$ClassName: {\bf Class\_04.2bp\text{-}31}$ 

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

TypeNum:  $\underline{76}$ Num:  $\underline{80}$ OutS:  $\underline{30000}$ InS:  $\underline{25445}$ Rate:  $\underline{0.848}$ 

UB: **3** LB0: **3** LB: **3** 

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

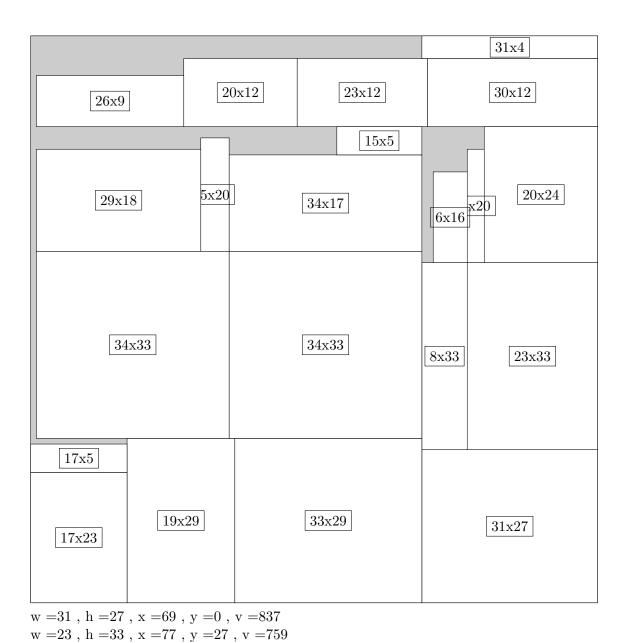
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

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



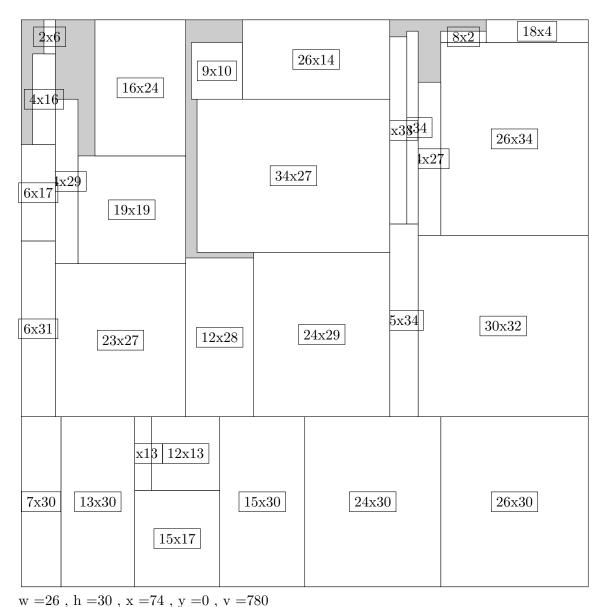
w = 5, h = 20, x = 30, y = 62, v = 100w = 29, h = 18, x = 1, y = 62, v = 522  $\le =30$  , h =12 , x =70 , y =84 , v =360

 $\le =23$  , h =12 , x =47 , y =84 , v =276

 $\le =20$  , h =12 , x =27 , y =84 , v =240

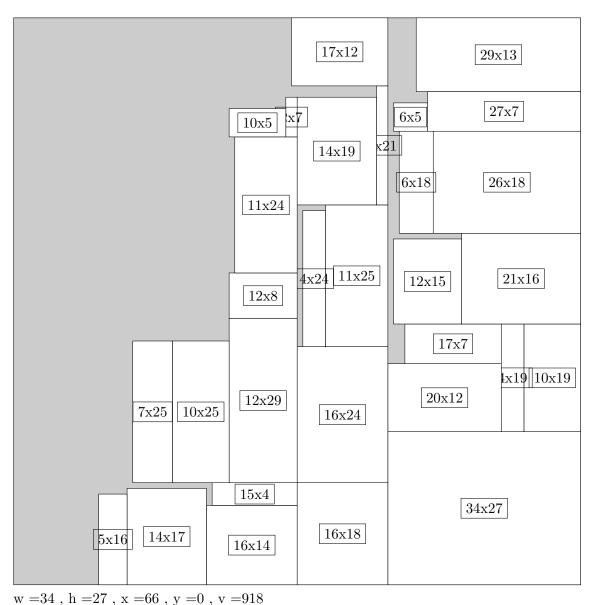
 $\le =26$  , h =9 , x =1 , y =84 , v =234

