$ClassName: \ Class_06.2bp\text{-}45$

BinSize: 300×300 ReduceSize: 300×300

TypeNum: <u>100</u> Num: <u>100</u> OutS: <u>360000</u> InS: <u>289969</u> Rate: <u>0.805</u>

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

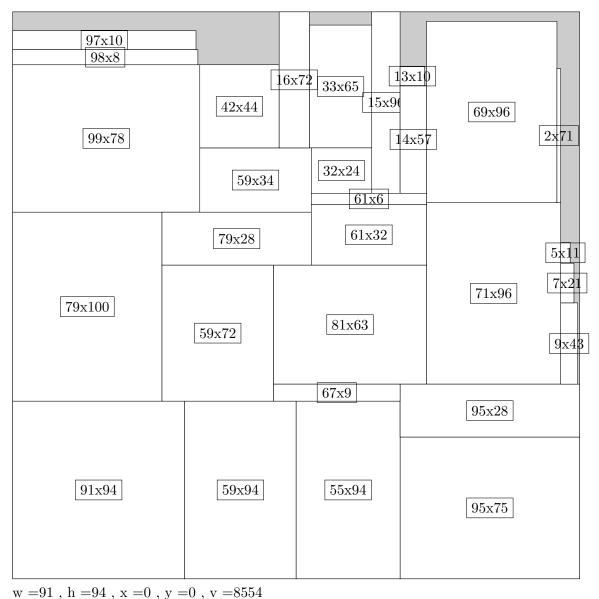
LBWithCut: $\underline{\mathbf{4}}$ NodeCut: $\underline{\mathbf{0}}$

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.030 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.063 \ s} \\ {\rm TotalTime:} \ \underline{0.155 \ s} \end{array}$



```
w = 79, h = 100, x = 0, y = 94, v = 7900
```

$$\le =99$$
 , h =78 , x =0 , y =194 , v =7722

$$w = 95$$
, $h = 75$, $x = 205$, $y = 0$, $v = 7125$

$$w$$
 =71 , h =96 , x =219 , y =103 , v =6816

$$w = 69$$
, $h = 96$, $x = 219$, $y = 199$, $v = 6624$

$$w = 59$$
, $h = 94$, $x = 91$, $y = 0$, $v = 5546$

$$w = 55$$
, $h = 94$, $x = 150$, $y = 0$, $v = 5170$

$$w = 81$$
, $h = 63$, $x = 138$, $y = 103$, $v = 5103$

$$w$$
 =59 , h =72 , x =79 , y =94 , v =4248

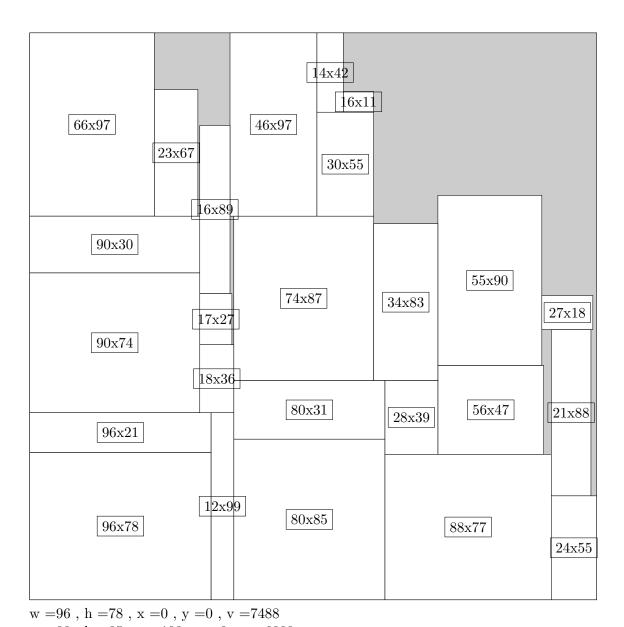
$$w = 95$$
, $h = 28$, $x = 205$, $y = 75$, $v = 2660$

