$ClassName: \ Class\_04.2bp-40$ 

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

TypeNum:  $\underline{98}$ Num:  $\underline{100}$ OutS:  $\underline{30000}$ InS:  $\underline{28723}$ Rate:  $\underline{0.957}$ 

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

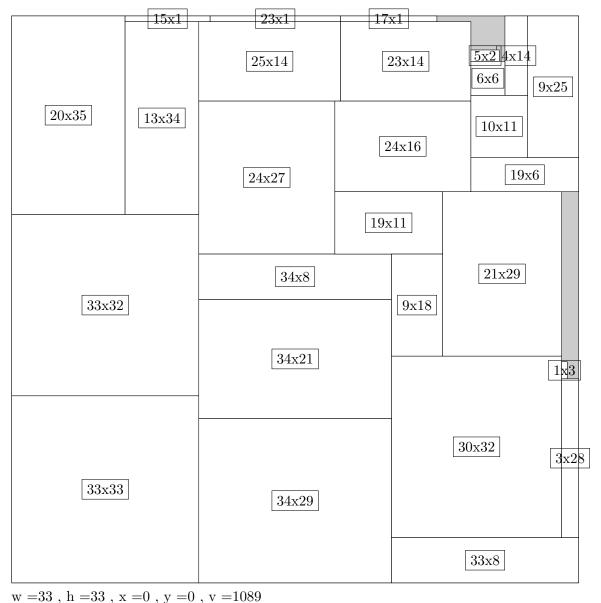
LBWithCut:  $\underline{\mathbf{3}}$  NodeCut:  $\underline{\mathbf{0}}$ 

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.000 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.141 \ s} \\ \end{array}$ 



```
w = 33 , h = 33 , x = 0 , y = 0 , v = 1089

w = 33 , h = 32 , x = 0 , y = 33 , v = 1056

w = 34 , h = 29 , x = 33 , y = 0 , v = 986

w = 30 , h = 32 , x = 67 , y = 8 , v = 960

w = 34 , h = 21 , x = 33 , y = 29 , v = 714

w = 20 , h = 35 , x = 0 , y = 65 , v = 700

w = 24 , h = 27 , x = 33 , y = 58 , v = 648

w = 21 , h = 29 , x = 76 , y = 40 , v = 609

w = 13 , h = 34 , x = 20 , y = 65 , v = 442

w = 24 , h = 16 , x = 57 , y = 69 , v = 384

w = 25 , h = 14 , x = 33 , y = 85 , v = 350

w = 23 , h = 14 , x = 58 , y = 85 , v = 322

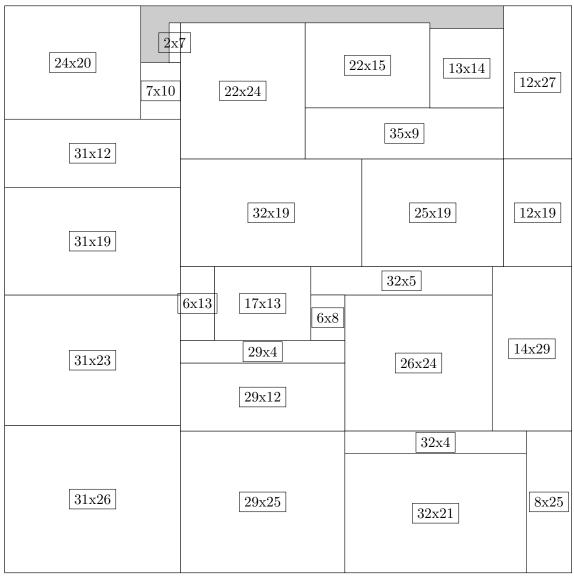
w = 15 , h = 1 , x = 20 , y = 99 , v = 15

w = 34 , h = 8 , x = 33 , y = 50 , v = 272

w = 33 , h = 8 , x = 67 , y = 0 , v = 264

w = 9 , h = 25 , x = 91 , y = 75 , v = 225
```

