${\bf ClassName:}~{\bf Class_08.2bp\text{-}32}$

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>210000</u> InS: <u>173150</u> Rate: <u>0.825</u> UB: <u>21</u>

LB0: <u>21</u> LB: <u>21</u>

LBWithCut: $\underline{\mathbf{21}}$ NodeCut: $\underline{\mathbf{0}}$

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

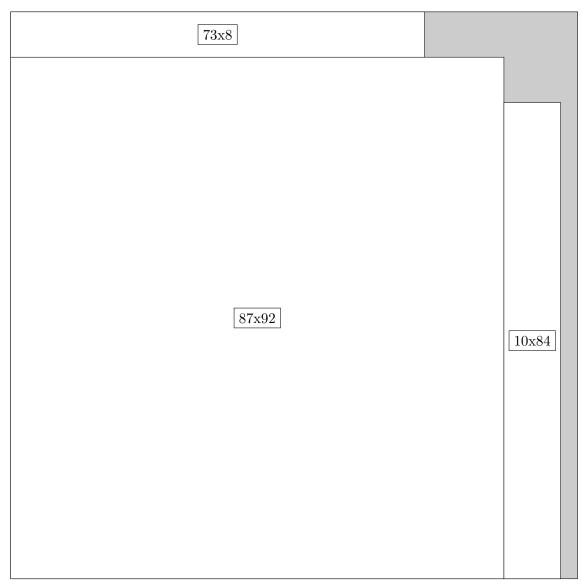
GenNodeCnt: $\underline{1}$ PrimalNode: $\underline{0}$ ColumnCount: $\underline{177}$ TotalCutCount: $\underline{0}$ RootCutCount: $\underline{0}$ LPSolverCnt: $\underline{157}$ PricingSolverCnt: $\underline{157}$

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

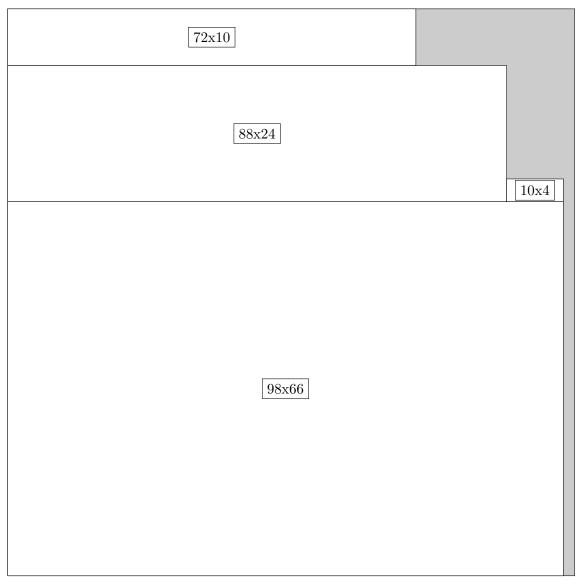
isOpt: $\underline{\mathbf{true}}$

TimeOnInitSolution: $\underline{120.010 \text{ s}}$

TimeOnPrimal: 0.000 sTimeOnPricing: 17.986 sTimeOnRmp: 0.156 sTotalTime: 138.246 s



$$\begin{array}{l} w = \! 87 \; , \; h = \! 92 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 8004 \\ w = \! 10 \; , \; h = \! 84 \; , \; x = \! 87 \; , \; y = \! 0 \; , \; v = \! 840 \\ w = \! 73 \; , \; h = \! 8 \; , \; x = \! 0 \; , \; y = \! 92 \; , \; v = \! 584 \end{array}$$