$$w = 61$$
, $h = 32$, $x = 158$, $y = 166$, $v = 1952$

$$w = 42$$
, $h = 44$, $x = 99$, $y = 228$, $v = 1848$

```
\begin{array}{l} w = \! 15 \; , \, h = \! 96 \; , \, x = \! 190 \; , \, y = \! 204 \; , \, v = \! 1440 \\ w = \! 16 \; , \, h = \! 72 \; , \, x = \! 141 \; , \, y = \! 228 \; , \, v = \! 1152 \\ w = \! 97 \; , \, h = \! 10 \; , \, x = \! 0 \; , \, y = \! 280 \; , \, v = \! 970 \\ w = \! 14 \; , \, h = \! 57 \; , \, x = \! 205 \; , \, y = \! 204 \; , \, v = \! 798 \\ w = \! 98 \; , \, h = \! 8 \; , \, x = \! 0 \; , \, y = \! 272 \; , \, v = \! 784 \\ w = \! 32 \; , \, h = \! 24 \; , \, x = \! 158 \; , \, y = \! 204 \; , \, v = \! 768 \\ w = \! 67 \; , \, h = \! 9 \; , \, x = \! 138 \; , \, y = \! 94 \; , \, v = \! 603 \\ w = \! 9 \; , \, h = \! 43 \; , \, x = \! 290 \; , \, y = \! 103 \; , \, v = \! 387 \\ w = \! 61 \; , \, h = \! 6 \; , \, x = \! 158 \; , \, y = \! 198 \; , \, v = \! 366 \\ w = \! 7 \; , \, h = \! 21 \; , \, x = \! 290 \; , \, y = \! 146 \; , \, v = \! 147 \\ w = \! 2 \; , \, h = \! 71 \; , \, x = \! 288 \; , \, y = \! 199 \; , \, v = \! 142 \\ w = \! 13 \; , \, h = \! 10 \; , \, x = \! 205 \; , \, y = \! 261 \; , \, v = \! 130 \\ \end{array}
```

w = 5, h = 11, x = 290, y = 167, v = 55



```
\begin{array}{l} w=80\;,\; h=85\;,\; x=108\;,\; y=0\;,\; v=6800\\ w=88\;,\; h=77\;,\; x=188\;,\; y=0\;,\; v=6776\\ w=90\;,\; h=74\;,\; x=0\;,\; y=99\;,\; v=6660\\ w=74\;,\; h=87\;,\; x=108\;,\; y=116\;,\; v=6438\\ w=66\;,\; h=97\;,\; x=0\;,\; y=203\;,\; v=6402\\ w=56\;,\; h=47\;,\; x=216\;,\; y=77\;,\; v=2632\\ w=55\;,\; h=90\;,\; x=216\;,\; y=124\;,\; v=4950\\ w=46\;,\; h=97\;,\; x=106\;,\; y=203\;,\; v=4462\\ w=34\;,\; h=83\;,\; x=182\;,\; y=116\;,\; v=2822\\ w=90\;,\; h=30\;,\; x=0\;,\; y=173\;,\; v=2700\\ w=80\;,\; h=31\;,\; x=108\;,\; y=85\;,\; v=2480\\ w=96\;,\; h=21\;,\; x=0\;,\; y=78\;,\; v=2016\\ w=21\;,\; h=88\;,\; x=276\;,\; y=55\;,\; v=1848\\ w=30\;,\; h=55\;,\; x=152\;,\; y=203\;,\; v=1650\\ \end{array}
```

w = 23, h = 67, x = 66, y = 203, v = 1541

```
w = 16, h = 89, x = 90, y = 162, v = 1424
```

$$\le =24$$
 , $h=\!55$, $x=\!276$, $y=\!0$, $v=\!1320$

$$\le =28$$
 , h =39 , x =188 , y =77 , v =1092

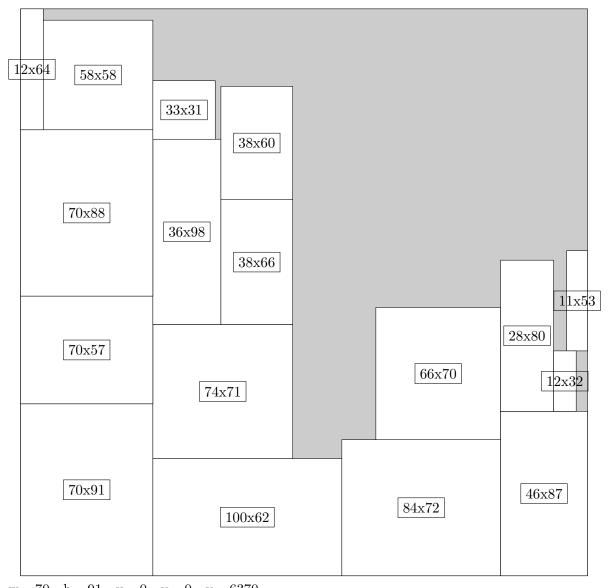
$$w=\!18$$
 , $h=\!36$, $x=\!90$, $y=\!99$, $v=\!648$

