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

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:  $\underline{\mathbf{0}}$ 

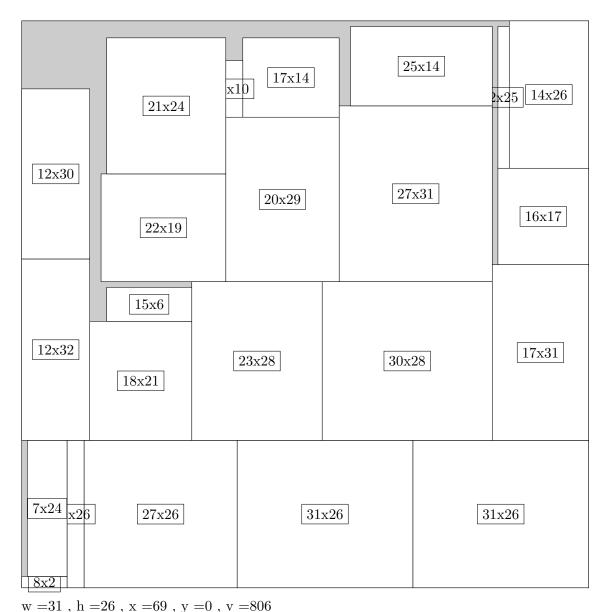
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

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

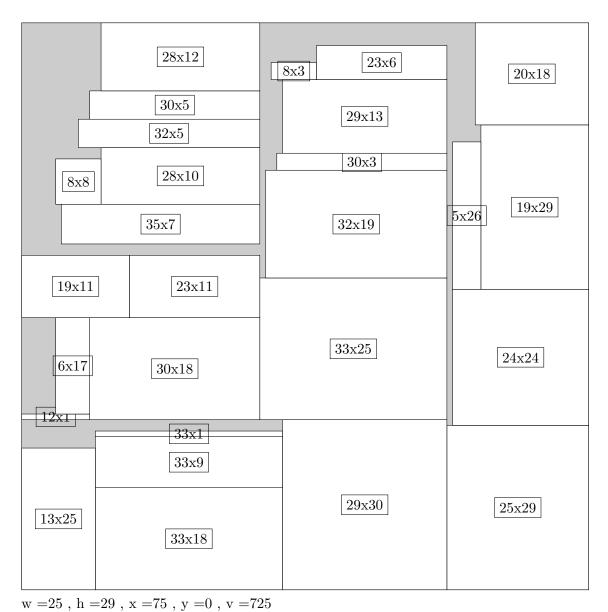
TimeOnInitSolution:  $\underline{600.000 \text{ s}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.062 sTotalTime: 600.375 s



```
\begin{array}{l} w = & 31 \;, \; h = & 26 \;, \; x = & 38 \;, \; y = & 0 \;, \; v = & 806 \\ w = & 27 \;, \; h = & 26 \;, \; x = & 11 \;, \; y = & 0 \;, \; v = & 702 \\ w = & 3 \;, \; h = & 26 \;, \; x = & 8 \;, \; y = & 0 \;, \; v = & 78 \\ w = & 8 \;, \; h = & 2 \;, \; x = & 0 \;, \; y = & 0 \;, \; v = & 16 \\ w = & 7 \;, \; h = & 24 \;, \; x = & 1 \;, \; y = & 2 \;, \; v = & 168 \\ w = & 17 \;, \; h = & 31 \;, \; x = & 83 \;, \; y = & 26 \;, \; v = & 527 \\ w = & 16 \;, \; h = & 17 \;, \; x = & 84 \;, \; y = & 57 \;, \; v = & 272 \\ w = & 14 \;, \; h = & 26 \;, \; x = & 86 \;, \; y = & 74 \;, \; v = & 364 \\ w = & 2 \;, \; h = & 25 \;, \; x = & 84 \;, \; y = & 74 \;, \; v = & 50 \\ w = & 30 \;, \; h = & 28 \;, \; x = & 53 \;, \; y = & 26 \;, \; v = & 840 \\ w = & 18 \;, \; h = & 21 \;, \; x = & 12 \;, \; y = & 26 \;, \; v = & 644 \\ w = & 18 \;, \; h = & 21 \;, \; x = & 12 \;, \; y = & 26 \;, \; v = & 378 \\ w = & 15 \;, \; h = & 6 \;, \; x = & 15 \;, \; y = & 47 \;, \; v = & 90 \\ w = & 27 \;, \; h = & 31 \;, \; x = & 56 \;, \; y = & 54 \;, \; v = & 837 \\ w = & 25 \;, \; h = & 14 \;, \; x = & 58 \;, \; y = & 85 \;, \; v = & 350 \\ \end{array}
```

