${\bf ClassName:}\ {\bf Class\_08.2bp\text{-}12}$ 

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

TypeNum: <u>40</u>
Num: <u>40</u>
OutS: <u>110000</u>
InS: <u>89243</u>
Rate: <u>0.811</u>
UB: <u>11</u>
LB0: <u>11</u>

LB: <u>11</u>
LBWithCut

LBWithCut:  $\underline{\mathbf{11}}$ NodeCut:  $\underline{\mathbf{0}}$ 

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

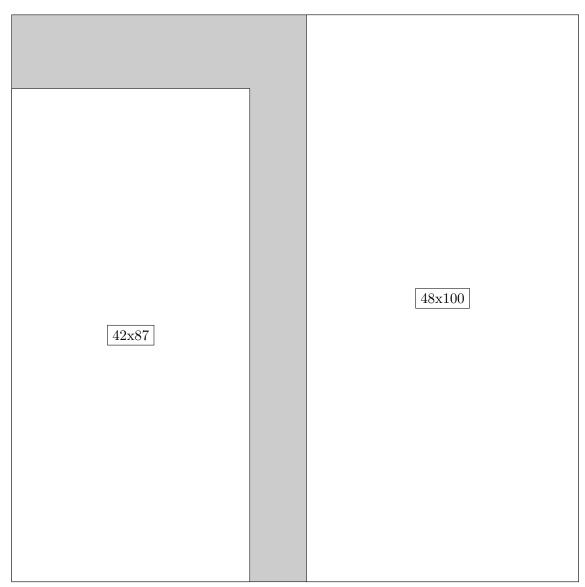
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{11}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

isOpt: **true** 

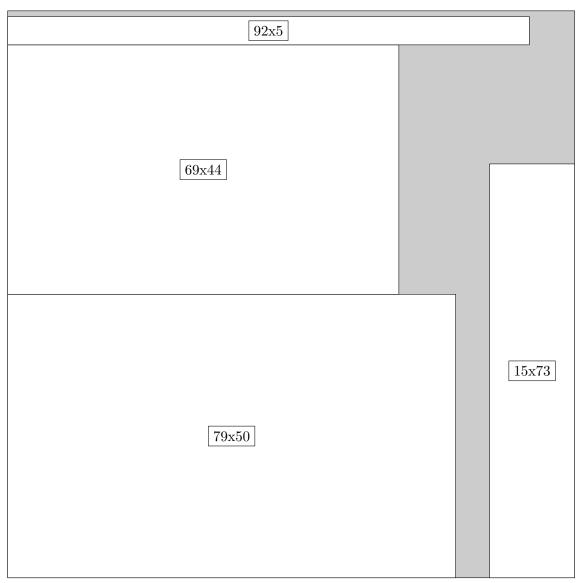
 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.040 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.063 \ s} \\ {\rm TotalTime:} \ \underline{0.165 \ s} \end{array}$ 



$$\begin{array}{l} w = \! 96 \ , \ h = \! 49 \ , \ x = \! 0 \ , \ y = \! 51 \ , \ v = \! 4704 \\ w = \! 75 \ , \ h = \! 51 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3825 \end{array}$$



