$ClassName: \ Class_02.2bp-22$

BinSize: 30×30 ReduceSize: 30×30

TypeNum: <u>44</u> Num: <u>60</u> OutS: <u>2700</u> InS: <u>1817</u> Rate: <u>0.673</u>

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

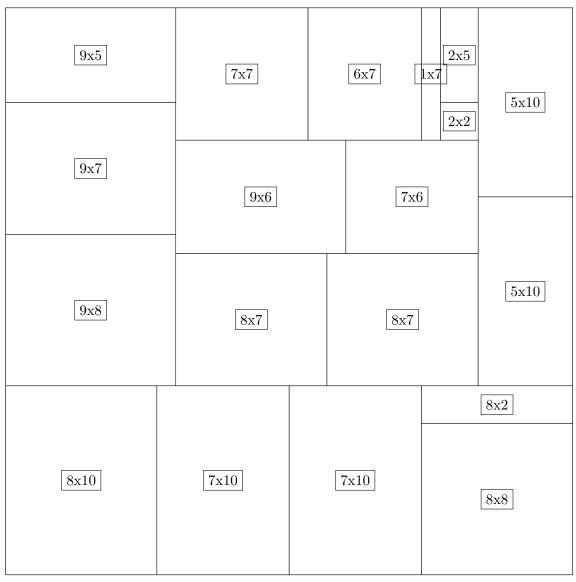
LBWithCut: $\underline{\mathbf{3}}$ NodeCut: $\underline{\mathbf{0}}$

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: 0.000 sTimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.140 s



$$w = 8$$
, $h = 10$, $x = 0$, $y = 0$, $v = 80$

$$w$$
 =9 , h =8 , x =0 , y =10 , v =72

$$\mathbf{w}$$
 =7 , h =10 , x =8 , y =0 , v =70

$$w$$
 =7 , h =10 , x =15 , y =0 , v =70

$$\le =8$$
 , $\le =8$, $\ge =22$, y =0 , v =64

$$w = 9$$
, $h = 7$, $x = 0$, $y = 18$, $v = 63$

$$w = 8$$
, $h = 7$, $x = 17$, $y = 10$, $v = 56$

$$\le =9$$
 , h =6 , x =9 , y =17 , v =54

$$w$$
 =5 , h =10 , x =25 , y =10 , v =50

$$w = 5$$
, $h = 10$, $x = 25$, $y = 20$, $v = 50$
 $w = 7$, $h = 7$, $x = 9$, $y = 23$, $v = 49$

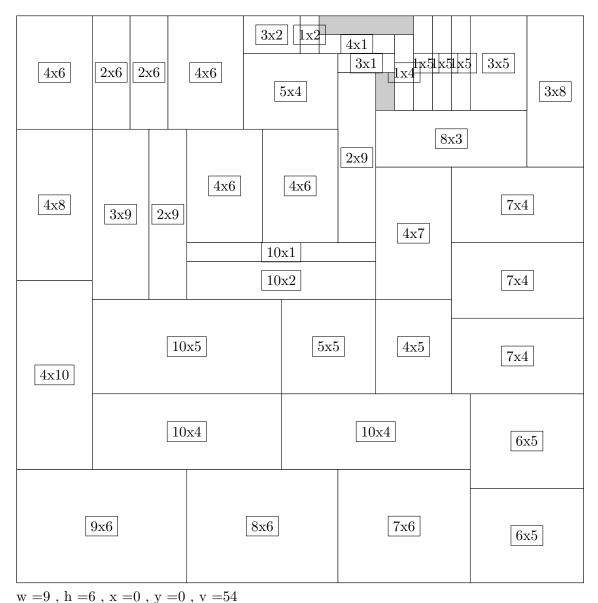
$$w = 9$$
, $h = 5$, $x = 0$, $y = 25$, $v = 45$