 $\begin{array}{l} w=20 \ , \ h=29 \ , \ x=36 \ , \ y=54 \ , \ v=580 \\ w=17 \ , \ h=14 \ , \ x=39 \ , \ y=83 \ , \ v=238 \\ w=3 \ , \ h=10 \ , \ x=36 \ , \ y=83 \ , \ v=30 \\ w=22 \ , \ h=19 \ , \ x=14 \ , \ y=54 \ , \ v=418 \\ w=21 \ , \ h=24 \ , \ x=15 \ , \ y=73 \ , \ v=504 \\ w=12 \ , \ h=32 \ , \ x=0 \ , \ y=26 \ , \ v=384 \\ w=12 \ , \ h=30 \ , \ x=0 \ , \ y=58 \ , \ v=360 \end{array}$ 



```
\begin{array}{l} w=24 \;,\; h=24 \;,\; x=76 \;,\; y=29 \;,\; v=576 \\ w=19 \;,\; h=29 \;,\; x=81 \;,\; y=53 \;,\; v=551 \\ w=5 \;,\; h=26 \;,\; x=76 \;,\; y=53 \;,\; v=130 \\ w=20 \;,\; h=18 \;,\; x=80 \;,\; y=82 \;,\; v=360 \\ w=29 \;,\; h=30 \;,\; x=46 \;,\; y=0 \;,\; v=870 \\ w=33 \;,\; h=18 \;,\; x=13 \;,\; y=0 \;,\; v=594 \\ w=33 \;,\; h=9 \;,\; x=13 \;,\; y=18 \;,\; v=297 \\ w=33 \;,\; h=1 \;,\; x=13 \;,\; y=27 \;,\; v=33 \\ w=13 \;,\; h=25 \;,\; x=0 \;,\; y=0 \;,\; v=325 \\ w=33 \;,\; h=25 \;,\; x=42 \;,\; y=30 \;,\; v=825 \\ w=33 \;,\; h=19 \;,\; x=43 \;,\; y=55 \;,\; v=608 \\ w=30 \;,\; h=3 \;,\; x=45 \;,\; y=74 \;,\; v=90 \\ w=29 \;,\; h=13 \;,\; x=46 \;,\; y=77 \;,\; v=377 \\ w=23 \;,\; h=6 \;,\; x=52 \;,\; y=90 \;,\; v=138 \\ w=8 \;,\; h=3 \;,\; x=44 \;,\; y=90 \;,\; v=24 \\ \end{array}
```