 $\begin{array}{l} w=19\;,\; h=11\;,\; x=57\;,\; y=58\;,\; v=209\\ w=9\;,\; h=18\;,\; x=67\;,\; y=40\;,\; v=162\\ w=19\;,\; h=6\;,\; x=81\;,\; y=69\;,\; v=114\\ w=10\;,\; h=11\;,\; x=81\;,\; y=75\;,\; v=110\\ w=3\;,\; h=28\;,\; x=97\;,\; y=8\;,\; v=84\\ w=4\;,\; h=14\;,\; x=87\;,\; y=86\;,\; v=56\\ w=6\;,\; h=6\;,\; x=81\;,\; y=86\;,\; v=36\\ w=23\;,\; h=1\;,\; x=35\;,\; y=99\;,\; v=23\\ w=17\;,\; h=1\;,\; x=58\;,\; y=99\;,\; v=17\\ w=5\;,\; h=2\;,\; x=81\;,\; y=92\;,\; v=10\\ w=1\;,\; h=3\;,\; x=97\;,\; y=36\;,\; v=3\\ \end{array}$ 



$$w = 31$$
,  $h = 26$ ,  $x = 0$ ,  $y = 0$ ,  $v = 806$ 

$$\le =29$$
 , h =25 , x =31 , y =0 , v =725

$$w = 31$$
,  $h = 23$ ,  $x = 0$ ,  $y = 26$ ,  $v = 713$ 

$$w = 32$$
,  $h = 21$ ,  $x = 60$ ,  $y = 0$ ,  $v = 672$ 

$$w = 31$$
,  $h = 19$ ,  $x = 0$ ,  $y = 49$ ,  $v = 589$ 

$$w = 22$$
,  $h = 24$ ,  $x = 31$ ,  $y = 73$ ,  $v = 528$ 

$$w = 24$$
,  $h = 20$ ,  $x = 0$ ,  $y = 80$ ,  $v = 480$ 

$$w = 25$$
,  $h = 19$ ,  $x = 63$ ,  $y = 54$ ,  $v = 475$ 

$$w = 14$$
,  $h = 29$ ,  $x = 86$ ,  $y = 25$ ,  $v = 406$ 

$$w = 31$$
,  $h = 12$ ,  $x = 0$ ,  $y = 68$ ,  $v = 372$ 

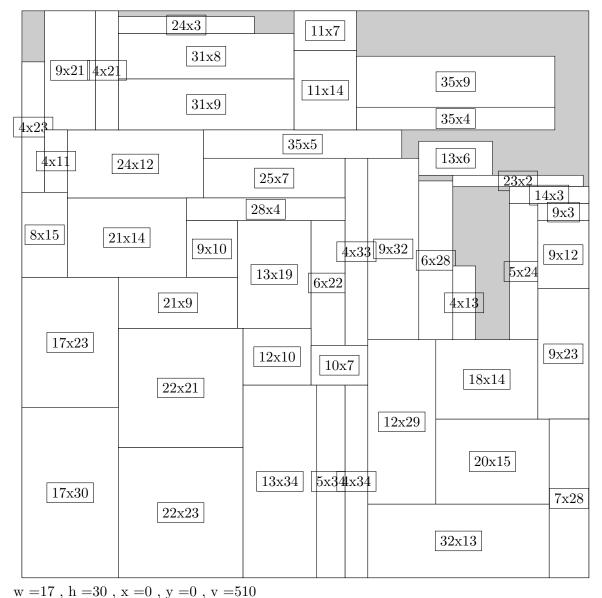
$$w = 29$$
,  $h = 12$ ,  $x = 31$ ,  $y = 25$ ,  $v = 348$ 

