$ClassName: {\bf Class_04.2bp\text{-}31}$

BinSize: $\underline{100 \times 100}$ ReduceSize: $\underline{100 \times 100}$

TypeNum: $\underline{76}$ Num: $\underline{80}$ OutS: $\underline{30000}$ InS: $\underline{25445}$ Rate: $\underline{0.848}$

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

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

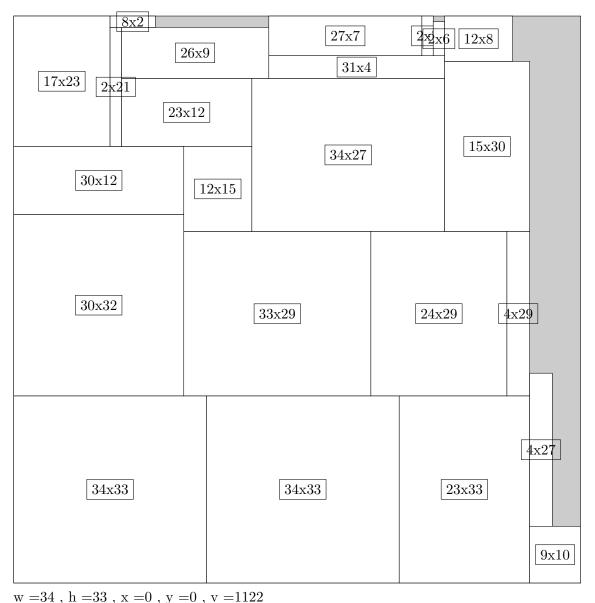
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: 1
PrimalNode: 0
ColumnCount: 3
TotalCutCount: 0
RootCutCount: 0
LPSolverCnt: 1
PricingSolverCnt: 0
Branch And Bound Nu

Branch And
Bound Num: $\underline{\mathbf{1}}$

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

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 0.125 s



```
w = 34, h = 33, x = 34, y = 0, v = 1122

w = 30, h = 32, x = 0, y = 33, v = 960

w = 33, h = 29, x = 30, y = 33, v = 957

w = 34, h = 27, x = 42, y = 62, v = 918

w = 23, h = 33, x = 68, y = 0, v = 759

w = 24, h = 29, x = 63, y = 33, v = 696

w = 15, h = 30, x = 76, y = 62, v = 450

w = 17, h = 23, x = 0, y = 77, v = 391

w = 30, h = 12, x = 0, y = 65, v = 360

w = 23, h = 12, x = 19, y = 77, v = 276

w = 4, h = 29, x = 87, y = 33, v = 116

w = 26, h = 9, x = 19, y = 89, v = 234

w = 27, h = 7, x = 45, y = 93, v = 189

w = 12, h = 15, x = 30, y = 62, v = 180

w = 31, h = 4, x = 45, y = 89, v = 124
```

 \mathbf{w} =4 , h =27 , x =91 , y =10 , v =108 w = 12, h = 8, x = 76, y = 92, v = 96

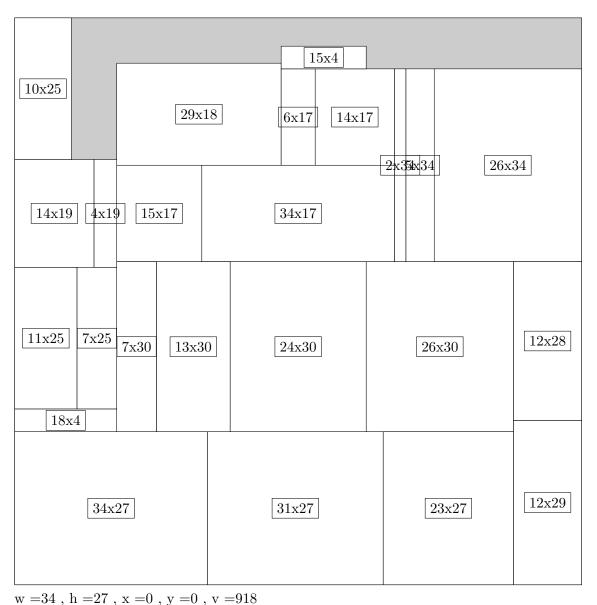
 \mathbf{w} =9 , h =10 , x =91 , y =0 , v =90

