$ClassName: \ Class\_10.2bp-25$ 

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

TypeNum: <u>60</u> Num: <u>60</u> OutS: <u>130000</u> InS: <u>111378</u> Rate: <u>0.857</u> UB: <u>13</u> LB0: <u>13</u>

LB:  $\underline{\mathbf{13}}$ LBWithCut:  $\underline{\mathbf{13}}$ NodeCut:  $\underline{\mathbf{0}}$ 

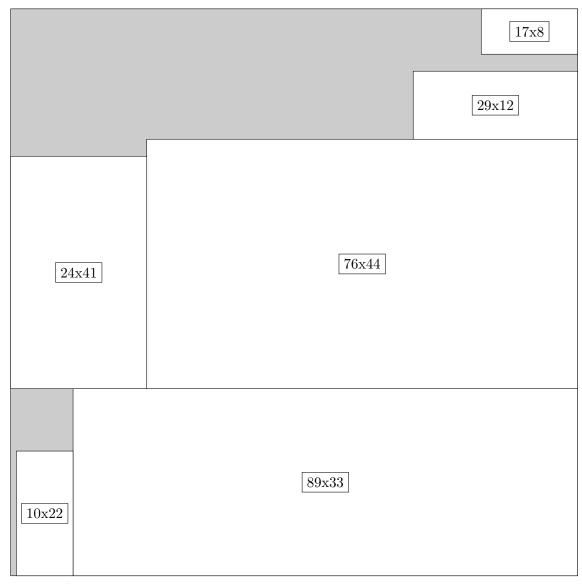
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{13}}$ 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: 600.328 s



$$\le =89$$
 , h =33 , x =11 , y =0 , v =2937

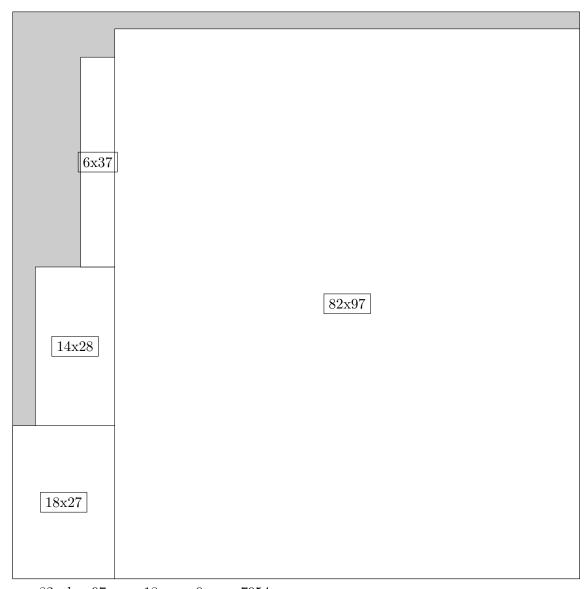
$$\le =10$$
 ,  $h$  =22 ,  $x$  =1 ,  $y$  =0 ,  $v$  =220

$$\le =76$$
 , h =44 , x =24 , y =33 , v =3344

$$w$$
 =29 , h =12 , x =71 , y =77 , v =348

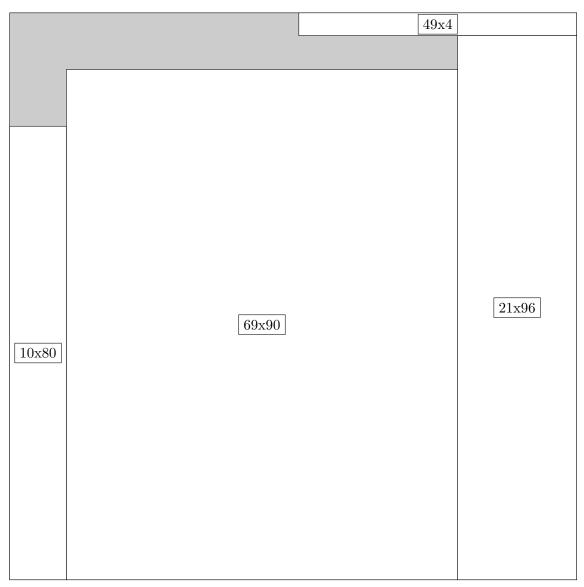
$$w$$
 =24 , h =41 , x =0 , y =33 , v =984

$$\le =17$$
 ,  $h=8$  ,  $x=83$  ,  $y=92$  ,  $v=136$ 



$$\begin{array}{l} w = \! 82 \; , \; h = \! 97 \; , \; x = \! 18 \; , \; y = \! 0 \; , \; v = \! 7954 \\ w = \! 18 \; , \; h = \! 27 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 486 \\ w = \! 14 \; , \; h = \! 28 \; , \; x = \! 4 \; , \; y = \! 27 \; , \; v = \! 392 \end{array}$$

