$ClassName: {\bf Class\_10.2bp\text{-}31}$ 

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

TypeNum: 80
Num: 80
OutS: 110000
InS: 97806
Rate: 0.889
UB: 11
LB0: 10

LB: <u>11</u> LBWithCut: <u>11</u>

NodeCut: <u>0</u>
ExtendedNodeCut:

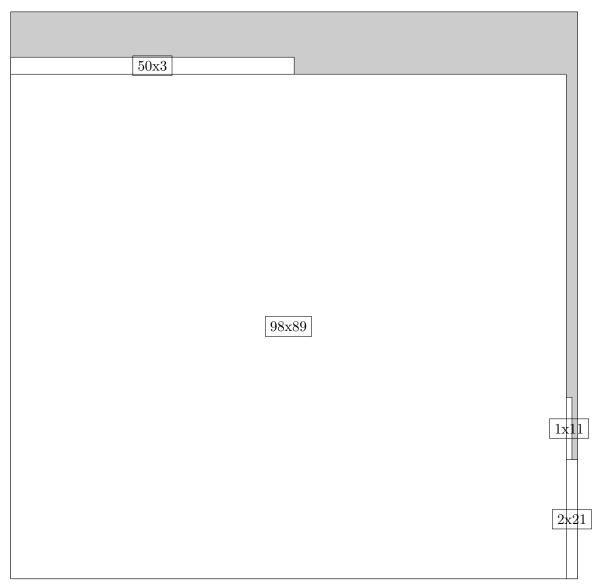
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{66}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{55}}$ PricingSolverCnt:  $\underline{\mathbf{55}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

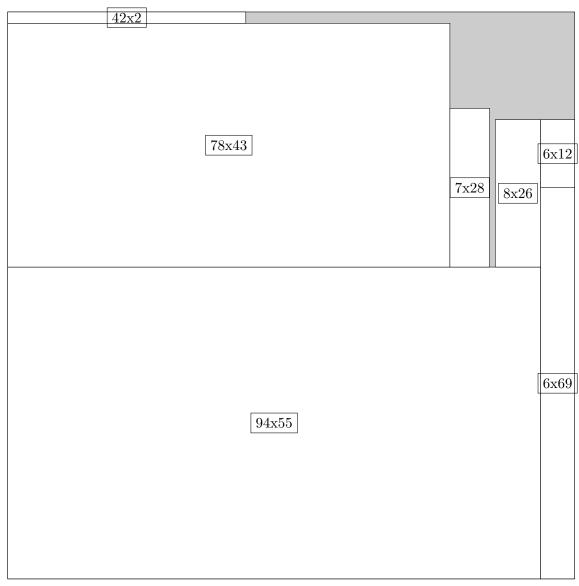
isOpt: **false** 

TimeOnPrimal: 0.000 sTimeOnPricing: 3602.202 sTimeOnRmp: 0.183 s

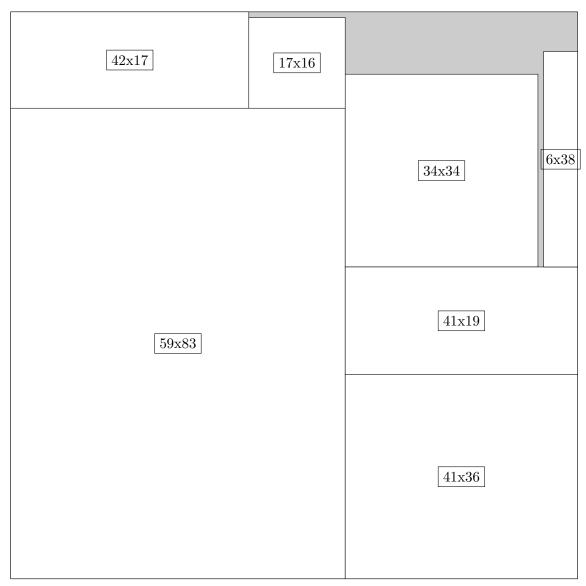
TotalTime: 3602.447 s



 $\begin{array}{l} w = 98 \ , \ h = 89 \ , \ x = 0 \ , \ y = 0 \ , \ v = 8722 \\ w = 50 \ , \ h = 3 \ , \ x = 0 \ , \ y = 89 \ , \ v = 150 \\ w = 2 \ , \ h = 21 \ , \ x = 98 \ , \ y = 0 \ , \ v = 42 \\ w = 1 \ , \ h = 11 \ , \ x = 98 \ , \ y = 21 \ , \ v = 11 \end{array}$ 