 \mathbf{w} =2 , h =21 , x =17 , y =77 , v =42

 $\le =8$, h =2 , x =17 , y =98 , v =16

 \mathbf{w} =2 , h =7 , x =72 , y =93 , v =14

 \mathbf{w} =2 , h =6 , x =74 , y =93 , v =12



```
w =26, h =34, x =74, y =57, v =884
w =31, h =27, x =34, y =0, v =837
```

$$w = 26$$
, $h = 30$, $x = 62$, $y = 27$, $v = 780$

$$w=24$$
 , $h=30$, $x=38$, $y=27$, $v=720$

$$w = 23$$
, $h = 27$, $x = 65$, $y = 0$, $v = 621$

$$w = 34$$
, $h = 17$, $x = 33$, $y = 57$, $v = 578$

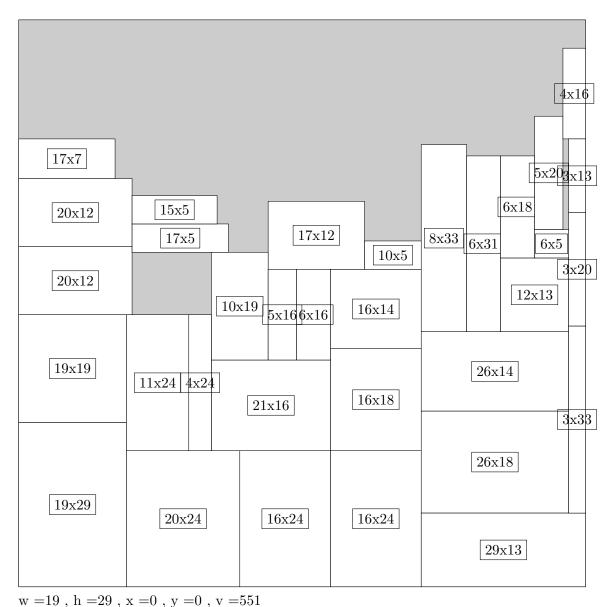
$$w = 13$$
, $h = 30$, $x = 25$, $y = 27$, $v = 390$

$$w = 12$$
, $h = 26$, $x = 66$, $y = 23$, $v = 26$
 $w = 11$, $h = 25$, $x = 0$, $y = 31$, $v = 275$

$$\le =15$$
 , $h = 17$, $x = 18$, $y = 57$, $v = 255$

$$w = 7$$
, $h = 30$, $x = 18$, $y = 27$, $v = 210$

 $\begin{array}{l} w=7\ ,\ h=25\ ,\ x=11\ ,\ y=31\ ,\ v=175\\ w=5\ ,\ h=34\ ,\ x=69\ ,\ y=57\ ,\ v=170\\ w=10\ ,\ h=25\ ,\ x=0\ ,\ y=75\ ,\ v=250\\ w=6\ ,\ h=17\ ,\ x=47\ ,\ y=74\ ,\ v=102\\ w=4\ ,\ h=19\ ,\ x=14\ ,\ y=56\ ,\ v=76\\ w=18\ ,\ h=4\ ,\ x=0\ ,\ y=27\ ,\ v=72\\ w=2\ ,\ h=34\ ,\ x=67\ ,\ y=57\ ,\ v=68\\ w=15\ ,\ h=4\ ,\ x=47\ ,\ y=91\ ,\ v=60\\ \end{array}$



```
w =20 , h =24 , x =19 , y =0 , v =480

w =26 , h =18 , x =71 , y =13 , v =468

w =16 , h =24 , x =39 , y =0 , v =384

w =16 , h =24 , x =55 , y =0 , v =384

w =29 , h =13 , x =71 , y =0 , v =377

w =26 , h =14 , x =71 , y =31 , v =364

w =19 , h =19 , x =0 , y =29 , v =361

w =21 , h =16 , x =34 , y =24 , v =336

w =16 , h =18 , x =55 , y =24 , v =288

w =11 , h =24 , x =19 , y =24 , v =264

w =8 , h =33 , x =71 , y =45 , v =264

w =20 , h =12 , x =0 , y =48 , v =240

w =20 , h =12 , x =0 , y =60 , v =240

w =16 , h =14 , x =55 , y =42 , v =224

w =17 , h =12 , x =44 , y =56 , v =204
```

```
w = 10, h = 19, x = 34, y = 40, v = 190
w = 6, h = 31, x = 79, y = 45, v = 186
w = 12, h = 13, x = 85, y = 45, v = 156
\le =17 , h =7 , x =0 , y =72 , v =119
w = 6, h = 18, x = 85, y = 58, v = 108
w = 5, h = 20, x = 91, y = 63, v = 100
w = 3, h = 33, x = 97, y = 13, v = 99
\mathbf{w} =6 , h =16 , x =49 , y =40 , v =96
w = 4, h = 24, x = 30, y = 24, v = 96
w = 17, h = 5, x = 20, y = 59, v = 85
w = 5, h = 16, x = 44, y = 40, v = 80
w = 15, h = 5, x = 20, y = 64, v = 75
w = 4, h = 16, x = 96, y = 79, v = 64
w = 3, h = 20, x = 97, y = 46, v = 60
w = 10, h = 5, x = 61, y = 56, v = 50
w = 3, h = 13, x = 97, y = 66, v = 39
w = 6, h = 5, x = 91, y = 58, v = 30
```