 $\mathbf{w}$  =6 , h =37 , x =12 , y =55 , v =222

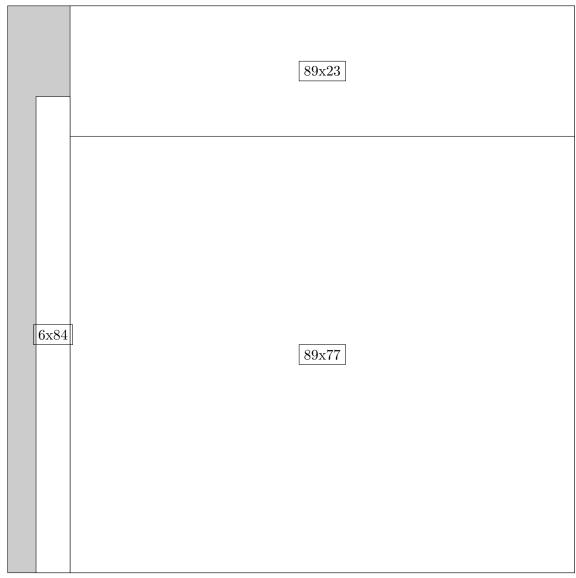


$$\mathbf{w}$$
 =21 , h =96 , x =79 , y =0 , v =2016

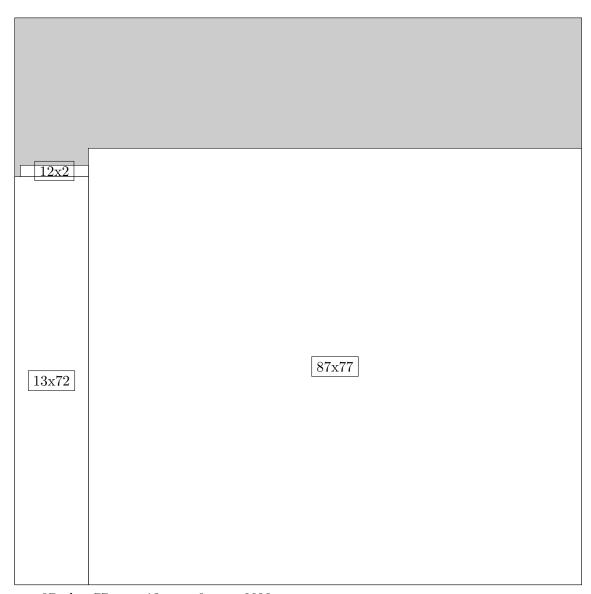
$$\le =69$$
 , h =90 , x =10 , y =0 , v =6210

$$\le =10$$
 ,  $h$  =80 ,  $x$  =0 ,  $y$  =0 ,  $v$  =800

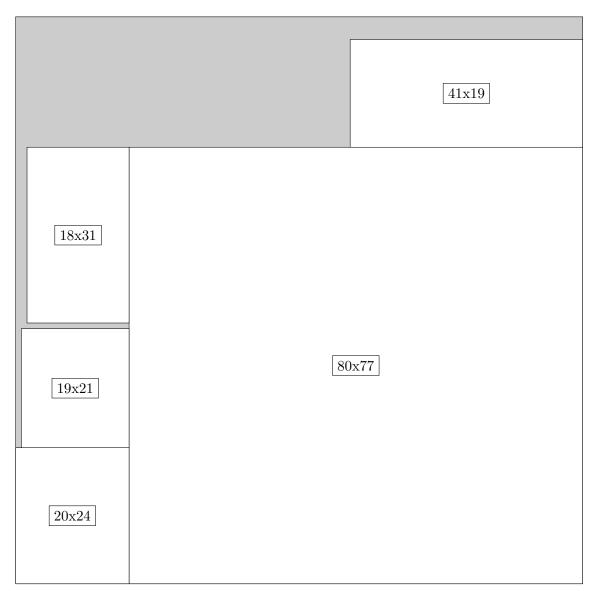
$$\mathbf{w}=\!\!49$$
 ,  $\mathbf{h}=\!\!4$  ,  $\mathbf{x}=\!\!51$  ,  $\mathbf{y}=\!\!96$  ,  $\mathbf{v}=\!\!196$ 



