$ClassName: \ Class_04.2bp-48$

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

TypeNum: $\underline{98}$ Num: $\underline{100}$ OutS: $\underline{40000}$ InS: $\underline{31501}$ Rate: $\underline{0.788}$

UB: <u>4</u> LB0: <u>4</u> LB: 4

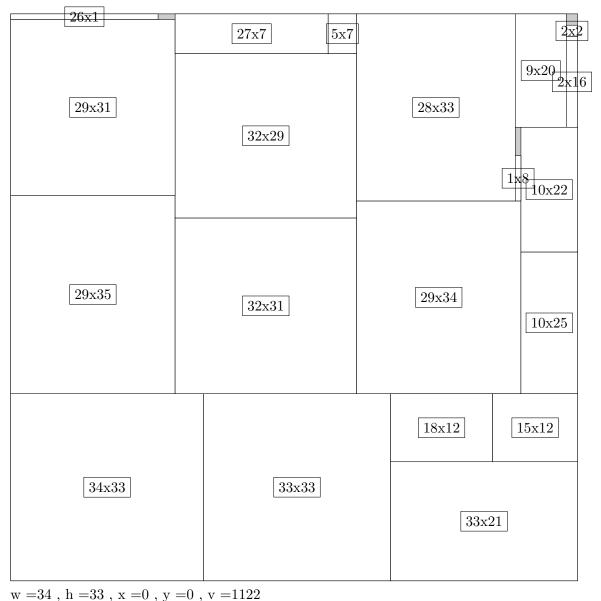
LBWithCut: $\underline{\mathbf{4}}$ NodeCut: $\underline{\mathbf{0}}$

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

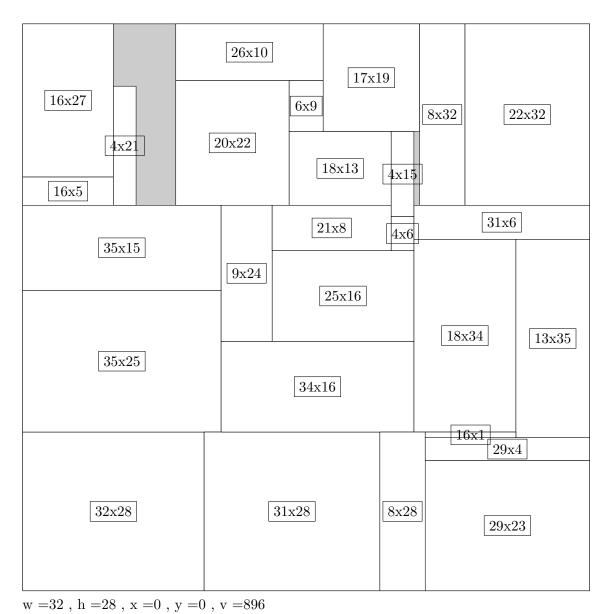
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{4}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

TimeOnInitSolution: 0.010 sTimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.151 s

