$ClassName: \ Class\_02.2bp-42$ 

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

TypeNum: <u>60</u> Num: <u>100</u> OutS: <u>2700</u> InS: <u>2668</u> Rate: <u>0.988</u>

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

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

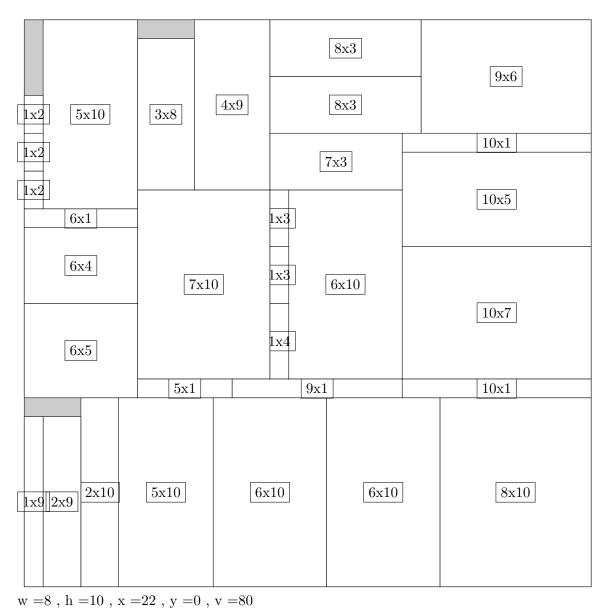
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

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

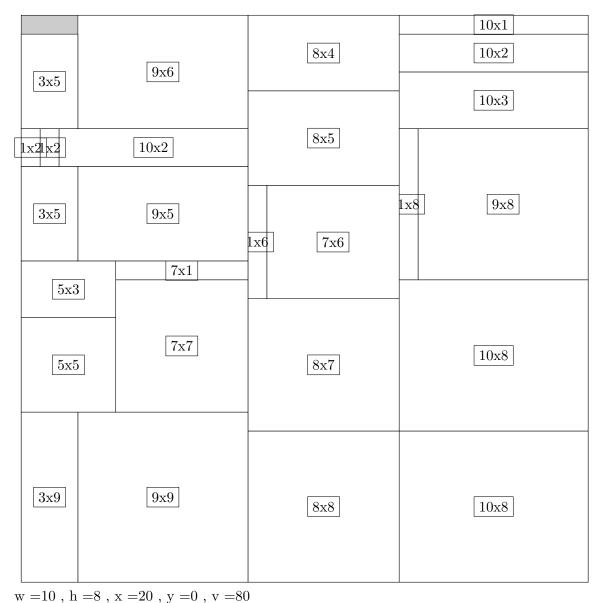
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 600.312 s



```
\begin{array}{l} w=6\;,\;h=10\;,\;x=16\;,\;y=0\;,\;v=60\\ w=6\;,\;h=10\;,\;x=10\;,\;y=0\;,\;v=60\\ w=5\;,\;h=10\;,\;x=5\;,\;y=0\;,\;v=50\\ w=2\;,\;h=10\;,\;x=3\;,\;y=0\;,\;v=20\\ w=2\;,\;h=9\;,\;x=1\;,\;y=0\;,\;v=18\\ w=1\;,\;h=9\;,\;x=0\;,\;y=0\;,\;v=9\\ w=10\;,\;h=1\;,\;x=20\;,\;y=10\;,\;v=10\\ w=9\;,\;h=1\;,\;x=11\;,\;y=10\;,\;v=9\\ w=5\;,\;h=1\;,\;x=6\;,\;y=10\;,\;v=5\\ w=10\;,\;h=7\;,\;x=20\;,\;y=11\;,\;v=70\\ w=10\;,\;h=5\;,\;x=20\;,\;y=18\;,\;v=50\\ w=10\;,\;h=1\;,\;x=20\;,\;y=23\;,\;v=10\\ w=6\;,\;h=10\;,\;x=14\;,\;y=11\;,\;v=60\\ w=1\;,\;h=4\;,\;x=13\;,\;y=11\;,\;v=4\\ w=1\;,\;h=3\;,\;x=13\;,\;y=15\;,\;v=3\\ \end{array}
```

```
\begin{array}{l} w=1\ ,\ h=3\ ,\ x=13\ ,\ y=18\ ,\ v=3\\ w=7\ ,\ h=3\ ,\ x=13\ ,\ y=21\ ,\ v=21\\ w=9\ ,\ h=6\ ,\ x=21\ ,\ y=24\ ,\ v=54\\ w=8\ ,\ h=3\ ,\ x=13\ ,\ y=24\ ,\ v=24\\ w=8\ ,\ h=3\ ,\ x=13\ ,\ y=27\ ,\ v=24\\ w=7\ ,\ h=10\ ,\ x=6\ ,\ y=11\ ,\ v=70\\ w=4\ ,\ h=9\ ,\ x=9\ ,\ y=21\ ,\ v=36\\ w=3\ ,\ h=8\ ,\ x=6\ ,\ y=21\ ,\ v=24\\ w=6\ ,\ h=5\ ,\ x=0\ ,\ y=10\ ,\ v=30\\ w=6\ ,\ h=4\ ,\ x=0\ ,\ y=15\ ,\ v=24\\ w=6\ ,\ h=1\ ,\ x=0\ ,\ y=15\ ,\ v=24\\ w=6\ ,\ h=1\ ,\ x=0\ ,\ y=19\ ,\ v=6\\ w=5\ ,\ h=10\ ,\ x=1\ ,\ y=20\ ,\ v=50\\ w=1\ ,\ h=2\ ,\ x=0\ ,\ y=22\ ,\ v=2\\ w=1\ ,\ h=2\ ,\ x=0\ ,\ y=22\ ,\ v=2\\ \end{array}
```