 $\begin{array}{l} w = \! 89 \; , \; h = \! 77 \; , \; x = \! 11 \; , \; y = \! 0 \; , \; v = \! 6853 \\ w = \! 89 \; , \; h = \! 23 \; , \; x = \! 11 \; , \; y = \! 77 \; , \; v = \! 2047 \\ w = \! 6 \; , \; h = \! 84 \; , \; x = \! 5 \; , \; y = \! 0 \; , \; v = \! 504 \end{array}$ 



$$\begin{array}{l} w = \! 87 \ , \ h = \! 77 \ , \ x = \! 13 \ , \ y = \! 0 \ , \ v = \! 6699 \\ w = \! 13 \ , \ h = \! 72 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 936 \\ w = \! 12 \ , \ h = \! 2 \ , \ x = \! 1 \ , \ y = \! 72 \ , \ v = \! 24 \end{array}$$



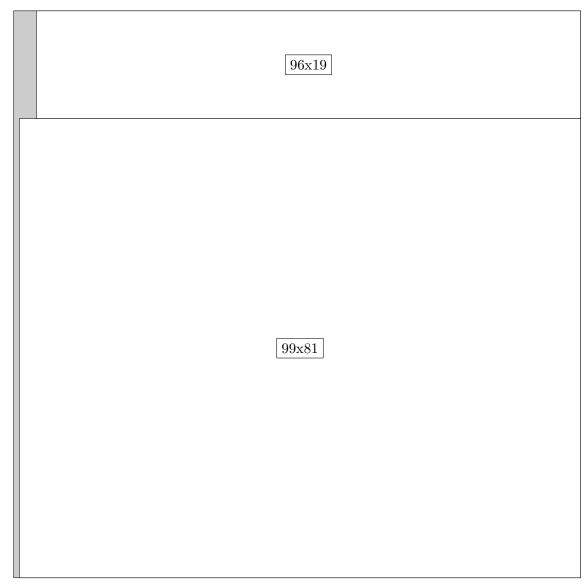
$$\mathbf{w}$$
 =80 , h =77 , x =20 , y =0 , v =6160

$$w = 20$$
,  $h = 24$ ,  $x = 0$ ,  $y = 0$ ,  $v = 480$ 

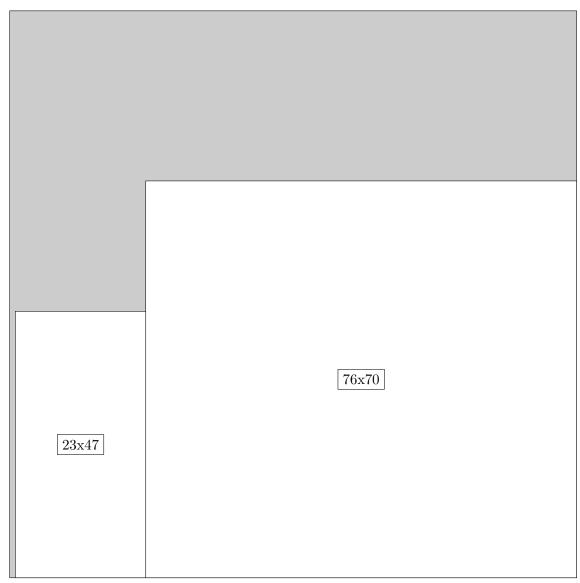
$$\le =19$$
 , h =21 , x =1 , y =24 , v =399

$$\le =18$$
 , h =31 , x =2 , y =46 , v =558

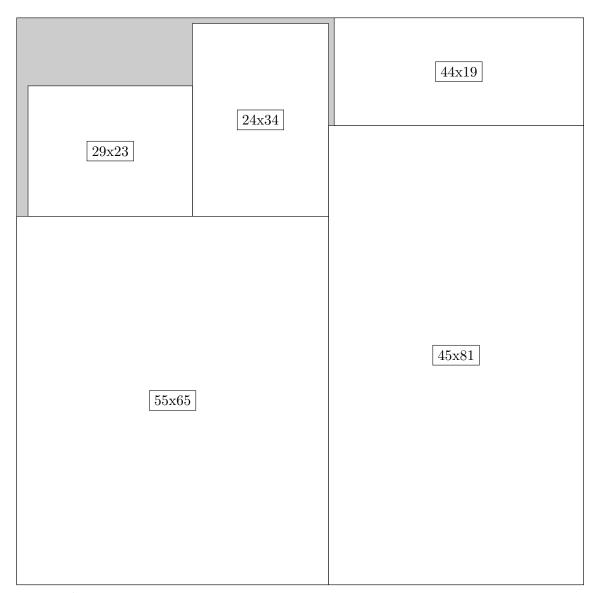
$$\le =41$$
 ,  $h$  =19 ,  $x$  =59 ,  $y$  =77 ,  $v$  =779