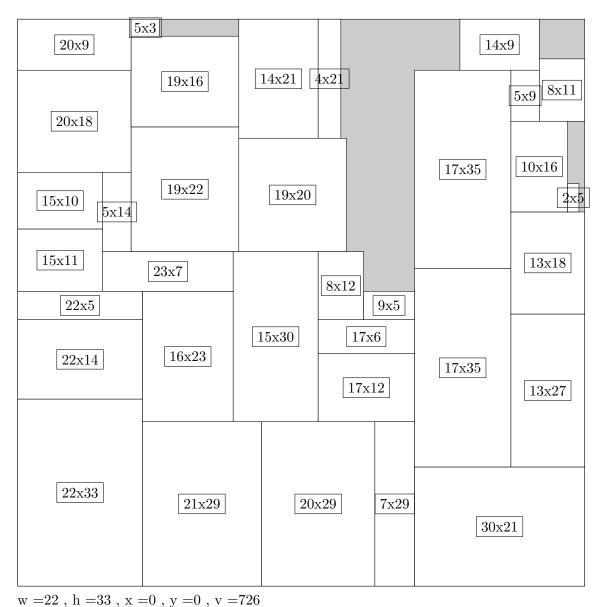


 $\begin{array}{l} w=2\ ,\, h=16\ ,\, x=98\ ,\, y=80\ ,\, v=32\\ w=26\ ,\, h=1\ ,\, x=0\ ,\, y=99\ ,\, v=26\\ w=1\ ,\, h=8\ ,\, x=89\ ,\, y=67\ ,\, v=8\\ w=2\ ,\, h=2\ ,\, x=98\ ,\, y=96\ ,\, v=4 \end{array}$



```
\begin{array}{l} w = & 35 \;, \; h = & 25 \;, \; x = & 0 \;, \; y = & 28 \;, \; v = & 875 \\ w = & 31 \;, \; h = & 28 \;, \; x = & 32 \;, \; y = & 0 \;, \; v = & 868 \\ w = & 22 \;, \; h = & 32 \;, \; x = & 78 \;, \; y = & 68 \;, \; v = & 704 \\ w = & 29 \;, \; h = & 23 \;, \; x = & 71 \;, \; y = & 0 \;, \; v = & 667 \\ w = & 16 \;, \; h = & 5 \;, \; x = & 0 \;, \; y = & 68 \;, \; v = & 80 \\ w = & 18 \;, \; h = & 34 \;, \; x = & 69 \;, \; y = & 28 \;, \; v = & 612 \\ w = & 34 \;, \; h = & 16 \;, \; x = & 35 \;, \; y = & 28 \;, \; v = & 612 \\ w = & 35 \;, \; h = & 16 \;, \; x = & 35 \;, \; y = & 28 \;, \; v = & 525 \\ w = & 13 \;, \; h = & 35 \;, \; x = & 87 \;, \; y = & 27 \;, \; v = & 455 \\ w = & 20 \;, \; h = & 22 \;, \; x = & 27 \;, \; y = & 68 \;, \; v = & 440 \\ w = & 16 \;, \; h = & 16 \;, \; x = & 24 \;, \; y = & 44 \;, \; v = & 400 \\ w = & 17 \;, \; h = & 19 \;, \; x = & 53 \;, \; y = & 81 \;, \; v = & 323 \\ w = & 26 \;, \; h = & 10 \;, \; x = & 27 \;, \; y = & 90 \;, \; v = & 260 \\ w = & 8 \;, \; h = & 32 \;, \; x = & 70 \;, \; y = & 68 \;, \; v = & 256 \\ \end{array}
```

