$ClassName: \ Class_04.2bp-47$

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

TypeNum: $\underline{97}$ Num: $\underline{100}$ OutS: $\underline{40000}$ InS: $\underline{33424}$ Rate: $\underline{0.836}$

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

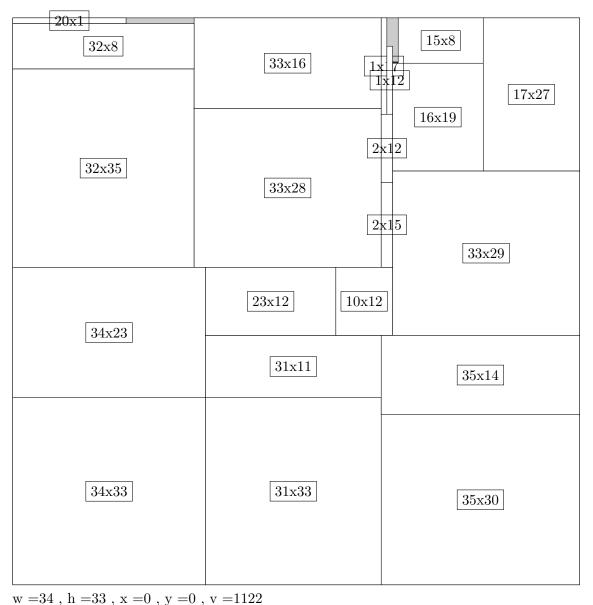
LBWithCut: $\underline{\mathbf{4}}$ NodeCut: $\underline{\mathbf{0}}$

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

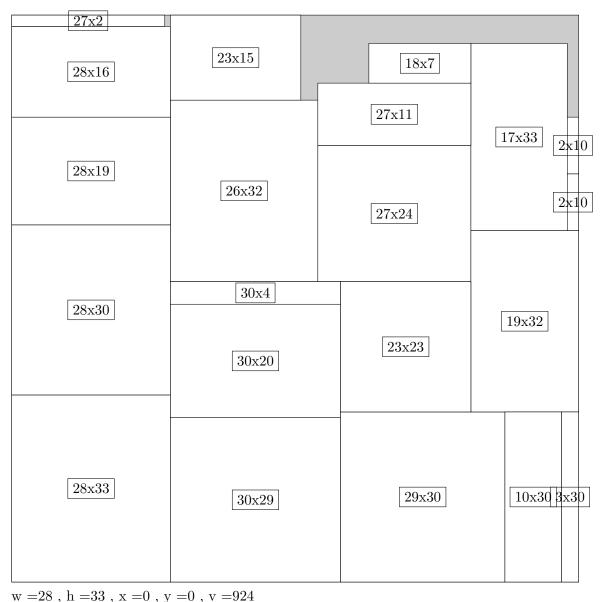
GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{4}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.010 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.062 \ s} \\ {\rm TotalTime:} \ \underline{0.135 \ s} \end{array}$



 $\begin{array}{l} w=2\ ,\ h=15\ ,\ x=65\ ,\ y=56\ ,\ v=30\\ w=2\ ,\ h=12\ ,\ x=65\ ,\ y=71\ ,\ v=24\\ w=20\ ,\ h=1\ ,\ x=0\ ,\ y=99\ ,\ v=20\\ w=1\ ,\ h=17\ ,\ x=65\ ,\ y=83\ ,\ v=17\\ w=1\ ,\ h=12\ ,\ x=66\ ,\ y=83\ ,\ v=12 \end{array}$



$$w = 28$$
, $h = 35$, $x = 0$, $y = 0$, $v = 924$
 $w = 30$, $h = 29$, $x = 28$, $y = 0$, $v = 870$

$$w = 30$$
, $h = 20$, $x = 20$, $y = 0$, $v = 870$

$$w = 29$$
, $h = 30$, $x = 58$, $y = 0$, $v = 870$

$$w = 28$$
, $h = 30$, $x = 0$, $y = 33$, $v = 840$

$$w = 26$$
, $h = 32$, $x = 28$, $y = 53$, $v = 832$

$$w = 19$$
, $h = 32$, $x = 61$, $y = 30$, $v = 600$
 $w = 30$, $h = 20$, $x = 28$, $y = 29$, $v = 600$