$$\begin{array}{l} w = \! 99 \ , \ h = \! 81 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 8019 \\ w = \! 96 \ , \ h = \! 19 \ , \ x = \! 4 \ , \ y = \! 81 \ , \ v = \! 1824 \end{array}$$



$$\begin{array}{l} w = \! 76 \ , \ h = \! 70 \ , \ x = \! 24 \ , \ y = \! 0 \ , \ v = \! 5320 \\ w = \! 23 \ , \ h = \! 47 \ , \ x = \! 1 \ , \ y = \! 0 \ , \ v = \! 1081 \end{array}$$



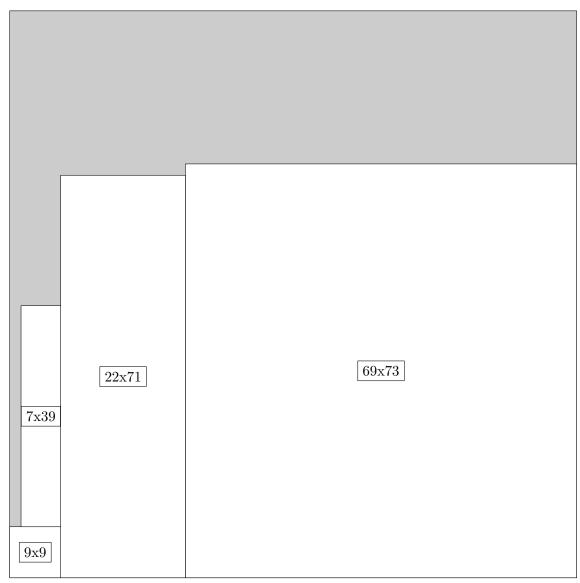
$$\le =45$$
 ,  $h=81$  ,  $x=55$  ,  $y=0$  ,  $v=3645$ 

$$\le =44$$
 ,  $h=19$  ,  $x=\!56$  ,  $y=\!81$  ,  $v=\!836$ 

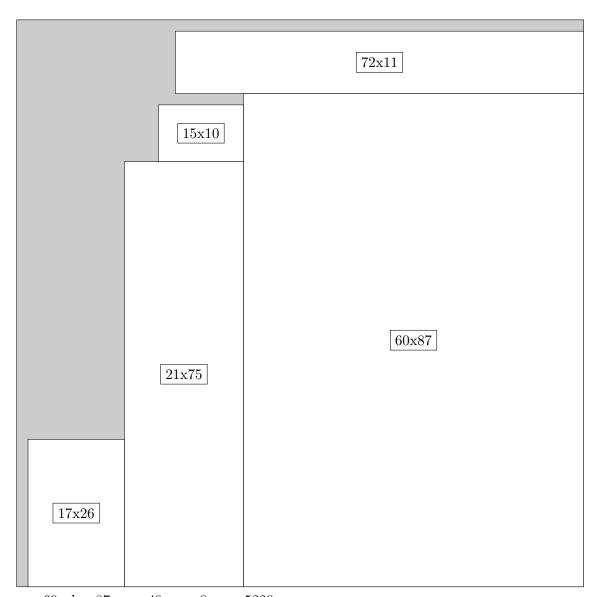
$$\le =55$$
 ,  $h=65$  ,  $x=0$  ,  $y=0$  ,  $v=3575$ 