 $\begin{array}{l} w=18\;,\; h=13\;,\; x=47\;,\; y=68\;,\; v=234\\ w=8\;,\; h=28\;,\; x=63\;,\; y=0\;,\; v=224\\ w=9\;,\; h=24\;,\; x=35\;,\; y=44\;,\; v=216\\ w=31\;,\; h=6\;,\; x=69\;,\; y=62\;,\; v=186\\ w=21\;,\; h=8\;,\; x=44\;,\; y=60\;,\; v=168\\ w=29\;,\; h=4\;,\; x=71\;,\; y=23\;,\; v=116\\ w=4\;,\; h=21\;,\; x=16\;,\; y=68\;,\; v=84\\ w=4\;,\; h=15\;,\; x=65\;,\; y=66\;,\; v=60\\ w=6\;,\; h=9\;,\; x=47\;,\; y=81\;,\; v=54\\ w=4\;,\; h=6\;,\; x=65\;,\; y=60\;,\; v=24\\ w=16\;,\; h=1\;,\; x=71\;,\; y=27\;,\; v=16\\ \end{array}$



```
w =21 , h =29 , x =22 , y =0 , v =609

w =17 , h =35 , x =70 , y =21 , v =595

w =17 , h =35 , x =70 , y =56 , v =595

w =20 , h =29 , x =43 , y =0 , v =580

w =15 , h =30 , x =38 , y =29 , v =450

w =19 , h =22 , x =20 , y =59 , v =418

w =19 , h =20 , x =39 , y =59 , v =380

w =16 , h =23 , x =22 , y =29 , v =368

w =20 , h =18 , x =0 , y =73 , v =360

w =13 , h =27 , x =87 , y =21 , v =351

w =22 , h =14 , x =0 , y =33 , v =308

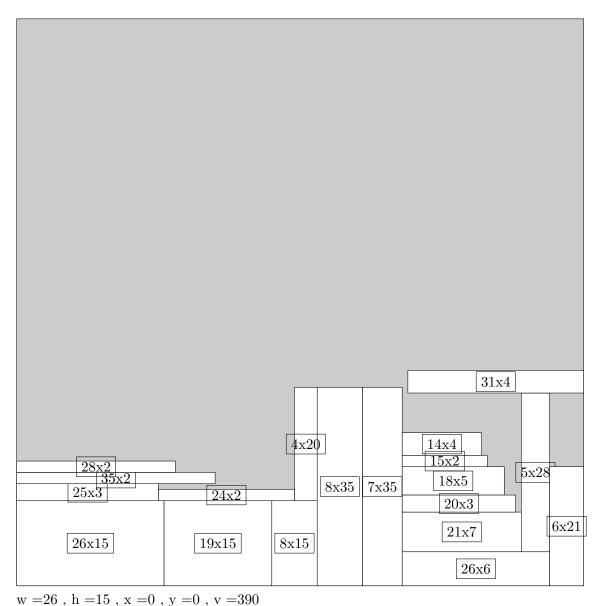
w =19 , h =16 , x =20 , y =81 , v =304

w =14 , h =21 , x =39 , y =79 , v =294

w =13 , h =18 , x =87 , y =48 , v =234

w =17 , h =12 , x =53 , y =29 , v =204
```

```
w = 7, h = 29, x = 63, y = 0, v = 203
w = 20, h = 9, x = 0, y = 91, v = 180
\le =15 , h =11 , x =0 , y =52 , v =165
w = 23, h = 7, x = 15, y = 52, v = 161
w = 10, h = 16, x = 87, y = 66, v = 160
w = 15, h = 10, x = 0, y = 63, v = 150
w = 14, h = 9, x = 78, y = 91, v = 126
\le =22 , h=5 , x=0 , y=\!\!47 , v=\!\!110
w = 17, h = 6, x = 53, y = 41, v = 102
w =8 , h =12 , x =53 , y =47 , v =96
w = 8, h = 11, x = 92, y = 82, v = 88
w=\!4 , h=\!21 , x=\!53 , y=\!79 , v=\!84
w = 30, h = 21, x = 70, y = 0, v = 630
w = 5, h = 14, x = 15, y = 59, v = 70
w = 9, h = 5, x = 61, y = 47, v = 45
w = 5, h = 9, x = 87, y = 82, v = 45
w = 5, h = 3, x = 20, y = 97, v = 15
w = 2, h = 5, x = 97, y = 66, v = 10
```



```
w =19, h =15, x =26, y =0, v =285

w =8, h =35, x =53, y =0, v =280

w =7, h =35, x =61, y =0, v =245

w =26, h =6, x =68, y =0, v =156

w =21, h =7, x =68, y =6, v =147

w =5, h =28, x =89, y =6, v =140

w =6, h =21, x =94, y =0, v =126

w =31, h =4, x =69, y =34, v =124

w =8, h =15, x =45, y =0, v =120

w =18, h =5, x =68, y =16, v =90

w =4, h =20, x =49, y =15, v =80

w =25, h =3, x =0, y =15, v =75

w =35, h =2, x =0, y =18, v =70

w =20, h =3, x =68, y =13, v =60

w =28, h =2, x =0, y =20, v =56
```

 $\le =14$, h =4 , x =68 , y =23 , v =56

 $\le =24$, h =2 , x =25 , y =15 , v =48

 $\le =15$, h =2 , x =68 , y =21 , v =30