w =48, h =100, x =52, y =0, v =4800 w =42, h =87, x =0, y =0, v =3654

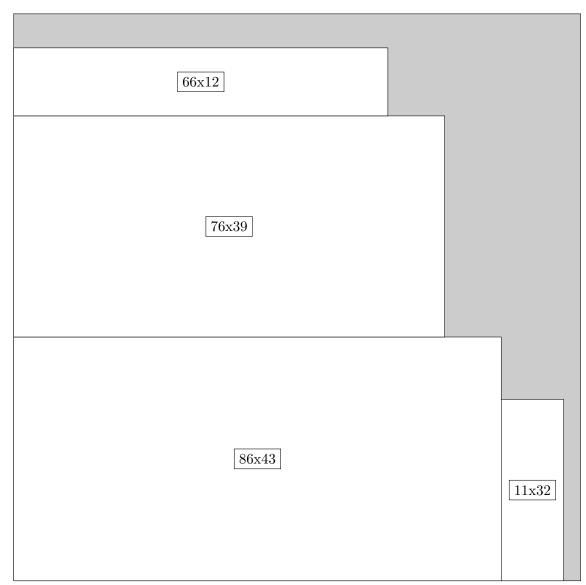


$$\mathbf{w}$$
 =79 , h =50 , x =0 , y =0 , v =3950

$$\le =69$$
 , h =44 , x =0 , y =50 , v =3036

$$\le =15$$
 , h =73 , x =85 , y =0 , v =1095

$$w=92$$
 ,  $h=5$  ,  $x=0$  ,  $y=94$  ,  $v=460$ 

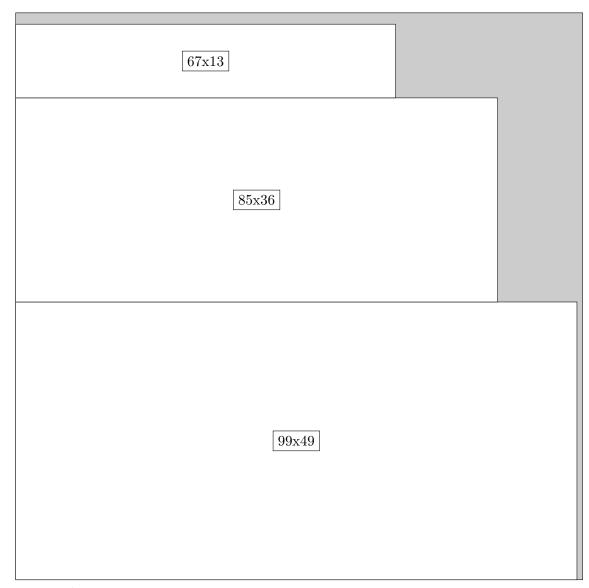


$$\le =86$$
 , h =43 , x =0 , y =0 , v =3698

$$\le =76$$
 , h =39 , x =0 , y =43 , v =2964

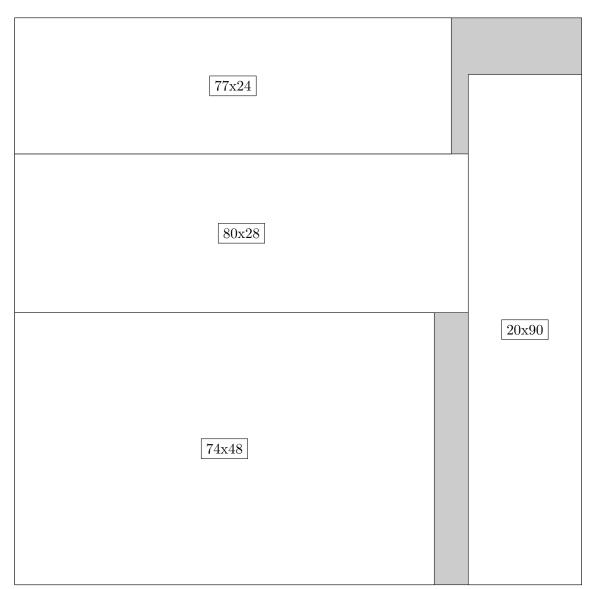
$$\le =66$$
 , h =12 , x =0 , y =82 , v =792

$$\le =11$$
 , h =32 , x =86 , y =0 , v =352



$$\begin{array}{l} w = \! 99 \ , \ h = \! 49 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4851 \\ w = \! 85 \ , \ h = \! 36 \ , \ x = \! 0 \ , \ y = \! 49 \ , \ v = \! 3060 \end{array}$$

$$w = 67$$
 ,  $h = 13$  ,  $x = 0$  ,  $y = 85$  ,  $v = 871$ 



$$\mathbf{w}$$
 =74 , h =48 , x =0 , y =0 , v =3552

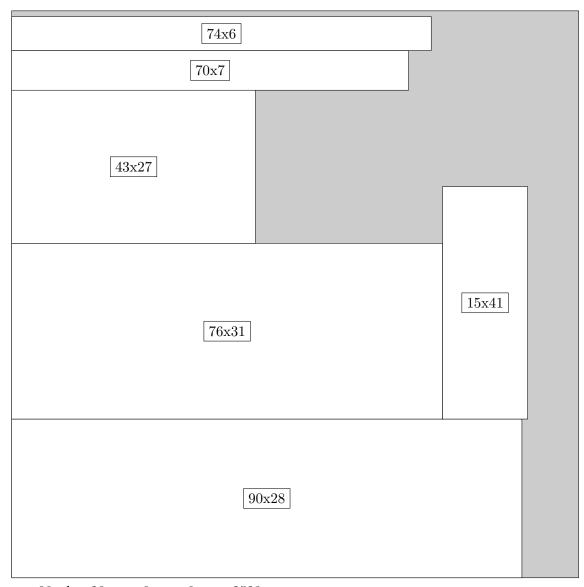
$$\le =80$$
 , h =28 , x =0 , y =48 , v =2240