w = 1, h = 2, x = 0, y = 24, v = 2



```
w =10, h =8, x =20, y =8, v =80

w =9, h =8, x =21, y =16, v =72

w =1, h =8, x =20, y =16, v =8

w =10, h =3, x =20, y =24, v =30

w =10, h =2, x =20, y =27, v =20

w =10, h =1, x =20, y =29, v =10

w =8, h =8, x =12, y =0, v =64

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

w =7, h =6, x =13, y =15, v =42

w =1, h =6, x =12, y =15, v =6

w =8, h =5, x =12, y =21, v =40

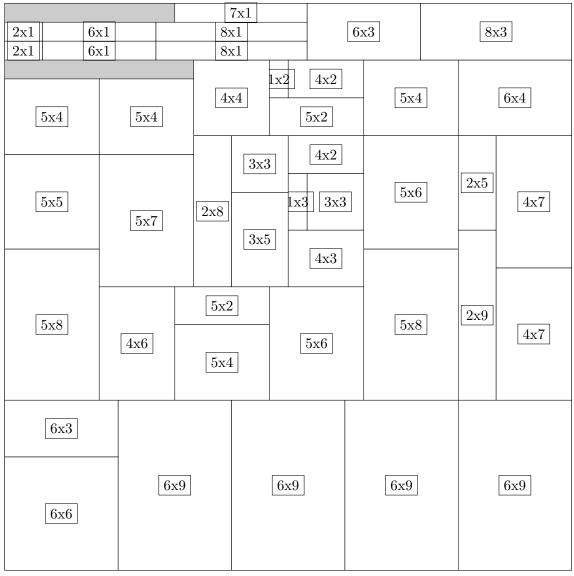
w =8, h =4, x =12, y =26, v =32

w =9, h =9, x =3, y =0, v =81

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

w =7, h =7, x =5, y =9, v =49
```