$$\le =24$$
 , h =34 , x =31 , y =65 , v =816

$$w = 29$$
,  $h = 23$ ,  $x = 2$ ,  $y = 65$ ,  $v = 667$ 

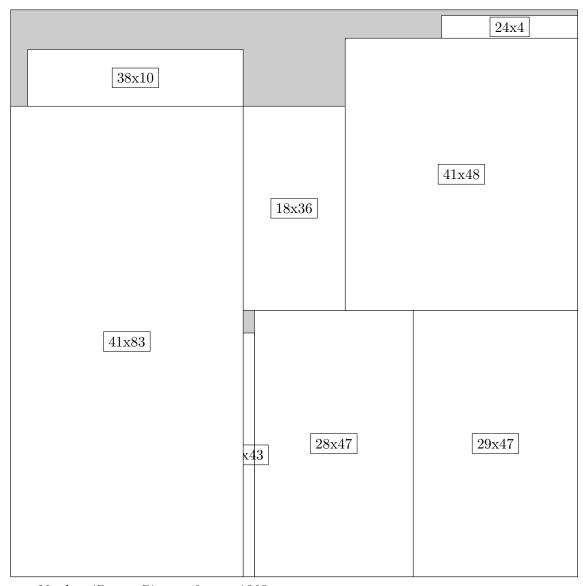


$$\begin{array}{l} w=69 \ , \ h=73 \ , \ x=31 \ , \ y=0 \ , \ v=5037 \\ w=22 \ , \ h=71 \ , \ x=9 \ , \ y=0 \ , \ v=1562 \\ w=9 \ , \ h=9 \ , \ x=0 \ , \ y=0 \ , \ v=81 \\ w=7 \ , \ h=39 \ , \ x=2 \ , \ y=9 \ , \ v=273 \end{array}$$



$$\begin{array}{l} w = \! 60 \ , \ h = \! 87 \ , \ x = \! 40 \ , \ y = \! 0 \ , \ v = \! 5220 \\ w = \! 21 \ , \ h = \! 75 \ , \ x = \! 19 \ , \ y = \! 0 \ , \ v = \! 1575 \end{array}$$

$$\le =17$$
 , h =26 , x =2 , y =0 , v =442



$$w = 29$$
,  $h = 47$ ,  $x = 71$ ,  $y = 0$ ,  $v = 1363$ 

$$w=\!28$$
 ,  $h=\!47$  ,  $x=\!43$  ,  $y=\!0$  ,  $v=\!1316$ 

$$w=2$$
 ,  $h=\!43$  ,  $x=\!41$  ,  $y=\!0$  ,  $v=\!86$ 

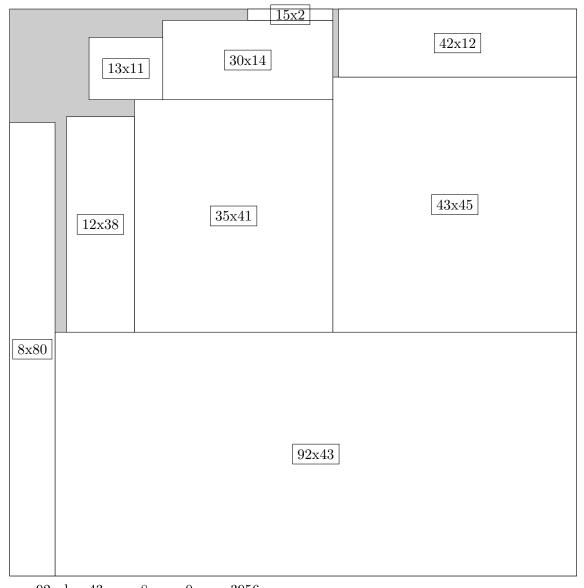
$$w = 41$$
,  $h = 48$ ,  $x = 59$ ,  $y = 47$ ,  $v = 1968$ 

$$w=\!24$$
 ,  $h=\!4$  ,  $x=\!76$  ,  $y=\!95$  ,  $v=\!96$ 

$$w=\!18$$
 ,  $h=\!36$  ,  $x=\!41$  ,  $y=\!47$  ,  $v=\!648$ 

$$\mathbf{w}$$
 =41 , h =83 , x =0 , y =0 , v =3403

$$\le =38$$
 ,  $h=10$  ,  $x=3$  ,  $y=83$  ,  $v=380$ 



$$\begin{array}{l} w = 92 \; , \; h = 43 \; , \; x = 8 \; , \; y = 0 \; , \; v = 3956 \\ w = 43 \; , \; h = 45 \; , \; x = 57 \; , \; y = 43 \; , \; v = 1935 \\ w = 42 \; , \; h = 12 \; , \; x = 58 \; , \; y = 88 \; , \; v = 504 \\ w = 35 \; , \; h = 41 \; , \; x = 22 \; , \; y = 43 \; , \; v = 1435 \\ w = 12 \; , \; h = 38 \; , \; x = 10 \; , \; y = 43 \; , \; v = 456 \\ w = 30 \; , \; h = 14 \; , \; x = 27 \; , \; y = 84 \; , \; v = 420 \\ w = 15 \; , \; h = 2 \; , \; x = 42 \; , \; y = 98 \; , \; v = 30 \\ w = 13 \; , \; h = 11 \; , \; x = 14 \; , \; y = 84 \; , \; v = 143 \\ w = 8 \; , \; h = 80 \; , \; x = 0 \; , \; y = 0 \; , \; v = 640 \\ \end{array}$$