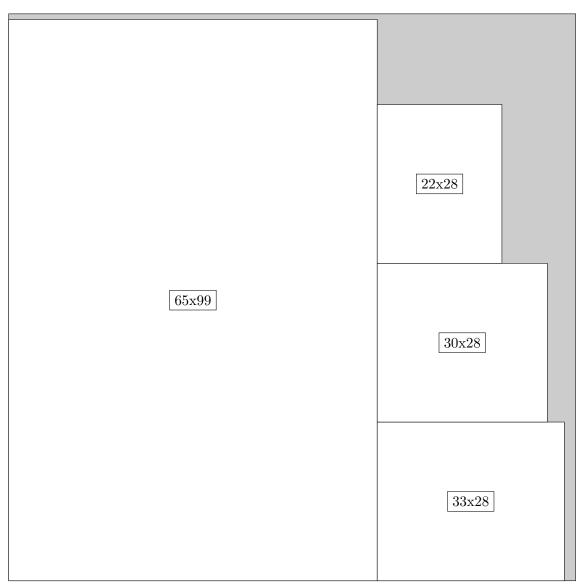


$$\le =98$$
 , h =66 , x =0 , y =0 , v =6468

$$\le =88$$
 , h =24 , x =0 , y =66 , v =2112

$$\le =72$$
 , h =10 , x =0 , y =90 , v =720

$$w=\!10$$
 , $h=\!\!4$, $x=\!\!88$, $y=\!\!66$, $v=\!\!40$

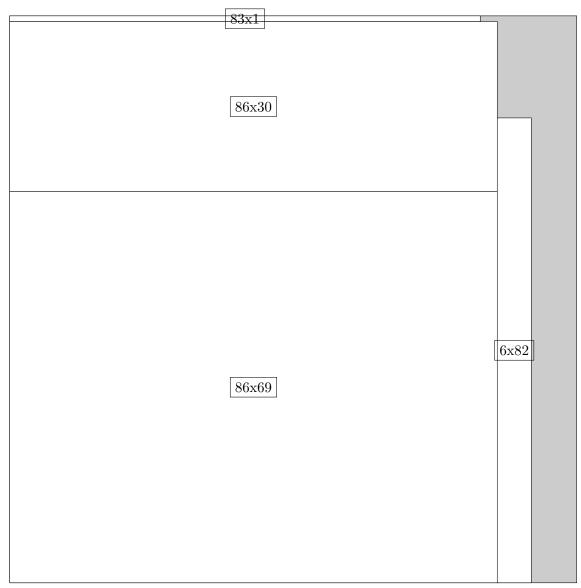


$$\le =65$$
 , $h=99$, $x=0$, $y=0$, $v=6435$

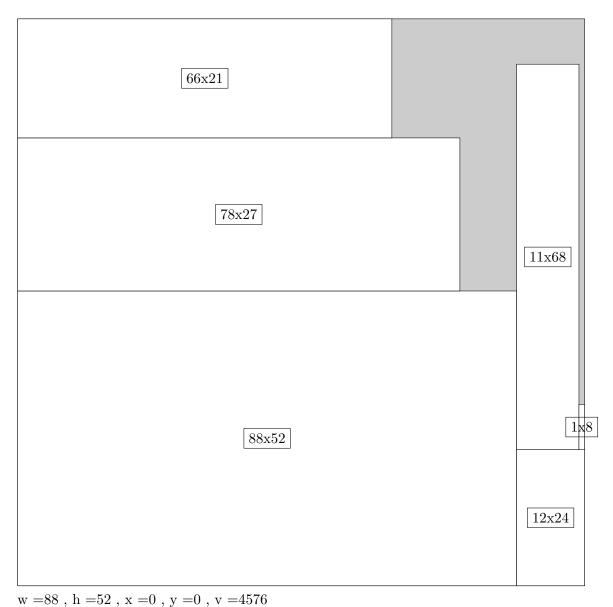
$$\le =33$$
 , h =28 , x =65 , y =0 , v =924

$$\le =30$$
 , h =28 , x =65 , y =28 , v =840

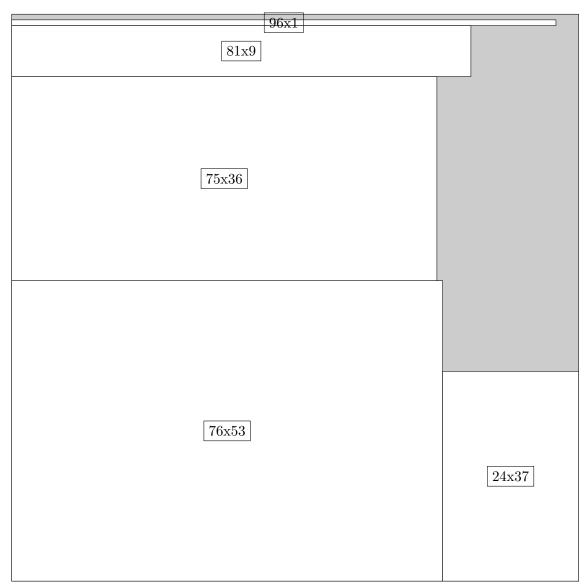
$$\le =22$$
 , h =28 , x =65 , y =56 , v =616



$$\begin{array}{l} w = \!\!86 \ , \ h = \!\!69 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!5934 \\ w = \!\!86 \ , \ h = \!\!30 \ , \ x = \!\!0 \ , \ y = \!\!69 \ , \ v = \!\!2580 \\ w = \!\!6 \ , \ h = \!\!82 \ , \ x = \!\!86 \ , \ y = \!\!0 \ , \ v = \!\!492 \\ w = \!\!83 \ , \ h = \!\!1 \ , \ x = \!\!0 \ , \ y = \!\!99 \ , \ v = \!\!83 \end{array}$$



$$\begin{array}{l} w = & 12 \ , \ h = & 24 \ , \ x = & 88 \ , \ y = & 0 \ , \ v = & 288 \\ w = & 1 \ , \ h = & 8 \ , \ x = & 99 \ , \ y = & 24 \ , \ v = & 8 \end{array}$$