 $w=\!30$  ,  $h=\!18$  ,  $x=\!12$  ,  $y=\!30$  ,  $v=\!540$ 

 $\mathbf{w}$  =12 , h =1 , x =0 , y =30 , v =12

w = 6, h = 17, x = 6, y = 31, v = 102

 $\le =23$  ,  $h=\!11$  ,  $x=\!19$  ,  $y=\!48$  ,  $v=\!253$ 

 $\mathbf{w}$  =19 , h =11 , x =0 , y =48 , v =209

 $\le =35$  , h =7 , x =7 , y =61 , v =245

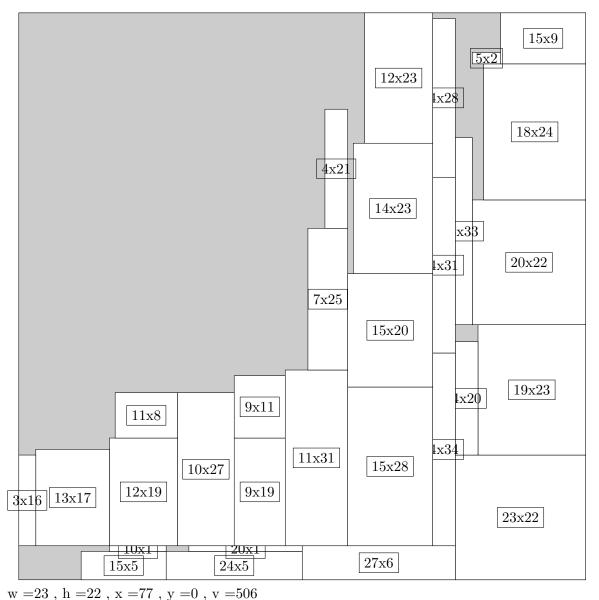
w = 28, h = 10, x = 14, y = 68, v = 280

w =8 , h =8 , x =6 , y =68 , v =64

 $\le =32$  , h =5 , x =10 , y =78 , v =160

 $w=\!30$  ,  $h=\!5$  ,  $x=\!12$  ,  $y=\!83$  ,  $v=\!150$ 

w = 28, h = 12, x = 14, y = 88, v = 336



```
w =19, h =23, x =81, y =22, v =437

w =4, h =20, x =77, y =22, v =80

w =20, h =22, x =80, y =45, v =440

w =18, h =24, x =82, y =67, v =432

w =15, h =9, x =85, y =91, v =135

w =5, h =2, x =80, y =91, v =10

w =3, h =33, x =77, y =45, v =99

w =27, h =6, x =50, y =0, v =162

w =24, h =5, x =26, y =0, v =120

w =20, h =1, x =30, y =5, v =20

w =15, h =5, x =11, y =0, v =75

w =10, h =1, x =16, y =5, v =10

w =4, h =34, x =73, y =6, v =136

w =4, h =31, x =73, y =40, v =124

w =4, h =28, x =73, y =71, v =112
```

 $\begin{array}{l} w = 15 \; , \; h = 28 \; , \; x = 58 \; , \; y = 6 \; , \; v = 420 \\ w = 15 \; , \; h = 20 \; , \; x = 58 \; , \; y = 34 \; , \; v = 300 \\ w = 14 \; , \; h = 23 \; , \; x = 59 \; , \; y = 54 \; , \; v = 322 \\ w = 12 \; , \; h = 23 \; , \; x = 61 \; , \; y = 77 \; , \; v = 276 \\ w = 11 \; , \; h = 31 \; , \; x = 47 \; , \; y = 6 \; , \; v = 341 \\ w = 9 \; , \; h = 19 \; , \; x = 38 \; , \; y = 6 \; , \; v = 171 \\ w = 9 \; , \; h = 11 \; , \; x = 38 \; , \; y = 25 \; , \; v = 99 \\ w = 10 \; , \; h = 27 \; , \; x = 28 \; , \; y = 6 \; , \; v = 270 \\ w = 12 \; , \; h = 19 \; , \; x = 16 \; , \; y = 6 \; , \; v = 228 \\ w = 11 \; , \; h = 8 \; , \; x = 17 \; , \; y = 25 \; , \; v = 88 \\ w = 13 \; , \; h = 17 \; , \; x = 3 \; , \; y = 6 \; , \; v = 221 \\ w = 3 \; , \; h = 16 \; , \; x = 0 \; , \; y = 6 \; , \; v = 48 \\ w = 7 \; , \; h = 25 \; , \; x = 51 \; , \; y = 37 \; , \; v = 175 \\ w = 4 \; , \; h = 21 \; , \; x = 54 \; , \; y = 62 \; , \; v = 84 \end{array}$