$$\begin{array}{l} w = 94 \;,\; h = 55 \;,\; x = 0 \;,\; y = 0 \;,\; v = 5170 \\ w = 78 \;,\; h = 43 \;,\; x = 0 \;,\; y = 55 \;,\; v = 3354 \\ w = 6 \;,\; h = 69 \;,\; x = 94 \;,\; y = 0 \;,\; v = 414 \\ w = 8 \;,\; h = 26 \;,\; x = 86 \;,\; y = 55 \;,\; v = 208 \\ w = 7 \;,\; h = 28 \;,\; x = 78 \;,\; y = 55 \;,\; v = 196 \\ w = 42 \;,\; h = 2 \;,\; x = 0 \;,\; y = 98 \;,\; v = 84 \\ w = 6 \;,\; h = 12 \;,\; x = 94 \;,\; y = 69 \;,\; v = 72 \end{array}$$



$$w = 59$$
,  $h = 83$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4897$ 

$$w=\!41$$
 ,  $h=\!36$  ,  $x=\!59$  ,  $y=\!0$  ,  $v=\!1476$ 

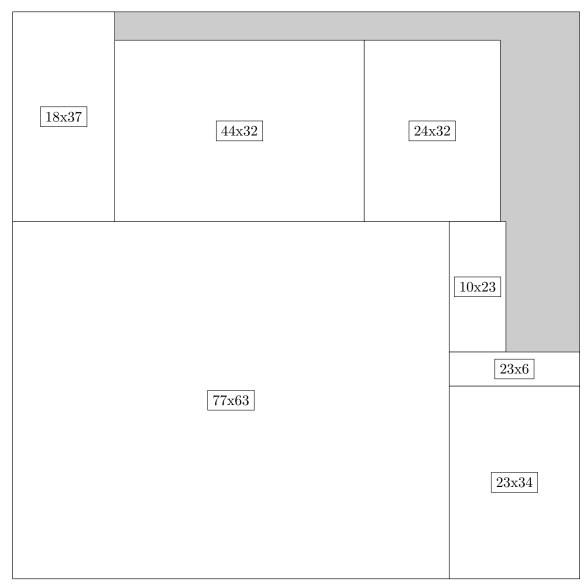
$$\le =34$$
 , h =34 , x =59 , y =55 , v =1156

$$\mathbf{w}$$
 =41 , h =19 , x =59 , y =36 , v =779

$$\mathbf{w}$$
 =42 , h =17 , x =0 , y =83 , v =714

$$w=\!17$$
 ,  $h=\!16$  ,  $x=\!42$  ,  $y=\!83$  ,  $v=\!272$ 

$$w$$
 =6 , h =38 , x =94 , y =55 , v =228



$$w = 77$$
,  $h = 63$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4851$ 

$$w=\!44$$
 ,  $h=\!32$  ,  $x=\!18$  ,  $y=\!63$  ,  $v=\!1408$ 

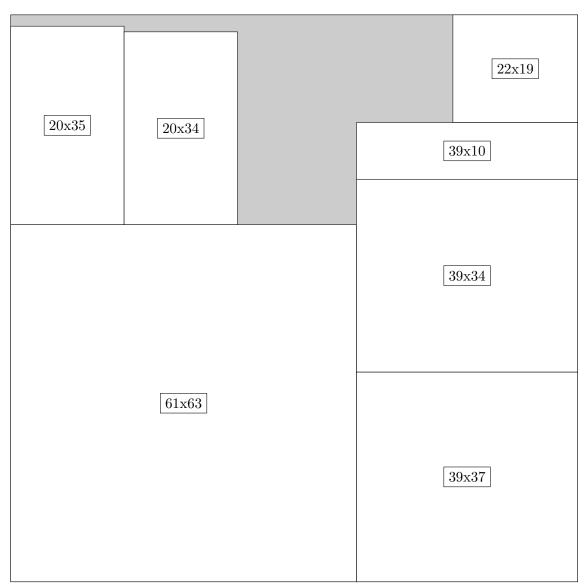
$$\le =23$$
 , h =34 , x =77 , y =0 , v =782