$$w=\!14$$
 , $h=\!42$, $x=\!152$, $y=\!258$, $v=\!588$

$$w$$
 =27 , h =18 , x =271 , y =143 , v =486

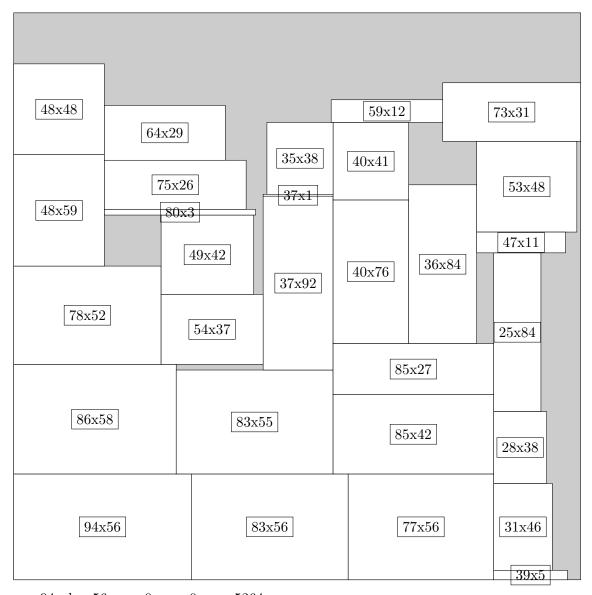
$$w=\!17$$
 , $h=\!27$, $x=\!90$, $y=\!135$, $v=\!459$

$$\mathbf{w}$$
 =16 , \mathbf{h} =11 , \mathbf{x} =166 , \mathbf{y} =258 , \mathbf{v} =176



```
w = 70, h = 91, x = 0, y = 0, v = 6370
w = 100, h = 62, x = 70, y = 0, v = 6200
w = 84, h = 72, x = 170, y = 0, v = 6048
w = 74, h = 71, x = 70, y = 62, v = 5254
w = 66, h = 70, x = 188, y = 72, v = 4620
w=\!46 , h=\!87 , x=\!254 , y=\!0 , v=\!4002
w = 70, h = 57, x = 0, y = 91, v = 3990
w = 36, h = 98, x = 70, y = 133, v = 3528
w = 58, h = 58, x = 12, y = 236, v = 3364
w = 70, h = 88, x = 0, y = 148, v = 6160
w = 38, h = 66, x = 106, y = 133, v = 2508
w = 38, h = 60, x = 106, y = 199, v = 2280
w = 28, h = 80, x = 254, y = 87, v = 2240
w = 33, h = 31, x = 70, y = 231, v = 1023
w = 12, h = 64, x = 0, y = 236, v = 768
w = 11, h = 53, x = 289, y = 119, v = 583
```

 $\le =12$, h =32 , x =282 , y =87 , v =384



```
w =94, h =56, x =0, y =0, v =5264
w =86, h =58, x =0, y =56, v =4988
```

$$w = 83$$
, $h = 56$, $x = 94$, $y = 0$, $v = 4648$

$$w = 83$$
, $h = 55$, $x = 86$, $y = 56$, $v = 4565$

$$w = 77$$
, $h = 56$, $x = 177$, $y = 0$, $v = 4312$

$$w = 78$$
, $h = 52$, $x = 0$, $y = 114$, $v = 4056$

$$w = 85$$
, $h = 42$, $x = 169$, $y = 56$, $v = 3570$

$$w = 36$$
, $h = 84$, $x = 209$, $y = 125$, $v = 3024$

$$w = 48$$
, $h = 48$, $x = 0$, $y = 225$, $v = 2304$

$$w = 85$$
, $h = 27$, $x = 169$, $y = 98$, $v = 2295$

$$w = 25$$
, $h = 84$, $x = 254$, $y = 89$, $v = 2100$

```
w = 49, h = 42, x = 78, y = 151, v = 2058
```

$$w = 54$$
, $h = 37$, $x = 78$, $y = 114$, $v = 1998$

$$w = 75$$
, $h = 26$, $x = 48$, $y = 196$, $v = 1950$

$$w = 64$$
, $h = 29$, $x = 48$, $y = 222$, $v = 1856$

$$\le =40$$
 , $h=\!41$, $x=\!169$, $y=\!201$, $v=\!1640$

$$\le =31$$
 , $h=46$, $x=254$, $y=5$, $v=1426$

$$w = 35$$
, $h = 38$, $x = 134$, $y = 204$, $v = 1330$

$$w=\!28$$
 , $h=\!38$, $x=\!254$, $y=\!51$, $v=\!1064$

$$w = 59$$
, $h = 12$, $x = 168$, $y = 242$, $v = 708$

$$w = 47$$
, $h = 11$, $x = 245$, $y = 173$, $v = 517$

$$w = 80$$
, $h = 3$, $x = 48$, $y = 193$, $v = 240$

$$w = 39$$
, $h = 5$, $x = 254$, $y = 0$, $v = 195$

$$w = 37$$
, $h = 1$, $x = 132$, $y = 203$, $v = 37$