = 16 \\ w = 3 \ , \ h = 7 \ , \ x = 0 \ , \ y = 21 \ , \ v = 21 \end{array}$



$$\begin{array}{l} w=6\;,\;h=10\;,\;x=24\;,\;y=20\;,\;v=60\\ w=8\;,\;h=8\;,\;x=15\;,\;y=0\;,\;v=64\\ w=6\;,\;h=6\;,\;x=9\;,\;y=0\;,\;v=36\\ w=5\;,\;h=2\;,\;x=10\;,\;y=6\;,\;v=10\\ w=9\;,\;h=7\;,\;x=0\;,\;y=0\;,\;v=63\\ w=6\;,\;h=9\;,\;x=17\;,\;y=8\;,\;v=54\\ w=6\;,\;h=8\;,\;x=17\;,\;y=17\;,\;v=48\\ w=6\;,\;h=8\;,\;x=17\;,\;y=25\;,\;v=30\\ w=2\;,\;h=10\;,\;x=15\;,\;y=8\;,\;v=20\\ w=2\;,\;h=6\;,\;x=15\;,\;y=18\;,\;v=12\\ w=3\;,\;h=9\;,\;x=12\;,\;y=8\;,\;v=27\\ w=2\;,\;h=7\;,\;x=10\;,\;y=8\;,\;v=14\\ \end{array}$$

w =2 , h =2 , x =10 , y =15 , v =4 w =4 , h =7 , x =11 , y =17 , v =28 $\begin{array}{l} w=10\;,\; h=3\;,\; x=0\;,\; y=8\;,\; v=30\\ w=10\;,\; h=1\;,\; x=0\;,\; y=11\;,\; v=10\\ w=10\;,\; h=1\;,\; x=0\;,\; y=12\;,\; v=10\\ w=9\;,\; h=6\;,\; x=1\;,\; y=13\;,\; v=54\\ w=9\;,\; h=3\;,\; x=1\;,\; y=19\;,\; v=27\\ w=6\;,\; h=2\;,\; x=4\;,\; y=22\;,\; v=12\\ w=9\;,\; h=6\;,\; x=8\;,\; y=24\;,\; v=54\\ w=8\;,\; h=4\;,\; x=0\;,\; y=24\;,\; v=32\\ w=3\;,\; h=2\;,\; x=5\;,\; y=28\;,\; v=6\\ \end{array}$



```
w = 9, h = 3, x = 12, y = 0, v = 27

w = 8, h = 3, x = 13, y = 3, v = 24

w = 8, h = 3, x = 4, y = 0, v = 24

w = 4, h = 3, x = 0, y = 0, v = 12

w = 4, h = 10, x = 26, y = 6, v = 40

w = 4, h = 9, x = 26, y = 16, v = 36

w = 4, h = 5, x = 26, y = 25, v = 20

w = 4, h = 8, x = 22, y = 6, v = 32

w = 4, h = 6, x = 22, y = 14, v = 24

w = 4, h = 4, x = 22, y = 20, v = 16

w = 3, h = 6, x = 23, y = 24, v = 18

w = 3, h = 8, x = 19, y = 6, v = 24

w = 3, h = 4, x = 19, y = 14, v = 12

w = 2, h = 9, x = 20, y = 18, v = 18

w = 2, h = 3, x = 20, y = 27, v = 6
```