$ClassName: \ Class_04.2bp-43$

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

TypeNum: <u>96</u>
Num: <u>100</u>
OutS: <u>40000</u>
InS: <u>30525</u>
Rate: <u>0.763</u>

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

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

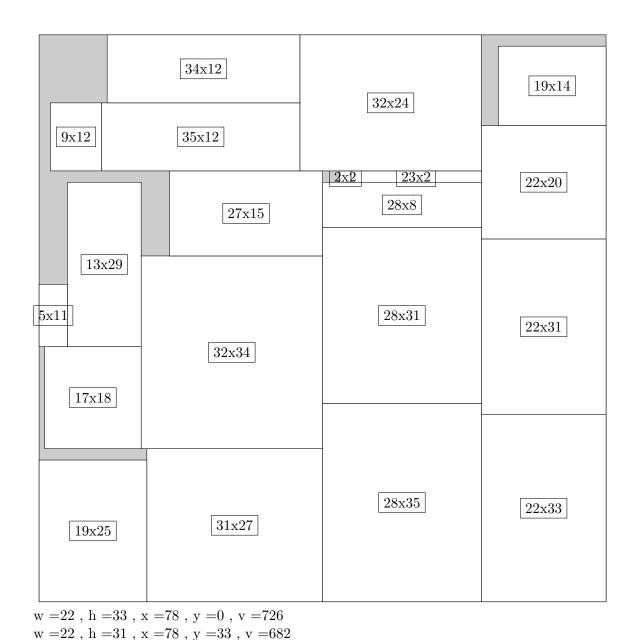
ExtendedNodeCnt: $\underline{\mathbf{1}}$

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

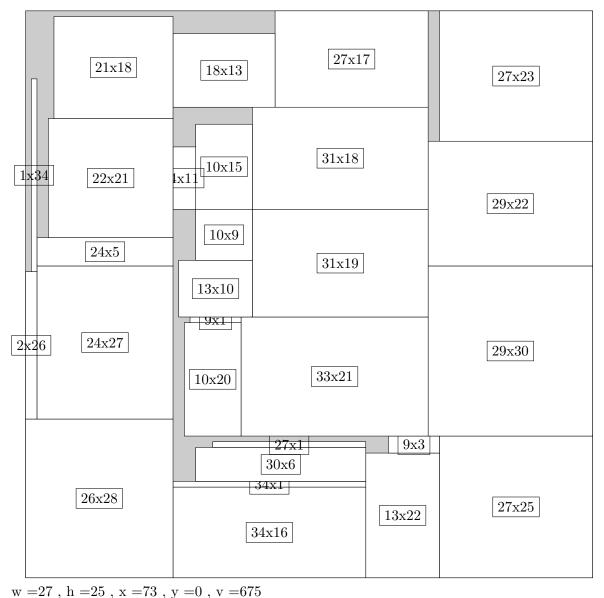
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 600.359 s



$$\begin{array}{l} w = 22 \;,\; h = 20 \;,\; x = 78 \;,\; y = 64 \;,\; v = 440 \\ w = 19 \;,\; h = 14 \;,\; x = 81 \;,\; y = 84 \;,\; v = 266 \\ w = 28 \;,\; h = 35 \;,\; x = 50 \;,\; y = 0 \;,\; v = 980 \\ w = 28 \;,\; h = 31 \;,\; x = 50 \;,\; y = 35 \;,\; v = 868 \\ w = 28 \;,\; h = 8 \;,\; x = 50 \;,\; y = 66 \;,\; v = 224 \\ w = 23 \;,\; h = 2 \;,\; x = 55 \;,\; y = 74 \;,\; v = 46 \\ w = 2 \;,\; h = 2 \;,\; x = 53 \;,\; y = 74 \;,\; v = 46 \\ w = 31 \;,\; h = 27 \;,\; x = 19 \;,\; y = 0 \;,\; v = 837 \\ w = 19 \;,\; h = 25 \;,\; x = 0 \;,\; y = 0 \;,\; v = 475 \\ w = 32 \;,\; h = 34 \;,\; x = 18 \;,\; y = 27 \;,\; v = 1088 \\ w = 27 \;,\; h = 15 \;,\; x = 23 \;,\; y = 61 \;,\; v = 405 \\ w = 17 \;,\; h = 18 \;,\; x = 1 \;,\; y = 27 \;,\; v = 306 \\ w = 13 \;,\; h = 29 \;,\; x = 5 \;,\; y = 45 \;,\; v = 377 \end{array}$$

w = 5, h = 11, x = 0, y = 45, v = 55

 $\begin{array}{l} w = & 32 \ , \ h = & 24 \ , \ x = & 46 \ , \ y = & 76 \ , \ v = & 768 \\ w = & 35 \ , \ h = & 12 \ , \ x = & 11 \ , \ y = & 76 \ , \ v = & 420 \\ w = & 9 \ , \ h = & 12 \ , \ x = & 2 \ , \ y = & 76 \ , \ v = & 108 \\ w = & 34 \ , \ h = & 12 \ , \ x = & 12 \ , \ y = & 88 \ , \ v = & 408 \end{array}$



