$ClassName: \ Class\_04.2bp-30$ 

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

TypeNum:  $\underline{79}$ Num:  $\underline{80}$ OutS:  $\underline{30000}$ InS:  $\underline{24257}$ Rate:  $\underline{0.809}$ 

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

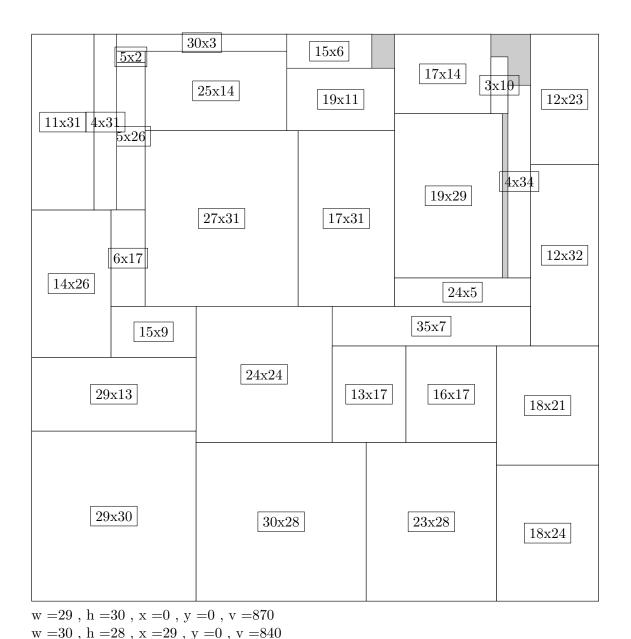
LBWithCut:  $\underline{\mathbf{3}}$  NodeCut:  $\underline{\mathbf{0}}$ 

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.000 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.063 \ s} \\ {\rm TotalTime:} \ \underline{0.125 \ s} \\ \end{array}$ 



```
\begin{array}{l} w=27 \;,\; h=31 \;,\; x=20 \;,\; y=52 \;,\; v=837 \\ w=23 \;,\; h=28 \;,\; x=59 \;,\; y=0 \;,\; v=644 \\ w=35 \;,\; h=7 \;,\; x=53 \;,\; y=45 \;,\; v=245 \\ w=24 \;,\; h=24 \;,\; x=29 \;,\; y=28 \;,\; v=576 \\ w=19 \;,\; h=29 \;,\; x=64 \;,\; y=57 \;,\; v=551 \\ w=17 \;,\; h=31 \;,\; x=47 \;,\; y=52 \;,\; v=527 \\ w=18 \;,\; h=24 \;,\; x=82 \;,\; y=0 \;,\; v=432 \\ w=12 \;,\; h=32 \;,\; x=88 \;,\; y=45 \;,\; v=384 \\ w=18 \;,\; h=21 \;,\; x=82 \;,\; y=24 \;,\; v=378 \\ w=29 \;,\; h=13 \;,\; x=0 \;,\; y=30 \;,\; v=377 \end{array}
```

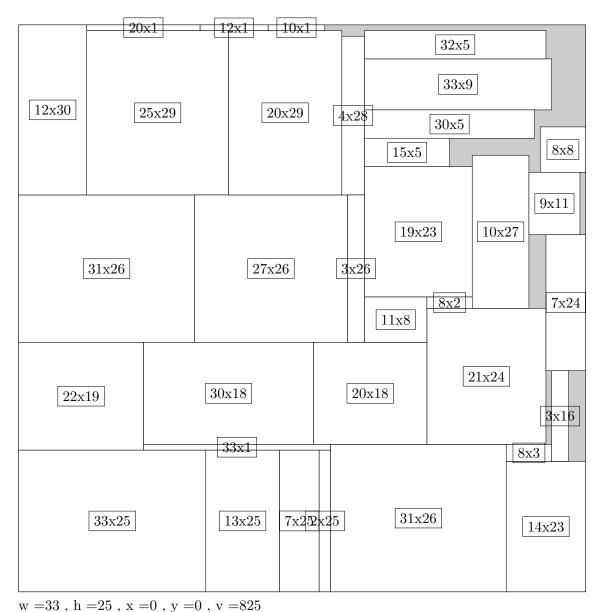
$$w = 14$$
,  $h = 26$ ,  $x = 0$ ,  $y = 43$ ,  $v = 364$ 