$$\le =77$$
 , h =24 , x =0 , y =76 , v =1848

$$\le =20$$
 , h =90 , x =80 , y =0 , v =1800



$$\begin{array}{l} w = 99 \ , \ h = 47 \ , \ x = 0 \ , \ y = 0 \ , \ v = 4653 \\ w = 99 \ , \ h = 25 \ , \ x = 0 \ , \ y = 47 \ , \ v = 2475 \\ w = 78 \ , \ h = 22 \ , \ x = 0 \ , \ y = 72 \ , \ v = 1716 \end{array}$$



$$\le =90$$
 ,  $h=28$  ,  $x=0$  ,  $y=0$  ,  $v=2520$ 

$$\mathbf{w}$$
 =76 , h =31 , x =0 , y =28 , v =2356

$$\le =43$$
 , h =27 , x =0 , y =59 , v =1161

$$\mathbf{w}$$
 =70 , h =7 , x =0 , y =86 , v =490

$$w$$
 =15 , h =41 , x =76 , y =28 , v =615

$$\mathbf{w}$$
 =74 , h =6 , x =0 , y =93 , v =444

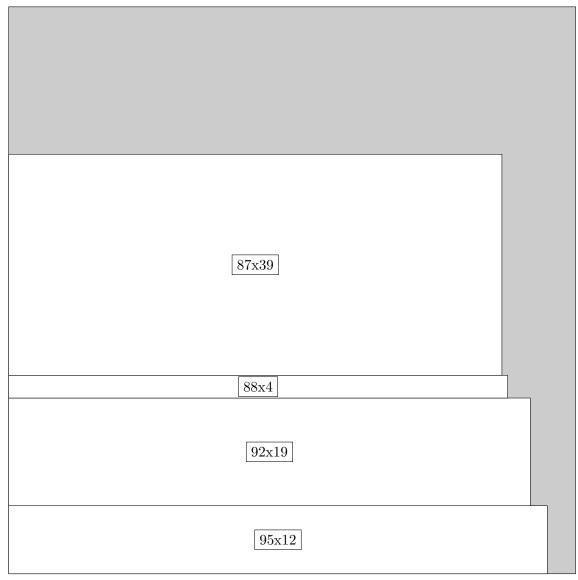


$$\le =95$$
 ,  $h=36$  ,  $x=0$  ,  $y=0$  ,  $v=3420$ 

$$\le =87$$
 , h =27 , x =0 , y =36 , v =2349

$$\le =70$$
 , h =22 , x =0 , y =64 , v =1540

$$\mathbf{w}$$
 =73 , h =1 , x =0 , y =63 , v =73

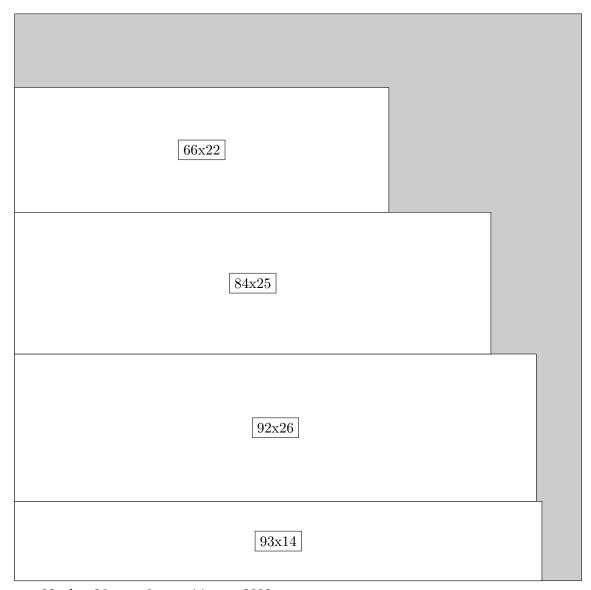


$$\le =87$$
 , h =39 , x =0 , y =35 , v =3393

$$\le =92$$
 , h =19 , x =0 , y =12 , v =1748

$$\le =95$$
 , h =12 , x =0 , y =0 , v =1140

$$\le =88$$
 , h =4 , x =0 , y =31 , v =352



$$\le =92$$
 , h =26 , x =0 , y =14 , v =2392

$$\le =84$$
 ,  $h$  =25 ,  $x$  =0 ,  $y$  =40 ,  $v$  =2100

$$\le =66$$
 , h =22 , x =0 , y =65 , v =1452

$$\le =93$$
 ,  $h=14$  ,  $x=0$  ,  $y=0$  ,  $v=1302$