$$w = 22$$
,  $h = 15$ ,  $x = 53$ ,  $y = 82$ ,  $v = 330$ 

$$w = 12$$
,  $h = 27$ ,  $x = 88$ ,  $y = 73$ ,  $v = 324$ 

$$w = 35$$
,  $h = 9$ ,  $x = 53$ ,  $y = 73$ ,  $v = 315$ 

 $\begin{array}{l} w=12\;,\; h=19\;,\; x=88\;,\; y=54\;,\; v=228\\ w=17\;,\; h=13\;,\; x=37\;,\; y=41\;,\; v=221\\ w=8\;,\; h=25\;,\; x=92\;,\; y=0\;,\; v=200\\ w=13\;,\; h=14\;,\; x=75\;,\; y=82\;,\; v=182\\ w=32\;,\; h=5\;,\; x=54\;,\; y=49\;,\; v=160\\ w=32\;,\; h=4\;,\; x=60\;,\; y=21\;,\; v=128\\ w=29\;,\; h=4\;,\; x=31\;,\; y=37\;,\; v=116\\ w=6\;,\; h=13\;,\; x=31\;,\; y=41\;,\; v=78\\ w=7\;,\; h=10\;,\; x=24\;,\; y=80\;,\; v=70\\ w=6\;,\; h=8\;,\; x=54\;,\; y=41\;,\; v=48\\ w=2\;,\; h=7\;,\; x=29\;,\; y=90\;,\; v=14\\ \end{array}$ 



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w =17, h =30, x =0, y =0, v =510

w =22, h =23, x =17, y =0, v =506

w =22, h =21, x =17, y =23, v =462

w =13, h =34, x =39, y =0, v =442

w =32, h =13, x =61, y =0, v =416

w =17, h =23, x =0, y =30, v =391

w =12, h =29, x =61, y =13, v =348

w =20, h =15, x =73, y =13, v =300

w =21, h =14, x =8, y =53, v =294

w =24, h =12, x =8, y =67, v =288

w =9, h =32, x =61, y =42, v =288

w =31, h =9, x =17, y =79, v =279

w =18, h =14, x =73, y =28, v =252

w =31, h =8, x =17, y =88, v =248

w =13, h =19, x =38, y =44, v =247

w =9, h =23, x =91, y =28, v =207
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```
w = 7, h = 28, x = 93, y = 0, v = 196
w = 21, h = 9, x = 17, y = 44, v = 189
w = 9, h = 21, x = 4, y = 79, v = 189
w = 35, h = 5, x = 32, y = 74, v = 175
w = 25, h = 7, x = 32, y = 67, v = 175
w = 5, h = 34, x = 52, y = 0, v = 170
w = 6, h = 28, x = 70, y = 42, v = 168
w = 11, h = 14, x = 48, y = 79, v = 154
w = 35, h = 4, x = 59, y = 79, v = 140
w = 4, h = 34, x = 57, y = 0, v = 136
w = 6, h = 22, x = 51, y = 41, v = 132
w=\!4 , h=\!33 , x=\!57 , y=\!41 , v=\!132
w = 12, h = 10, x = 39, y = 34, v = 120
w = 8, h = 15, x = 0, y = 53, v = 120
w = 5, h = 24, x = 86, y = 42, v = 120
\le =28 , h=4 , x=29 , y=63 , v=112
w = 9, h = 12, x = 91, y = 51, v = 108
w = 4, h = 23, x = 0, y = 68, v = 92
w = 9, h = 10, x = 29, y = 53, v = 90
w = 4, h = 21, x = 13, y = 79, v = 84
w = 13, h = 6, x = 70, y = 71, v = 78
w = 11, h = 7, x = 48, y = 93, v = 77
w = 24, h = 3, x = 17, y = 96, v = 72
w = 10, h = 7, x = 51, y = 34, v = 70
w = 4, h = 13, x = 76, y = 42, v = 52
w = 23, h = 2, x = 76, y = 69, v = 46
w = 4, h = 11, x = 4, y = 68, v = 44
w = 14, h = 3, x = 86, y = 66, v = 42
w = 9, h = 3, x = 91, y = 63, v = 27
w = 35, h = 9, x = 59, y = 83, v = 315
```