$$w = 17$$
, $h = 33$, $x = 81$, $y = 62$, $v = 561$

$$w = 28$$
, $h = 19$, $x = 0$, $y = 63$, $v = 532$

$$w = 23$$
, $h = 23$, $x = 58$, $y = 30$, $v = 529$

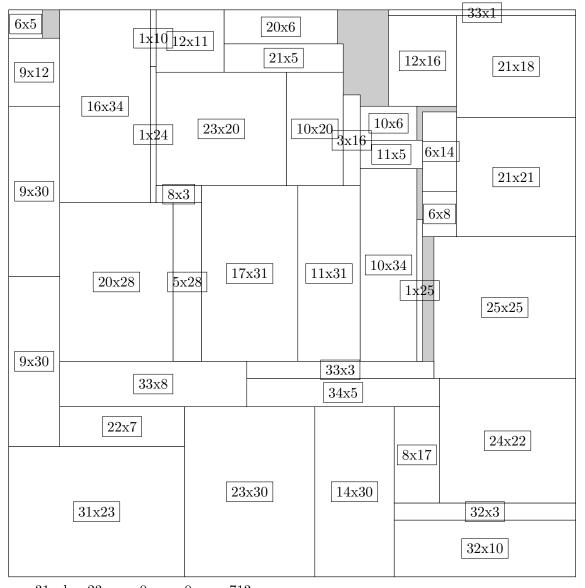
$$w = 28$$
, $h = 16$, $x = 0$, $y = 82$, $v = 448$

$$\le =10$$
 , h =30 , x =87 , y =0 , v =300

$$w = 27$$
, $h = 11$, $x = 54$, $y = 77$, $v = 297$

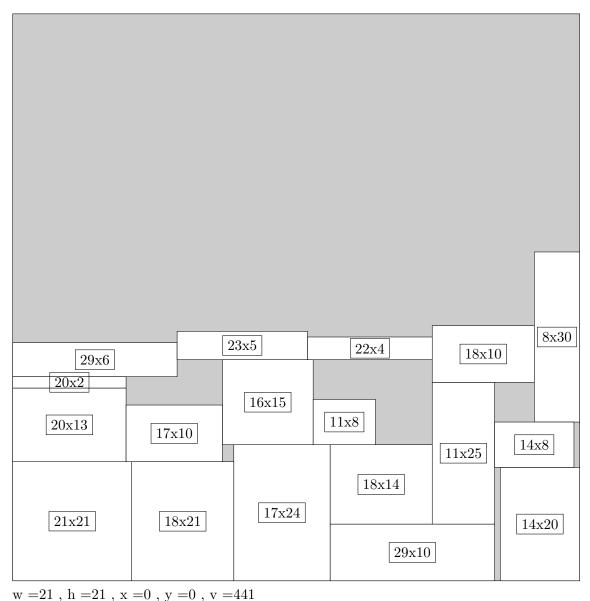
$$w = 18$$
, $h = 7$, $x = 63$, $y = 88$, $v = 126$

 $\begin{array}{l} w = & 30 \;,\; h = & 4 \;,\; x = & 28 \;,\; y = & 49 \;,\; v = & 120 \\ w = & 3 \;,\; h = & 30 \;,\; x = & 97 \;,\; y = & 0 \;,\; v = & 90 \\ w = & 27 \;,\; h = & 2 \;,\; x = & 0 \;,\; y = & 98 \;,\; v = & 54 \\ w = & 2 \;,\; h = & 10 \;,\; x = & 98 \;,\; y = & 62 \;,\; v = & 20 \\ w = & 2 \;,\; h = & 10 \;,\; x = & 98 \;,\; y = & 72 \;,\; v = & 20 \end{array}$