$$\mathbf{w}$$
 =7 , h =6 , x =18 , y =17 , v =42

$$w = 6$$
, $h = 7$, $x = 16$, $y = 23$, $v = 42$

$$w = 2$$
, $h = 2$, $x = 23$, $y = 23$, $v = 4$

 $\begin{array}{l} w = 8 \;, \; h = 2 \;, \; x = 22 \;, \; y = 8 \;, \; v = 16 \\ w = 2 \;, \; h = 5 \;, \; x = 23 \;, \; y = 25 \;, \; v = 10 \\ w = 1 \;, \; h = 7 \;, \; x = 22 \;, \; y = 23 \;, \; v = 7 \end{array}$



```
w = 3, h = 0, x = 0, y = 0, v = 34

w = 10, h = 5, x = 4, y = 10, v = 50

w = 8, h = 6, x = 9, y = 0, v = 48

w = 7, h = 6, x = 17, y = 0, v = 42

w = 10, h = 4, x = 14, y = 6, v = 40

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

w = 4, h = 10, x = 0, y = 6, v = 40

w = 4, h = 8, x = 0, y = 16, v = 32

w = 6, h = 5, x = 24, y = 0, v = 30

w = 6, h = 5, x = 24, y = 5, v = 30

w = 7, h = 4, x = 23, y = 10, v = 28

w = 7, h = 4, x = 23, y = 14, v = 28

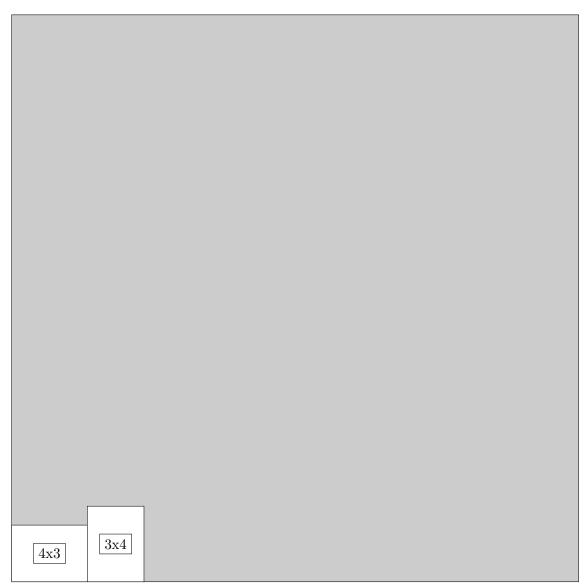
w = 7, h = 4, x = 23, y = 18, v = 28

w = 4, h = 7, x = 19, y = 15, v = 28

w = 3, h = 9, x = 4, y = 15, v = 27

w = 5, h = 5, x = 14, y = 10, v = 25
```

```
w = 8, h = 3, x = 19, y = 22, v = 24
w = 4, h = 6, x = 0, y = 24, v = 24
w = 4, h = 6, x = 9, y = 18, v = 24
w = 4, h = 6, x = 8, y = 24, v = 24
w = 3, h = 8, x = 27, y = 22, v = 24
\le =10 , h =2 , x =9 , y =15 , v =20
w = 5, h = 4, x = 12, y = 24, v = 20
\mathbf{w} =4 , h =5 , x =19 , y =10 , v =20
w = 2, h = 9, x = 7, y = 15, v = 18
w = 2, h = 9, x = 17, y = 18, v = 18
w = 3, h = 5, x = 24, y = 25, v = 15
w = 2, h = 6, x = 4, y = 24, v = 12
w = 2, h = 6, x = 6, y = 24, v = 12
w = 10, h = 1, x = 9, y = 17, v = 10
w = 3, h = 2, x = 12, y = 28, v = 6
w = 1, h = 5, x = 23, y = 25, v = 5
w = 1, h = 5, x = 22, y = 25, v = 5
w = 1, h = 5, x = 21, y = 25, v = 5
w = 4, h = 1, x = 16, y = 28, v = 4
w = 4, h = 6, x = 13, y = 18, v = 24
\mathbf{w} =1 , h =4 , x =20 , y =25 , v =4
w = 3, h = 1, x = 17, y = 27, v = 3
w=1 , h=2 , x=\!15 , y=\!28 , v=\!2
```



 $\begin{array}{l} w = \! 4 \ , \ h = \! 3 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 12 \\ w = \! 3 \ , \ h = \! 4 \ , \ x = \! 4 \ , \ y = \! 0 \ , \ v = \! 12 \end{array}$