$$\le =24$$
 , h =32 , x =62 , y =63 , v =768

$$\le =18$$
 ,  $h=37$  ,  $x=0$  ,  $y=63$  ,  $v=666$ 

$$w=\!10$$
 ,  $h=\!23$  ,  $x=\!77$  ,  $y=\!40$  ,  $v=\!230$ 

$$\le =23$$
 , h =6 , x =77 , y =34 , v =138



$$w = 61$$
,  $h = 63$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3843$ 

$$w=\!39$$
 ,  $h=\!37$  ,  $x=\!61$  ,  $y=\!0$  ,  $v=\!1443$ 

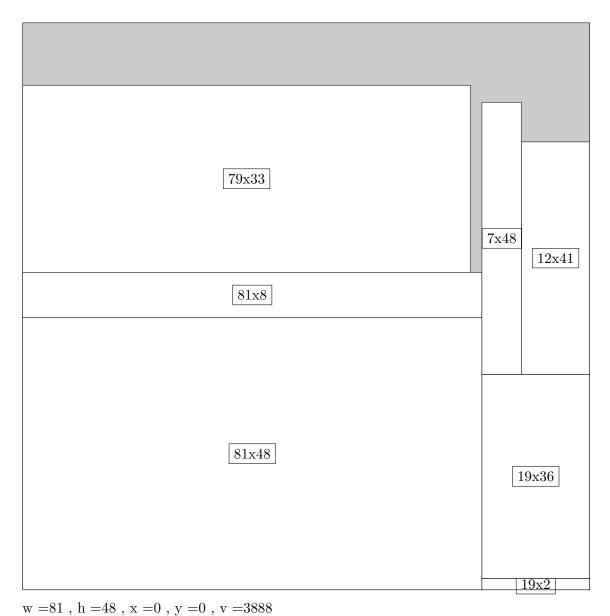
$$\le =39$$
 , h =34 , x =61 , y =37 , v =1326

$$\le =20$$
 , h =35 , x =0 , y =63 , v =700

$$\le =20$$
 ,  $h=34$  ,  $x=20$  ,  $y=63$  ,  $v=680$ 

$$w$$
 =22 ,  $h$  =19 ,  $x$  =78 ,  $y$  =81 ,  $v$  =418

$$\le =39$$
 ,  $h=10$  ,  $x=61$  ,  $y=71$  ,  $v=390$ 



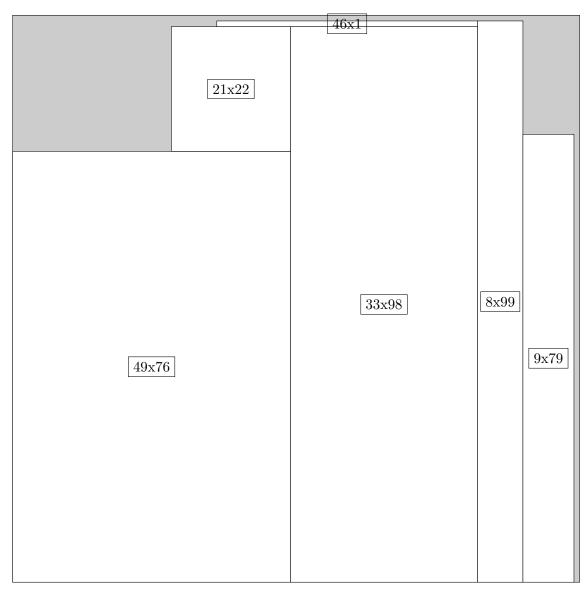
w =79, h =33, x =0, y =56, v =2607 w =19, h =2, x =81, y =0, v =38