$$\begin{array}{l} w = & 31 \;, \; h = & 23 \;, \; x = & 0 \;, \; y = & 0 \;, \; v = & 713 \\ w = & 23 \;, \; h = & 30 \;, \; x = & 31 \;, \; y = & 0 \;, \; v = & 690 \\ w = & 25 \;, \; h = & 25 \;, \; x = & 75 \;, \; y = & 35 \;, \; v = & 625 \\ w = & 20 \;, \; h = & 28 \;, \; x = & 9 \;, \; y = & 38 \;, \; v = & 560 \\ w = & 16 \;, \; h = & 34 \;, \; x = & 9 \;, \; y = & 66 \;, \; v = & 544 \\ w = & 24 \;, \; h = & 22 \;, \; x = & 76 \;, \; y = & 13 \;, \; v = & 528 \\ w = & 17 \;, \; h = & 31 \;, \; x = & 34 \;, \; y = & 38 \;, \; v = & 527 \\ w = & 23 \;, \; h = & 20 \;, \; x = & 26 \;, \; y = & 69 \;, \; v = & 460 \\ w = & 21 \;, \; h = & 21 \;, \; x = & 79 \;, \; y = & 60 \;, \; v = & 441 \\ w = & 14 \;, \; h = & 30 \;, \; x = & 54 \;, \; y = & 0 \;, \; v = & 420 \\ w = & 11 \;, \; h = & 31 \;, \; x = & 51 \;, \; y = & 38 \;, \; v = & 341 \\ w = & 10 \;, \; h = & 34 \;, \; x = & 62 \;, \; y = & 38 \;, \; v = & 340 \\ w = & 32 \;, \; h = & 10 \;, \; x = & 68 \;, \; y = & 0 \;, \; v = & 270 \\ w = & 9 \;, \; h = & 30 \;, \; x = & 0 \;, \; y = & 23 \;, \; v = & 270 \\ \end{array}$$

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\le =9 , h =30 , x =0 , y =53 , v =270
w = 33, h = 8, x = 9, y = 30, v = 264
w = 10, h = 20, x = 49, y = 69, v = 200
w = 12, h = 16, x = 67, y = 83, v = 192
w = 34, h = 5, x = 42, y = 30, v = 170
w = 22, h = 7, x = 9, y = 23, v = 154
w = 5, h = 28, x = 29, y = 38, v = 140
w =8 , h =17 , x =68 , y =13 , v =136
w = 12, h = 11, x = 26, y = 89, v = 132
w = 20, h = 6, x = 38, y = 94, v = 120
w = 9, h = 12, x = 0, y = 83, v = 108
w = 21, h = 5, x = 38, y = 89, v = 105
w = 33, h = 3, x = 42, y = 35, v = 99
w = 32, h = 3, x = 68, y = 10, v = 96
w = 6, h = 14, x = 73, y = 68, v = 84
w = 10, h = 6, x = 62, y = 77, v = 60
w = 11, h = 5, x = 62, y = 72, v = 55
w = 6, h = 8, x = 73, y = 60, v = 48
w = 3, h = 16, x = 59, y = 69, v = 48
w = 33, h = 1, x = 67, y = 99, v = 33
w = 6, h = 5, x = 0, y = 95, v = 30
w = 1, h = 25, x = 72, y = 38, v = 25
w=8 , h=3 , x=26 , y=66 , v=24
w = 1, h = 10, x = 25, y = 90, v = 10
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```
w = 21, h = 21, x = 0, y = 0, v = 441
w = 17, h = 24, x = 39, y = 0, v = 408
w = 29, h = 10, x = 56, y = 0, v = 290
w = 14, h = 20, x = 86, y = 0, v = 280
w = 11, h = 25, x = 74, y = 10, v = 275
w = 20, h = 13, x = 0, y = 21, v = 260
w = 18, h = 14, x = 56, y = 10, v = 252
w = 16, h = 15, x = 37, y = 24, v = 240
w = 8, h = 30, x = 92, y = 28, v = 240
w = 18, h = 10, x = 74, y = 35, v = 180
w = 29, h = 6, x = 0, y = 36, v = 174
w = 17, h = 10, x = 20, y = 31, v = 170
w = 23, h = 5, x = 29, y = 39, v = 115
w = 14, h = 8, x = 85, y = 20, v = 112
w = 22, h = 4, x = 52, y = 39, v = 88
w = 11, h = 8, x = 53, y = 24, v = 88
```

 $\begin{array}{l} w = 20 \ , \ h = 2 \ , \ x = 0 \ , \ y = 34 \ , \ v = 40 \\ w = 18 \ , \ h = 21 \ , \ x = 21 \ , \ y = 0 \ , \ v = 378 \end{array}$