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w = 27, h = 23, x = 73, y = 0, v = 073

w = 13, h = 22, x = 60, y = 0, v = 286

w = 9, h = 3, x = 64, y = 22, v = 27

w = 34, h = 16, x = 26, y = 16, v = 34

w = 30, h = 6, x = 30, y = 17, v = 180

w = 27, h = 1, x = 33, y = 23, v = 27

w = 29, h = 30, x = 71, y = 25, v = 870

w = 29, h = 22, x = 71, y = 55, v = 638

w = 27, h = 23, x = 73, y = 77, v = 621

w = 33, h = 21, x = 38, y = 25, v = 693

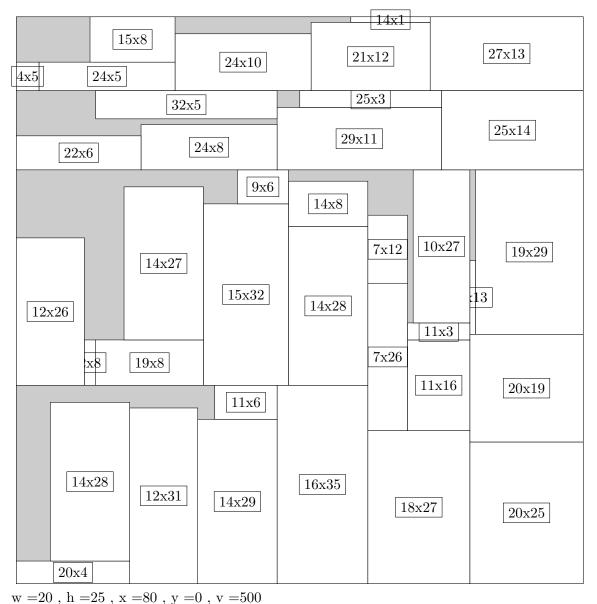
w = 10, h = 20, x = 28, y = 25, v = 200

w = 9, h = 1, x = 29, y = 45, v = 9

w = 31, h = 19, x = 40, y = 46, v = 589

w = 10, h = 9, x = 30, y = 56, v = 90
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 $\begin{array}{l} w = 31 \; , \, h = 18 \; , \, x = 40 \; , \, y = 65 \; , \, v = 558 \\ w = 10 \; , \, h = 15 \; , \, x = 30 \; , \, y = 65 \; , \, v = 150 \\ w = 4 \; , \, h = 11 \; , \, x = 26 \; , \, y = 65 \; , \, v = 44 \\ w = 27 \; , \, h = 17 \; , \, x = 44 \; , \, y = 83 \; , \, v = 459 \\ w = 18 \; , \, h = 13 \; , \, x = 26 \; , \, y = 83 \; , \, v = 234 \\ w = 26 \; , \, h = 28 \; , \, x = 0 \; , \, y = 0 \; , \, v = 728 \\ w = 24 \; , \, h = 27 \; , \, x = 2 \; , \, y = 28 \; , \, v = 648 \\ w = 24 \; , \, h = 5 \; , \, x = 2 \; , \, y = 55 \; , \, v = 120 \\ w = 22 \; , \, h = 21 \; , \, x = 4 \; , \, y = 60 \; , \, v = 462 \\ w = 21 \; , \, h = 18 \; , \, x = 5 \; , \, y = 81 \; , \, v = 378 \\ w = 2 \; , \, h = 26 \; , \, x = 0 \; , \, y = 28 \; , \, v = 52 \\ w = 1 \; , \, h = 34 \; , \, x = 1 \; , \, y = 54 \; , \, v = 34 \\ \end{array}$