w = 19, h = 36, x = 81, y = 2, v = 684

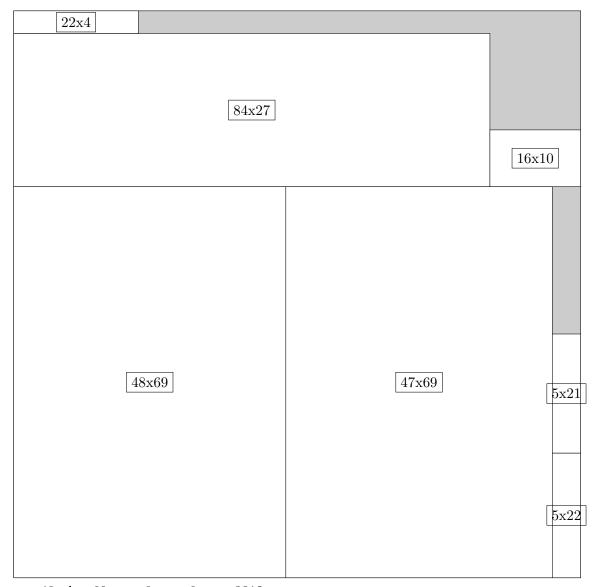
w =81, h =8, x =0, y =48, v =648

w =12 , h =41 , x =88 , y =38 , v =492

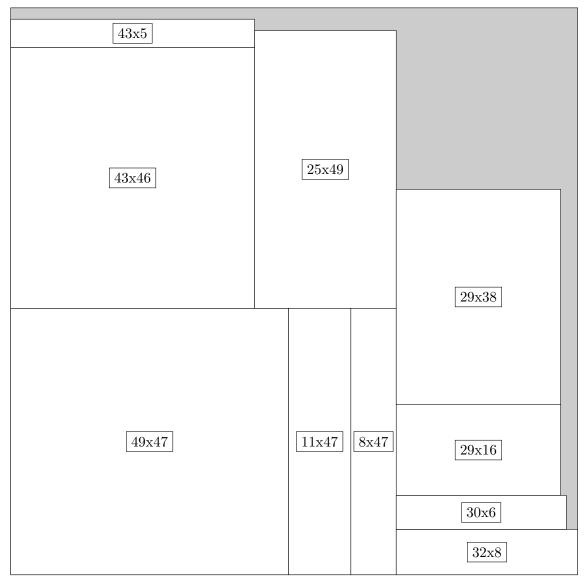
w = 7, h = 48, x = 81, y = 38, v = 336



 $\begin{array}{l} w = \! 49 \; , \; h = \! 76 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3724 \\ w = \! 33 \; , \; h = \! 98 \; , \; x = \! 49 \; , \; y = \! 0 \; , \; v = \! 3234 \\ w = \! 8 \; , \; h = \! 99 \; , \; x = \! 82 \; , \; y = \! 0 \; , \; v = \! 792 \\ w = \! 9 \; , \; h = \! 79 \; , \; x = \! 90 \; , \; y = \! 0 \; , \; v = \! 711 \\ w = \! 21 \; , \; h = \! 22 \; , \; x = \! 28 \; , \; y = \! 76 \; , \; v = \! 462 \\ w = \! 46 \; , \; h = \! 1 \; , \; x = \! 36 \; , \; y = \! 98 \; , \; v = \! 46 \end{array}$ 



$$\begin{array}{l} w = \! 48 \; , \, h = \! 69 \; , \, x = \! 0 \; , \, y = \! 0 \; , \, v = \! 3312 \\ w = \! 47 \; , \, h = \! 69 \; , \, x = \! 48 \; , \, y = \! 0 \; , \, v = \! 3243 \\ w = \! 84 \; , \, h = \! 27 \; , \, x = \! 0 \; , \, y = \! 69 \; , \, v = \! 2268 \\ w = \! 16 \; , \, h = \! 10 \; , \, x = \! 84 \; , \, y = \! 69 \; , \, v = \! 160 \\ w = \! 5 \; , \, h = \! 22 \; , \, x = \! 95 \; , \, y = \! 0 \; , \, v = \! 110 \\ w = \! 5 \; , \, h = \! 21 \; , \, x = \! 95 \; , \, y = \! 22 \; , \, v = \! 105 \\ w = \! 22 \; , \, h = \! 4 \; , \, x = \! 0 \; , \, y = \! 96 \; , \, v = \! 88 \end{array}$$



