$ClassName: \ Class_02.2bp-20$

BinSize: 30×30 ReduceSize: 30×30

TypeNum: <u>43</u> Num: <u>60</u> OutS: <u>2700</u> InS: <u>2007</u> Rate: <u>0.743</u>

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

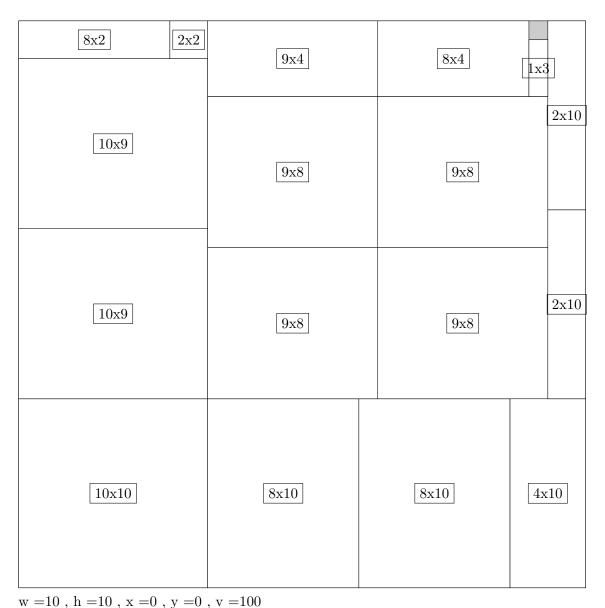
LBWithCut: $\underline{\mathbf{3}}$ NodeCut: $\underline{\mathbf{0}}$

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

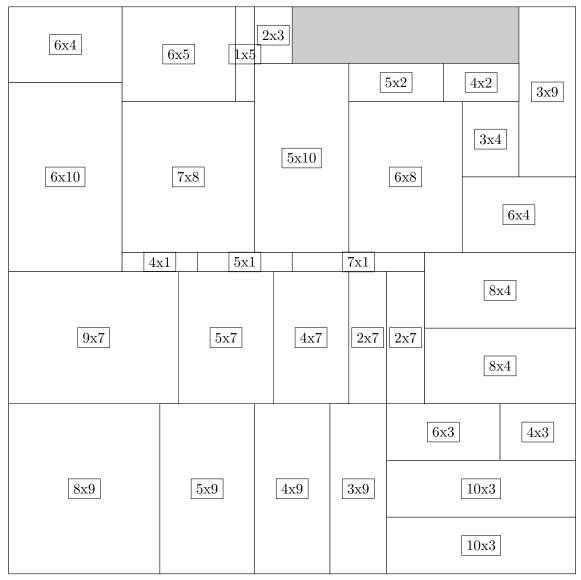
isOpt: **true**

TimeOnInitSolution: 0.000 sTimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.094 sTotalTime: 0.156 s



```
\begin{array}{l} w = 10 \; , \; h = 9 \; , \; x = 0 \; , \; y = 10 \; , \; v = 90 \\ w = 10 \; , \; h = 9 \; , \; x = 0 \; , \; y = 19 \; , \; v = 90 \\ w = 8 \; , \; h = 10 \; , \; x = 10 \; , \; y = 0 \; , \; v = 80 \\ w = 8 \; , \; h = 10 \; , \; x = 18 \; , \; y = 0 \; , \; v = 80 \\ w = 9 \; , \; h = 8 \; , \; x = 10 \; , \; y = 10 \; , \; v = 72 \\ w = 9 \; , \; h = 8 \; , \; x = 19 \; , \; y = 10 \; , \; v = 72 \\ w = 9 \; , \; h = 8 \; , \; x = 10 \; , \; y = 18 \; , \; v = 72 \\ w = 9 \; , \; h = 8 \; , \; x = 19 \; , \; y = 18 \; , \; v = 72 \\ w = 9 \; , \; h = 8 \; , \; x = 19 \; , \; y = 18 \; , \; v = 72 \\ w = 4 \; , \; h = 10 \; , \; x = 26 \; , \; y = 0 \; , \; v = 40 \\ w = 9 \; , \; h = 4 \; , \; x = 10 \; , \; y = 26 \; , \; v = 36 \\ w = 8 \; , \; h = 4 \; , \; x = 19 \; , \; y = 26 \; , \; v = 32 \\ w = 2 \; , \; h = 10 \; , \; x = 28 \; , \; y = 10 \; , \; v = 20 \\ w = 2 \; , \; h = 10 \; , \; x = 28 \; , \; y = 20 \; , \; v = 20 \\ w = 2 \; , \; h = 2 \; , \; x = 0 \; , \; y = 28 \; , \; v = 16 \\ w = 2 \; , \; h = 2 \; , \; x = 8 \; , \; y = 28 \; , \; v = 4 \end{array}
```

 $\mathbf{w}=\!\!1$, $\mathbf{h}=\!\!3$, $\mathbf{x}=\!\!27$, $\mathbf{y}=\!\!26$, $\mathbf{v}=\!\!3$