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\le =14 , h=28 , x=48 , y=35 , v=392
w = 14, h = 8, x = 48, y = 63, v = 112
w = 15, h = 32, x = 33, y = 35, v = 480
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$$\le =9$$
 , h =6 , x =39 , y =67 , v =54

$$w = 19$$
, $h = 8$, $x = 14$, $y = 35$, $v = 152$

$$w$$
 =2 , h =8 , x =12 , y =35 , v =16

$$w=\!14$$
 , $h=\!27$, $x=\!19$, $y=\!43$, $v=\!378$

$$\le =12$$
 , h =26 , x =0 , y =35 , v =312

$$w = 25$$
, $h = 14$, $x = 75$, $y = 73$, $v = 350$

$$w = 29$$
, $h = 11$, $x = 46$, $y = 73$, $v = 319$

$$w = 25$$
, $h = 3$, $x = 50$, $y = 84$, $v = 75$

$$w = 24$$
, $h = 8$, $x = 22$, $y = 73$, $v = 192$

$$w = 22$$
, $h = 6$, $x = 0$, $y = 73$, $v = 132$

$$\le =32$$
 , $h=5$, $x=14$, $y=82$, $v=160$

$$w = 27$$
, $h = 13$, $x = 73$, $y = 87$, $v = 351$

$$w = 21$$
, $h = 12$, $x = 52$, $y = 87$, $v = 252$

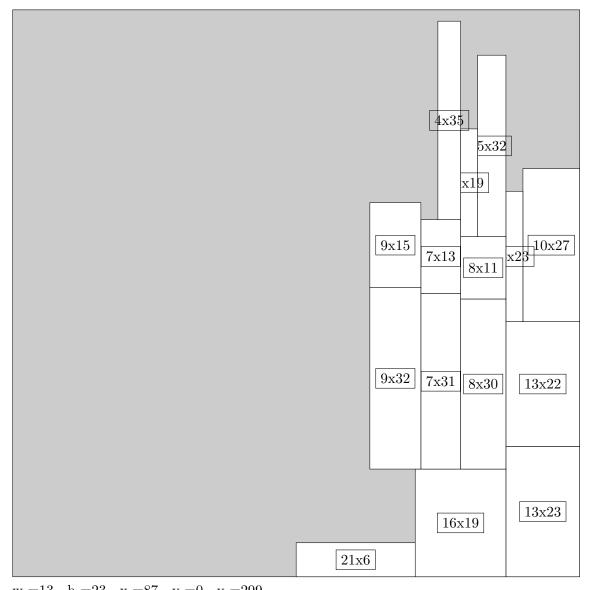
$$w = 14$$
, $h = 1$, $x = 59$, $y = 99$, $v = 14$

$$w = 24$$
, $h = 10$, $x = 28$, $y = 87$, $v = 240$

$$w = 24$$
, $h = 5$, $x = 4$, $y = 87$, $v = 120$

$$w = 4$$
, $h = 5$, $x = 0$, $y = 87$, $v = 20$

$$w = 15$$
, $h = 8$, $x = 13$, $y = 92$, $v = 120$



```
\begin{array}{l} w = 13 \; , \; h = 23 \; , \; x = 87 \; , \; y = 0 \; , \; v = 299 \\ w = 13 \; , \; h = 22 \; , \; x = 87 \; , \; y = 23 \; , \; v = 286 \\ w = 10 \; , \; h = 27 \; , \; x = 90 \; , \; y = 45 \; , \; v = 270 \\ w = 3 \; , \; h = 23 \; , \; x = 87 \; , \; y = 45 \; , \; v = 69 \\ w = 16 \; , \; h = 19 \; , \; x = 71 \; , \; y = 0 \; , \; v = 304 \\ w = 21 \; , \; h = 6 \; , \; x = 50 \; , \; y = 0 \; , \; v = 126 \\ w = 8 \; , \; h = 30 \; , \; x = 79 \; , \; y = 19 \; , \; v = 240 \\ w = 8 \; , \; h = 11 \; , \; x = 79 \; , \; y = 49 \; , \; v = 88 \\ w = 5 \; , \; h = 32 \; , \; x = 82 \; , \; y = 60 \; , \; v = 160 \\ w = 3 \; , \; h = 19 \; , \; x = 79 \; , \; y = 60 \; , \; v = 57 \\ w = 7 \; , \; h = 31 \; , \; x = 72 \; , \; y = 19 \; , \; v = 217 \\ w = 7 \; , \; h = 13 \; , \; x = 72 \; , \; y = 50 \; , \; v = 91 \\ w = 4 \; , \; h = 35 \; , \; x = 75 \; , \; y = 63 \; , \; v = 140 \\ w = 9 \; , \; h = 32 \; , \; x = 63 \; , \; y = 51 \; , \; v = 135 \\ \end{array}
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