$ClassName: \ Class\_02.2bp-23$ 

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

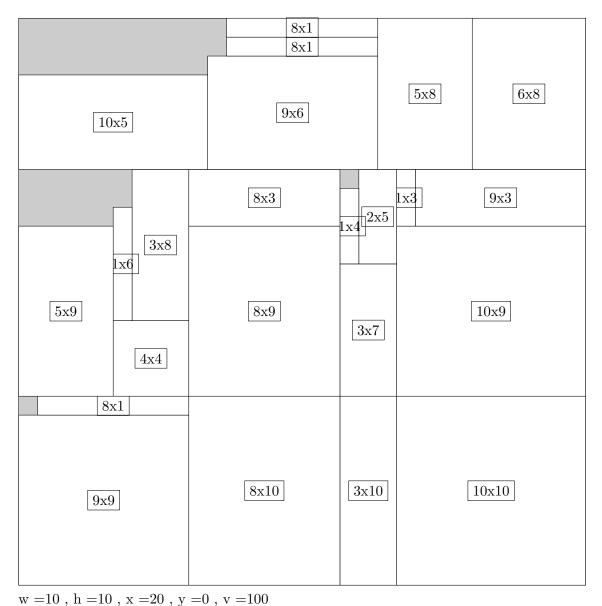
TypeNum:  $\underline{48}$ Num: **60** OutS: **2700** InS: 1823Rate:  $\underline{0.675}$ 

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

LBWithCut: 3 NodeCount:  $\mathbf{0}$ PrimalNode:  $\mathbf{0}$ ColumnCount:  $\underline{\mathbf{3}}$  $TotalCutCount: \ \mathbf{0}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt: 1 PricingSolverCnt:  $\underline{\mathbf{0}}$ Branch And<br/>Bound Num:  $\underline{\mathbf{1}}$ 

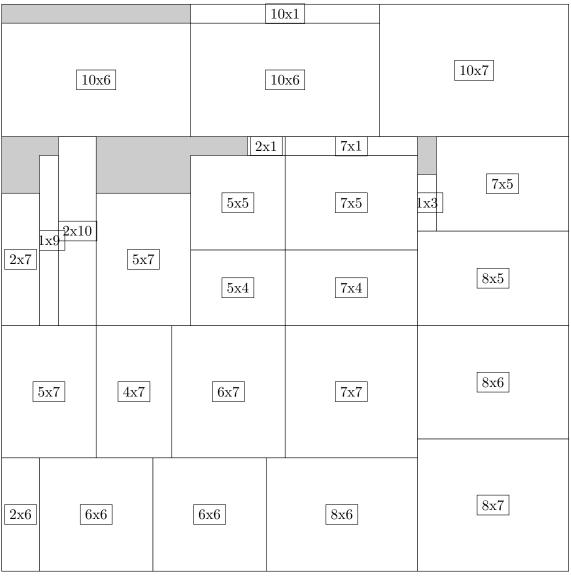
isOpt:  $\underline{\mathbf{true}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp:  $\underline{0.062 \text{ s}}$ TotalTime: 0.203 s



```
\begin{array}{l} w=10\;,\;h=9\;,\;x=20\;,\;y=10\;,\;v=90\\ w=9\;,\;h=3\;,\;x=21\;,\;y=19\;,\;v=27\\ w=1\;,\;h=3\;,\;x=20\;,\;y=19\;,\;v=3\\ w=3\;,\;h=10\;,\;x=17\;,\;y=0\;,\;v=30\\ w=3\;,\;h=7\;,\;x=17\;,\;y=10\;,\;v=21\\ w=2\;,\;h=5\;,\;x=18\;,\;y=17\;,\;v=10\\ w=1\;,\;h=4\;,\;x=17\;,\;y=17\;,\;v=4\\ w=8\;,\;h=10\;,\;x=9\;,\;y=0\;,\;v=80\\ w=9\;,\;h=9\;,\;x=0\;,\;y=0\;,\;v=81\\ w=8\;,\;h=1\;,\;x=1\;,\;y=9\;,\;v=8\\ w=8\;,\;h=1\;,\;x=1\;,\;y=9\;,\;v=8\\ w=8\;,\;h=9\;,\;x=9\;,\;y=10\;,\;v=72\\ w=8\;,\;h=3\;,\;x=9\;,\;y=10\;,\;v=24\\ w=4\;,\;h=4\;,\;x=5\;,\;y=10\;,\;v=16\\ w=3\;,\;h=8\;,\;x=6\;,\;y=14\;,\;v=24\\ w=1\;,\;h=6\;,\;x=5\;,\;y=14\;,\;v=6\\ \end{array}
```