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

$$\le =9$$
 , h =7 , x =0 , y =9 , v =63

$$w = 6$$
, $h = 10$, $x = 0$, $y = 16$, $v = 60$

$$w = 7$$
, $h = 8$, $x = 6$, $y = 17$, $v = 56$

$$w = 5$$
, $h = 10$, $x = 13$, $y = 17$, $v = 50$

$$w = 6$$
, $h = 8$, $x = 18$, $y = 17$, $v = 48$

$$w=5$$
 , $h=9$, $x=8$, $y=0$, $v=\!\!45$

$$w = 4$$
, $h = 9$, $x = 13$, $y = 0$, $v = 36$

$$w = 5$$
, $h = 7$, $x = 9$, $y = 9$, $v = 35$

$$w = 8$$
, $h = 4$, $x = 22$, $y = 9$, $v = 32$

$$w = 8$$
, $h = 4$, $x = 22$, $y = 13$, $v = 32$

$$w = 3$$
, $h = 4$, $x = 24$, $y = 21$, $v = 12$

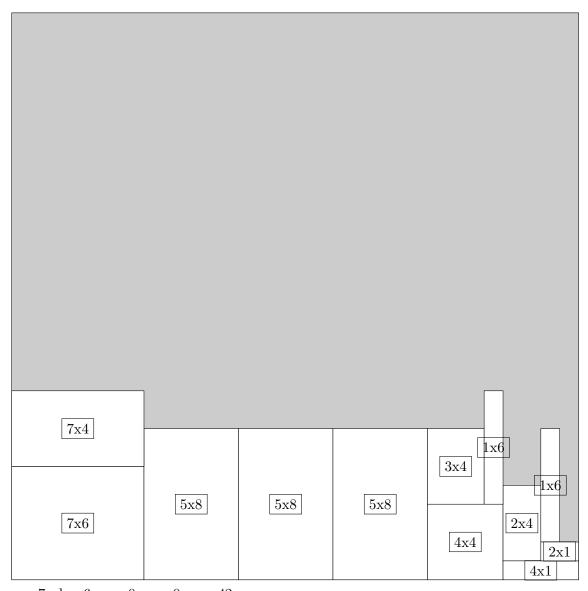
$$w$$
 =10 , h =3 , x =20 , y =0 , v =30

$$\mathbf{w}$$
 =6 , h =5 , x =6 , y =25 , v =30

$$w=\!\!4$$
 , $h=\!\!7$, $x=\!\!14$, $y=\!\!9$, $v=\!\!28$

$$w = 3$$
, $h = 9$, $x = 17$, $y = 0$, $v = 27$

```
\begin{array}{l} w=3\;,\;h=9\;,\;x=27\;,\;y=21\;,\;v=27\\ w=6\;,\;h=4\;,\;x=0\;,\;y=26\;,\;v=24\\ w=6\;,\;h=4\;,\;x=24\;,\;y=17\;,\;v=24\\ w=6\;,\;h=3\;,\;x=20\;,\;y=6\;,\;v=18\\ w=2\;,\;h=7\;,\;x=18\;,\;y=9\;,\;v=14\\ w=2\;,\;h=7\;,\;x=20\;,\;y=9\;,\;v=14\\ w=4\;,\;h=3\;,\;x=26\;,\;y=6\;,\;v=12\\ w=10\;,\;h=3\;,\;x=26\;,\;y=6\;,\;v=12\\ w=10\;,\;h=3\;,\;x=20\;,\;y=3\;,\;v=30\\ w=5\;,\;h=2\;,\;x=18\;,\;y=25\;,\;v=10\\ w=4\;,\;h=2\;,\;x=23\;,\;y=25\;,\;v=8\\ w=7\;,\;h=1\;,\;x=15\;,\;y=16\;,\;v=7\\ w=2\;,\;h=3\;,\;x=13\;,\;y=27\;,\;v=6\\ w=5\;,\;h=1\;,\;x=10\;,\;y=16\;,\;v=5\\ w=1\;,\;h=5\;,\;x=12\;,\;y=25\;,\;v=5\\ w=4\;,\;h=1\;,\;x=6\;,\;y=16\;,\;v=4\\ \end{array}
```



$$\begin{array}{l} w=7\ ,\ h=6\ ,\ x=0\ ,\ y=0\ ,\ v=42\\ w=5\ ,\ h=8\ ,\ x=7\ ,\ y=0\ ,\ v=40\\ w=5\ ,\ h=8\ ,\ x=12\ ,\ y=0\ ,\ v=40\\ w=5\ ,\ h=8\ ,\ x=17\ ,\ y=0\ ,\ v=40\\ w=7\ ,\ h=4\ ,\ x=0\ ,\ y=6\ ,\ v=28\\ w=4\ ,\ h=4\ ,\ x=22\ ,\ y=0\ ,\ v=16\\ w=3\ ,\ h=4\ ,\ x=22\ ,\ y=4\ ,\ v=12\\ w=2\ ,\ h=4\ ,\ x=26\ ,\ y=1\ ,\ v=8\\ w=1\ ,\ h=6\ ,\ x=28\ ,\ y=2\ ,\ v=6\\ w=4\ ,\ h=1\ ,\ x=26\ ,\ y=0\ ,\ v=4\\ w=2\ ,\ h=1\ ,\ x=28\ ,\ y=1\ ,\ v=2\\ \end{array}$$