 $\begin{array}{l} w=7\ ,\ h=1\ ,\ x=5\ ,\ y=16\ ,\ v=7\\ w=5\ ,\ h=5\ ,\ x=0\ ,\ y=9\ ,\ v=25\\ w=5\ ,\ h=3\ ,\ x=0\ ,\ y=14\ ,\ v=15\\ w=9\ ,\ h=5\ ,\ x=3\ ,\ y=17\ ,\ v=45\\ w=3\ ,\ h=5\ ,\ x=0\ ,\ y=17\ ,\ v=15\\ w=10\ ,\ h=2\ ,\ x=2\ ,\ y=22\ ,\ v=20\\ w=1\ ,\ h=2\ ,\ x=1\ ,\ y=22\ ,\ v=2\\ w=1\ ,\ h=2\ ,\ x=0\ ,\ y=22\ ,\ v=2\\ w=9\ ,\ h=6\ ,\ x=3\ ,\ y=24\ ,\ v=54\\ w=3\ ,\ h=5\ ,\ x=0\ ,\ y=24\ ,\ v=15\\ \end{array}$ 



$$w = 6$$
,  $h = 9$ ,  $x = 24$ ,  $y = 0$ ,  $v = 54$ 

$$w = 6$$
,  $h = 9$ ,  $x = 12$ ,  $y = 0$ ,  $v = 54$ 

$$w = 6$$
,  $h = 9$ ,  $x = 6$ ,  $y = 0$ ,  $v = 54$ 

$$w = 6$$
,  $h = 6$ ,  $x = 0$ ,  $y = 0$ ,  $v = 36$ 

$$\mathbf{w}$$
 =6 , h =3 , x =0 , y =6 , v =18

$$w = 4$$
,  $h = 7$ ,  $x = 26$ ,  $y = 9$ ,  $v = 28$ 

$$w = 4$$
,  $h = 7$ ,  $x = 26$ ,  $y = 16$ ,  $v = 28$ 

$$w = 2$$
,  $h = 9$ ,  $x = 24$ ,  $y = 9$ ,  $v = 18$ 

$$w = 2$$
,  $h = 5$ ,  $x = 24$ ,  $y = 18$ ,  $v = 10$ 

$$w = 6$$
,  $h = 4$ ,  $x = 24$ ,  $y = 23$ ,  $v = 24$ 

$$w = 5$$
,  $h = 8$ ,  $x = 19$ ,  $y = 9$ ,  $v = 40$ 

$$w = 5$$
,  $h = 6$ ,  $x = 19$ ,  $y = 17$ ,  $v = 30$ 

$$w = 5$$
,  $h = 4$ ,  $x = 19$ ,  $y = 23$ ,  $v = 20$ 

$$w = 5$$
,  $h = 6$ ,  $x = 14$ ,  $y = 9$ ,  $v = 30$ 

$$w = 5$$
,  $h = 4$ ,  $x = 9$ ,  $y = 9$ ,  $v = 20$ 

w = 6, h = 9, x = 18, y = 0, v = 54

```
w = 5, h = 2, x = 9, y = 13, v = 10
w = 4, h = 6, x = 5, y = 9, v = 24
w = 4, h = 3, x = 15, y = 15, v = 12
w = 3, h = 3, x = 16, y = 18, v = 9
w = 1, h = 3, x = 15, y = 18, v = 3
w = 4, h = 2, x = 15, y = 21, v = 8
w = 3, h = 5, x = 12, y = 15, v = 15
w = 3, h = 3, x = 12, y = 20, v = 9
w = 2, h = 8, x = 10, y = 15, v = 16
w = 5, h = 2, x = 14, y = 23, v = 10
w = 4, h = 2, x = 15, y = 25, v = 8
w = 1, h = 2, x = 14, y = 25, v = 2
w = 4, h = 4, x = 10, y = 23, v = 16
w = 5, h = 7, x = 5, y = 15, v = 35
w = 5, h = 4, x = 5, y = 22, v = 20
w = 5, h = 8, x = 0, y = 9, v = 40
w = 5, h = 5, x = 0, y = 17, v = 25
w = 5, h = 4, x = 0, y = 22, v = 20
w = 8, h = 3, x = 22, y = 27, v = 24
w = 6, h = 3, x = 16, y = 27, v = 18
w = 8, h = 1, x = 8, y = 27, v = 8
w = 8, h = 1, x = 8, y = 28, v = 8
w = 7, h = 1, x = 9, y = 29, v = 7
w = 6, h = 1, x = 2, y = 27, v = 6
w = 2, h = 1, x = 0, y = 27, v = 2
```

w =6, h =1, x =2, y =28, v =6 w =2, h =1, x =0, y =28, v =2