 $\le =31$  , h =4 , x =69 , y =96 , v =124



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\begin{array}{l} w = 24 \; , \; h = 30 \; , \; x = 50 \; , \; y = 0 \; , \; v = 720 \\ w = 15 \; , \; h = 30 \; , \; x = 35 \; , \; y = 0 \; , \; v = 450 \\ w = 15 \; , \; h = 17 \; , \; x = 20 \; , \; y = 0 \; , \; v = 255 \\ w = 12 \; , \; h = 13 \; , \; x = 23 \; , \; y = 17 \; , \; v = 156 \\ w = 3 \; , \; h = 13 \; , \; x = 20 \; , \; y = 17 \; , \; v = 39 \\ w = 13 \; , \; h = 30 \; , \; x = 7 \; , \; y = 0 \; , \; v = 390 \\ w = 7 \; , \; h = 30 \; , \; x = 0 \; , \; y = 0 \; , \; v = 210 \\ w = 30 \; , \; h = 32 \; , \; x = 70 \; , \; y = 30 \; , \; v = 960 \\ w = 26 \; , \; h = 34 \; , \; x = 74 \; , \; y = 62 \; , \; v = 884 \\ w = 18 \; , \; h = 4 \; , \; x = 82 \; , \; y = 96 \; , \; v = 72 \\ w = 8 \; , \; h = 2 \; , \; x = 74 \; , \; y = 96 \; , \; v = 16 \\ w = 4 \; , \; h = 27 \; , \; x = 70 \; , \; y = 62 \; , \; v = 108 \\ w = 5 \; , \; h = 34 \; , \; x = 65 \; , \; y = 30 \; , \; v = 170 \\ w = 2 \; , \; h = 34 \; , \; x = 68 \; , \; y = 64 \; , \; v = 68 \\ w = 3 \; , \; h = 33 \; , \; x = 65 \; , \; y = 64 \; , \; v = 99 \end{array}
```

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\begin{array}{l} w=24\;,\;h=29\;,\;x=41\;,\;y=30\;,\;v=696\\ w=12\;,\;h=28\;,\;x=29\;,\;y=30\;,\;v=336\\ w=34\;,\;h=27\;,\;x=31\;,\;y=59\;,\;v=918\\ w=26\;,\;h=14\;,\;x=39\;,\;y=86\;,\;v=364\\ w=9\;,\;h=10\;,\;x=30\;,\;y=86\;,\;v=90\\ w=23\;,\;h=27\;,\;x=6\;,\;y=30\;,\;v=621\\ w=19\;,\;h=19\;,\;x=10\;,\;y=57\;,\;v=361\\ w=16\;,\;h=24\;,\;x=13\;,\;y=76\;,\;v=384\\ w=4\;,\;h=29\;,\;x=6\;,\;y=57\;,\;v=116\\ w=6\;,\;h=31\;,\;x=0\;,\;y=57\;,\;v=116\\ w=6\;,\;h=17\;,\;x=0\;,\;y=61\;,\;v=102\\ w=4\;,\;h=16\;,\;x=2\;,\;y=78\;,\;v=64\\ w=2\;,\;h=6\;,\;x=4\;,\;y=94\;,\;v=12\\ \end{array}
```



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w =10 , h =19 , x =90 , y =27 , v =190

w =4 , h =19 , x =86 , y =27 , v =76

w =20 , h =12 , x =66 , y =27 , v =240

w =17 , h =7 , x =69 , y =39 , v =119

w =21 , h =16 , x =79 , y =46 , v =336

w =12 , h =15 , x =67 , y =46 , v =180

w =26 , h =18 , x =74 , y =62 , v =468

w =6 , h =18 , x =68 , y =62 , v =108

w =27 , h =7 , x =73 , y =80 , v =189

w =6 , h =5 , x =67 , y =80 , v =30

w =29 , h =13 , x =71 , y =87 , v =377

w =16 , h =18 , x =50 , y =0 , v =288

w =16 , h =14 , x =34 , y =0 , v =224

w =15 , h =4 , x =35 , y =14 , v =60

w =14 , h =17 , x =20 , y =0 , v =238
```

 $\begin{array}{l} w=5 \;,\; h=16 \;,\; x=15 \;,\; y=0 \;,\; v=80 \\ w=16 \;,\; h=24 \;,\; x=50 \;,\; y=18 \;,\; v=384 \\ w=11 \;,\; h=25 \;,\; x=55 \;,\; y=42 \;,\; v=275 \\ w=4 \;,\; h=24 \;,\; x=51 \;,\; y=42 \;,\; v=96 \\ w=2 \;,\; h=21 \;,\; x=64 \;,\; y=67 \;,\; v=42 \\ w=14 \;,\; h=19 \;,\; x=50 \;,\; y=67 \;,\; v=266 \\ w=12 \;,\; h=29 \;,\; x=38 \;,\; y=18 \;,\; v=348 \\ w=12 \;,\; h=8 \;,\; x=38 \;,\; y=47 \;,\; v=96 \\ w=11 \;,\; h=24 \;,\; x=39 \;,\; y=55 \;,\; v=264 \\ w=2 \;,\; h=7 \;,\; x=48 \;,\; y=79 \;,\; v=14 \\ w=10 \;,\; h=5 \;,\; x=38 \;,\; y=79 \;,\; v=50 \\ w=10 \;,\; h=25 \;,\; x=28 \;,\; y=18 \;,\; v=250 \\ w=7 \;,\; h=25 \;,\; x=21 \;,\; y=18 \;,\; v=175 \\ w=17 \;,\; h=12 \;,\; x=49 \;,\; y=88 \;,\; v=204 \\ \end{array}$