$$w = 49$$
,  $h = 47$ ,  $x = 0$ ,  $y = 0$ ,  $v = 2303$ 

$$w = 43$$
,  $h = 46$ ,  $x = 0$ ,  $y = 47$ ,  $v = 1978$ 

$$w$$
 =25 ,  $h$  =49 ,  $x$  =43 ,  $y$  =47 ,  $v$  =1225

$$w = 11$$
,  $h = 47$ ,  $x = 49$ ,  $y = 0$ ,  $v = 517$ 

$$w$$
 =29 ,  $h$  =16 ,  $x$  =68 ,  $y$  =14 ,  $v$  =464

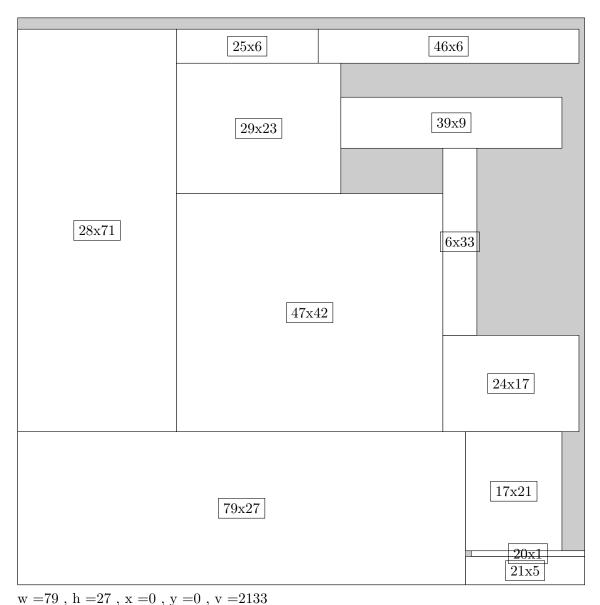
$$w$$
 =8 , h =47 , x =60 , y =0 , v =376

$$w = 32$$
,  $h = 8$ ,  $x = 68$ ,  $y = 0$ ,  $v = 256$ 

$$\le =43$$
 ,  $h$  =5 ,  $x$  =0 ,  $y$  =93 ,  $v$  =215

$$w = 30$$
,  $h = 6$ ,  $x = 68$ ,  $y = 8$ ,  $v = 180$ 

$$w$$
 =29 ,  $h$  =38 ,  $x$  =68 ,  $y$  =30 ,  $v$  =1102



$$w = 29$$
,  $h = 23$ ,  $x = 28$ ,  $y = 69$ ,  $v = 667$ 

$$\le =17$$
 , h =21 , x =79 , y =6 , v =357

$$w$$
 =39 ,  $h$  =9 ,  $x$  =57 ,  $y$  =77 ,  $v$  =351

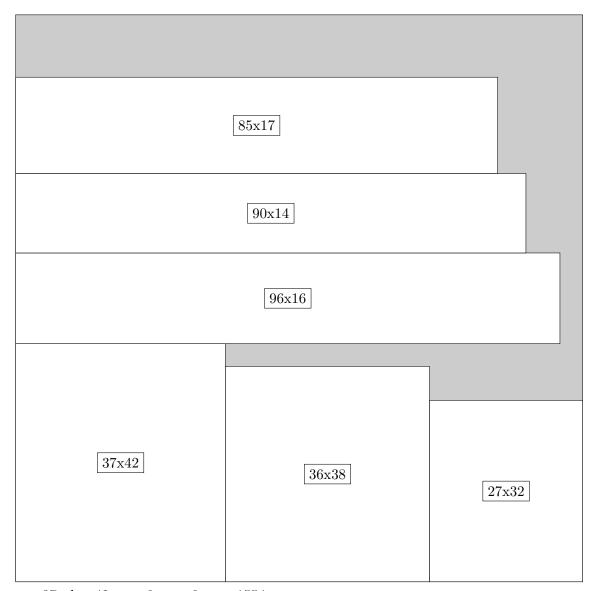
$$\le =46$$
 , h =6 , x =53 , y =92 , v =276

$$\mathbf{w}$$
 =6 , h =33 , x =75 , y =44 , v =198

$$w$$
 =25 , h =6 , x =28 , y =92 , v =150

$$\le =21$$
 , h =5 , x =79 , y =0 , v =105

$$w = 20$$
,  $h = 1$ ,  $x = 80$ ,  $y = 5$ ,  $v = 20$ 



$$w=\!37$$
 ,  $h=\!42$  ,  $x=\!0$  ,  $y=\!0$  ,  $v=\!1554$ 

$$\le =96$$
 ,  $h$  =16 ,  $x$  =0 ,  $y$  =42 ,  $v$  =1536

$$\le =85$$
 , h =17 , x =0 , y =72 , v =1445

$$\le =36$$
 , h =38 , x =37 , y =0 , v =1368

$$\le =90$$
 , h =14 , x =0 , y =58 , v =1260

$$w$$
 =27 , h =32 , x =73 , y =0 , v =864