$$w$$
 =25 ,  $h$  =14 ,  $x$  =20 ,  $y$  =83 ,  $v$  =350

$$\mathbf{w}$$
 =11 , h =31 , x =0 , y =69 , v =341

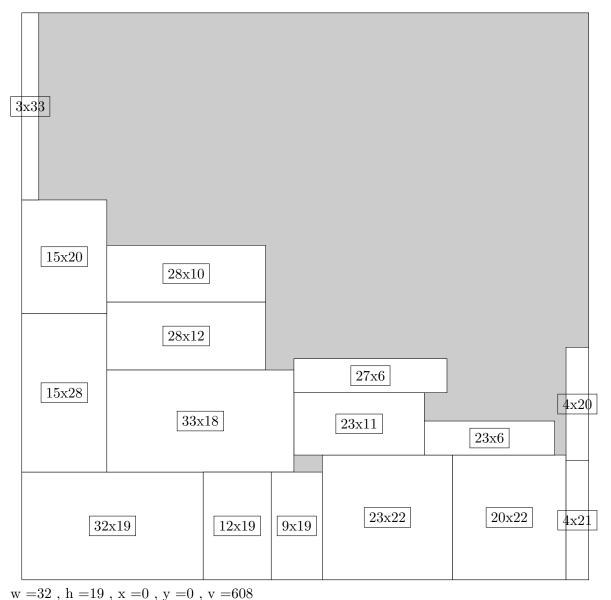
$$w = 12$$
,  $h = 23$ ,  $x = 88$ ,  $y = 77$ ,  $v = 276$ 

```
\begin{array}{l} w = 16 \; , \, h = 17 \; , \, x = 66 \; , \, y = 28 \; , \, v = 272 \\ w = 17 \; , \, h = 14 \; , \, x = 64 \; , \, y = 86 \; , \, v = 238 \\ w = 13 \; , \, h = 17 \; , \, x = 53 \; , \, y = 28 \; , \, v = 221 \\ w = 19 \; , \, h = 11 \; , \, x = 45 \; , \, y = 83 \; , \, v = 209 \\ w = 4 \; , \, h = 34 \; , \, x = 84 \; , \, y = 57 \; , \, v = 136 \\ w = 15 \; , \, h = 9 \; , \, x = 14 \; , \, y = 43 \; , \, v = 135 \\ w = 5 \; , \, h = 26 \; , \, x = 15 \; , \, y = 69 \; , \, v = 130 \\ w = 4 \; , \, h = 31 \; , \, x = 11 \; , \, y = 69 \; , \, v = 124 \\ w = 24 \; , \, h = 5 \; , \, x = 64 \; , \, y = 52 \; , \, v = 120 \\ w = 6 \; , \, h = 17 \; , \, x = 14 \; , \, y = 52 \; , \, v = 102 \\ w = 30 \; , \, h = 3 \; , \, x = 15 \; , \, y = 97 \; , \, v = 90 \\ w = 15 \; , \, h = 6 \; , \, x = 45 \; , \, y = 94 \; , \, v = 90 \\ w = 3 \; , \, h = 10 \; , \, x = 81 \; , \, y = 86 \; , \, v = 30 \\ w = 5 \; , \, h = 2 \; , \, x = 15 \; , \, y = 95 \; , \, v = 10 \\ \end{array}
```



$$\begin{array}{l} w = 31 \; , \; h = 26 \; , \; x = 55 \; , \; y = 0 \; , \; v = 806 \\ w = 31 \; , \; h = 26 \; , \; x = 0 \; , \; y = 44 \; , \; v = 806 \\ w = 25 \; , \; h = 29 \; , \; x = 12 \; , \; y = 70 \; , \; v = 725 \\ w = 27 \; , \; h = 26 \; , \; x = 31 \; , \; y = 44 \; , \; v = 702 \\ w = 20 \; , \; h = 29 \; , \; x = 37 \; , \; y = 70 \; , \; v = 580 \\ w = 30 \; , \; h = 18 \; , \; x = 22 \; , \; y = 26 \; , \; v = 540 \\ w = 21 \; , \; h = 24 \; , \; x = 72 \; , \; y = 26 \; , \; v = 504 \\ w = 19 \; , \; h = 23 \; , \; x = 61 \; , \; y = 52 \; , \; v = 437 \\ w = 22 \; , \; h = 19 \; , \; x = 0 \; , \; y = 25 \; , \; v = 418 \\ w = 20 \; , \; h = 18 \; , \; x = 52 \; , \; y = 26 \; , \; v = 360 \\ w = 12 \; , \; h = 30 \; , \; x = 0 \; , \; y = 70 \; , \; v = 360 \\ w = 13 \; , \; h = 25 \; , \; x = 33 \; , \; y = 0 \; , \; v = 325 \\ w = 14 \; , \; h = 23 \; , \; x = 86 \; , \; y = 0 \; , \; v = 322 \\ w = 33 \; , \; h = 9 \; , \; x = 61 \; , \; y = 85 \; , \; v = 297 \\ w = 10 \; , \; h = 27 \; , \; x = 80 \; , \; y = 50 \; , \; v = 270 \\ \end{array}$$

```
w = 7, h = 25, x = 46, y = 0, v = 175
w = 7, h = 24, x = 93, y = 39, v = 168
w = 32, h = 5, x = 61, y = 94, v = 160
w = 30, h = 5, x = 61, y = 80, v = 150
w = 4, h = 28, x = 57, y = 70, v = 112
w = 9, h = 11, x = 90, y = 63, v = 99
w = 11, h = 8, x = 61, y = 44, v = 88
w=\!3 , h=\!26 , x=\!58 , y=\!44 , v=\!78
w = 15, h = 5, x = 61, y = 75, v = 75
w = 8, h = 8, x = 92, y = 74, v = 64
w = 2, h = 25, x = 53, y = 0, v = 50
w = 3, h = 16, x = 94, y = 23, v = 48
w = 33, h = 1, x = 22, y = 25, v = 33
w = 8, h = 3, x = 86, y = 23, v = 24
w = 20, h = 1, x = 12, y = 99, v = 20
w = 8, h = 2, x = 72, y = 50, v = 16
w = 12, h = 1, x = 32, y = 99, v = 12
w = 10, h = 1, x = 44, y = 99, v = 10
```



```
w =23, h =22, x =53, y =0, v =506
w =20, h =22, x =76, y =0, v =440
w =15, h =28, x =0, y =19, v =420
w =28, h =12, x =15, y =37, v =336
w =15, h =20, x =0, y =47, v =300
w =28, h =10, x =15, y =49, v =280
w =23, h =11, x =48, y =22, v =253
w =33, h =18, x =15, y =19, v =594
w =12, h =19, x =32, y =0, v =228
w =9, h =19, x =44, y =0, v =171
w =27, h =6, x =48, y =33, v =162
w =23, h =6, x =71, y =22, v =138
w =3, h =33, x =0, y =67, v =99
w =4, h =21, x =96, y =0, v =84
w =4, h =20, x =96, y =21, v =80
```