 $\begin{array}{l} w=5 \ , \ h=9 \ , \ x=0 \ , \ y=10 \ , \ v=45 \\ w=6 \ , \ h=8 \ , \ x=24 \ , \ y=22 \ , \ v=48 \\ w=5 \ , \ h=8 \ , \ x=19 \ , \ y=22 \ , \ v=40 \\ w=9 \ , \ h=6 \ , \ x=10 \ , \ y=22 \ , \ v=54 \\ w=8 \ , \ h=1 \ , \ x=11 \ , \ y=28 \ , \ v=8 \\ w=8 \ , \ h=1 \ , \ x=11 \ , \ y=29 \ , \ v=8 \\ w=10 \ , \ h=5 \ , \ x=0 \ , \ y=22 \ , \ v=50 \end{array}$ 



$$w = 8$$
,  $h = 7$ ,  $x = 22$ ,  $y = 0$ ,  $v = 56$ 

$$w = 8$$
,  $h = 6$ ,  $x = 22$ ,  $y = 7$ ,  $v = 48$ 

$$w = 8$$
,  $h = 5$ ,  $x = 22$ ,  $y = 13$ ,  $v = 40$ 

$$w = 7$$
,  $h = 5$ ,  $x = 23$ ,  $y = 18$ ,  $v = 35$ 

$$w = 1$$
,  $h = 3$ ,  $x = 22$ ,  $y = 18$ ,  $v = 3$ 

$$w = 8$$
,  $h = 6$ ,  $x = 14$ ,  $y = 0$ ,  $v = 48$ 

$$w = 6$$
,  $h = 6$ ,  $x = 8$ ,  $y = 0$ ,  $v = 36$ 

$$w = 6$$
,  $h = 6$ ,  $x = 2$ ,  $y = 0$ ,  $v = 36$ 

$$w = 2$$
,  $h = 6$ ,  $x = 0$ ,  $y = 0$ ,  $v = 12$ 

$$w$$
 =7 , h =7 , x =15 , y =6 , v =49

$$w = 6$$
,  $h = 7$ ,  $x = 9$ ,  $y = 6$ ,  $v = 42$ 

$$\mathbf{w}=\!\!4$$
 ,  $\mathbf{h}=\!\!7$  ,  $\mathbf{x}=\!\!5$  ,  $\mathbf{y}=\!\!6$  ,  $\mathbf{v}=\!\!28$ 

$$w = 7$$
,  $h = 4$ ,  $x = 15$ ,  $y = 13$ ,  $v = 28$ 

$$w=\!5$$
 ,  $h=\!4$  ,  $x=\!10$  ,  $y=\!13$  ,  $v=\!20$ 

$$w = 7$$
,  $h = 5$ ,  $x = 15$ ,  $y = 17$ ,  $v = 35$ 

$$w = 7$$
,  $h = 1$ ,  $x = 15$ ,  $y = 22$ ,  $v = 7$ 

w =5, h =5, x =10, y =17, v =25 w =2, h =1, x =13, y =22, v =2

 $\mathbf{w}$  =5 , h =7 , x =5 , y =13 , v =35

 $\mathbf{w}$  =5 , h =7 , x =0 , y =6 , v =35

 $\mathbf{w}$  =2 , h =10 , x =3 , y =13 , v =20

 $\mathbf{w}$  =1 , h =9 , x =2 , y =13 , v =9

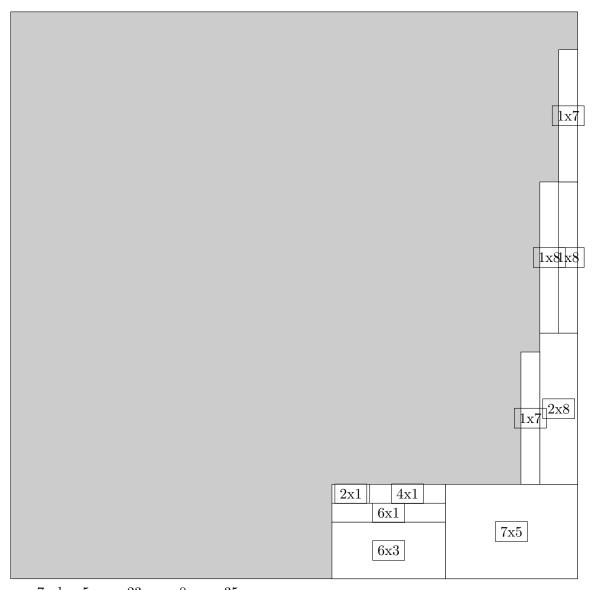
 $\mathbf{w}$  =2 , h =7 , x =0 , y =13 , v =14

 $\mathbf{w}$  =10 , h =7 , x =20 , y =23 , v =70

 $w=\!10$  ,  $h=\!6$  ,  $x=\!10$  ,  $y=\!23$  ,  $v=\!60$ 

 $w=\!10$  ,  $h=\!1$  ,  $x=\!10$  ,  $y=\!29$  ,  $v=\!10$ 

w = 10, h = 6, x = 0, y = 23, v = 60



```
\begin{array}{l} w=7\ ,\ h=5\ ,\ x=23\ ,\ y=0\ ,\ v=35\\ w=6\ ,\ h=3\ ,\ x=17\ ,\ y=0\ ,\ v=18\\ w=6\ ,\ h=1\ ,\ x=17\ ,\ y=3\ ,\ v=6\\ w=4\ ,\ h=1\ ,\ x=19\ ,\ y=4\ ,\ v=4\\ w=2\ ,\ h=1\ ,\ x=17\ ,\ y=4\ ,\ v=2\\ w=2\ ,\ h=8\ ,\ x=28\ ,\ y=5\ ,\ v=16\\ w=1\ ,\ h=8\ ,\ x=29\ ,\ y=13\ ,\ v=8\\ w=1\ ,\ h=8\ ,\ x=28\ ,\ y=13\ ,\ v=8\\ w=1\ ,\ h=7\ ,\ x=29\ ,\ y=21\ ,\ v=7\\ w=1\ ,\ h=7\ ,\ x=27\ ,\ y=5\ ,\ v=7\\ \end{array}
```