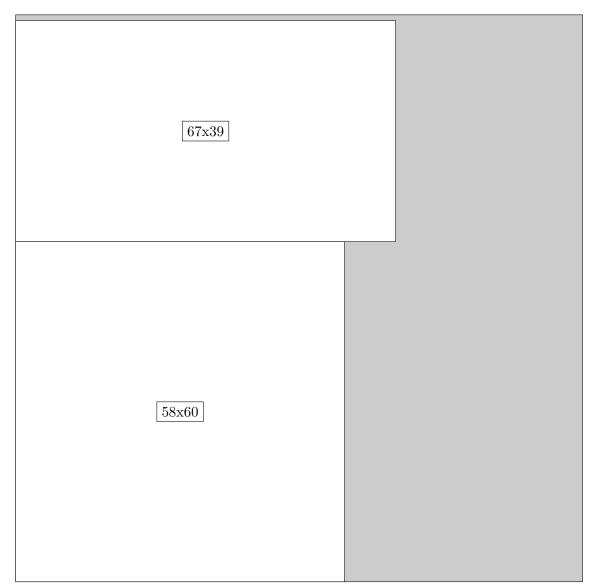
$$\mathbf{w}$$
 =76 , h =53 , x =0 , y =0 , v =4028

$$w$$
 =75 , h =36 , x =0 , y =53 , v =2700

$$\le =24$$
 , h =37 , x =76 , y =0 , v =888

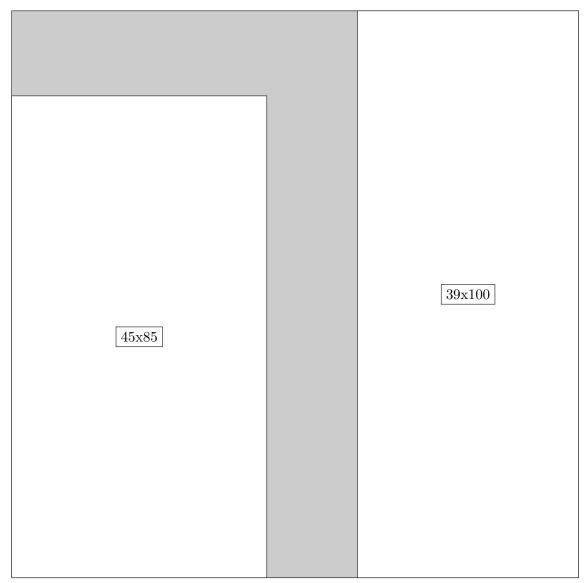
$$\le =81$$
 , h =9 , x =0 , y =89 , v =729

$$\mathbf{w}$$
 =96 , h =1 , x =0 , y =98 , v =96





$$\begin{array}{l} w = \! 93 \ , \ h = \! 48 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4464 \\ w = \! 88 \ , \ h = \! 32 \ , \ x = \! 0 \ , \ y = \! 48 \ , \ v = \! 2816 \\ w = \! 88 \ , \ h = \! 20 \ , \ x = \! 0 \ , \ y = \! 80 \ , \ v = \! 1760 \end{array}$$



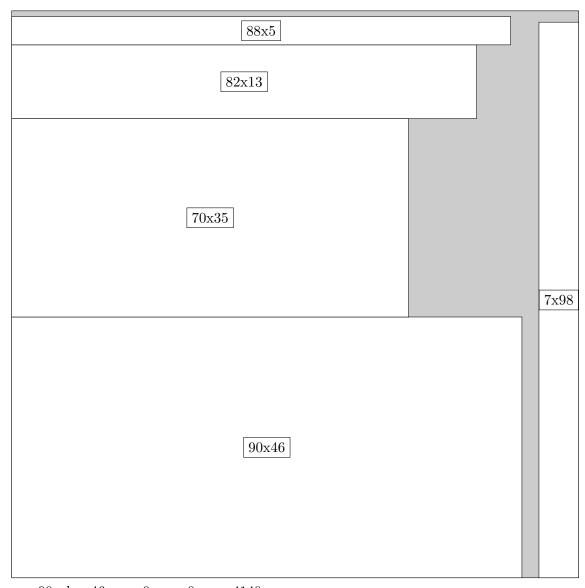
 $\begin{array}{l} w = 39 \ , \ h = \! 100 \ , \ x = \! 61 \ , \ y = \! 0 \ , \ v = \! 3900 \\ w = \! 45 \ , \ h = \! 85 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3825 \end{array}$

73x42	
87x4	
87x6	
87x48	

$$\begin{array}{l} w = \!\!87 \ , \ h = \!\!48 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!4176 \\ w = \!\!73 \ , \ h = \!\!42 \ , \ x = \!\!0 \ , \ y = \!\!58 \ , \ v = \!\!3066 \end{array}$$

$$\le =87$$
 , h =6 , x =0 , y =48 , v =522

$$w = 87$$
, $h = 4$, $x = 0$, $y = 54$, $v = 348$



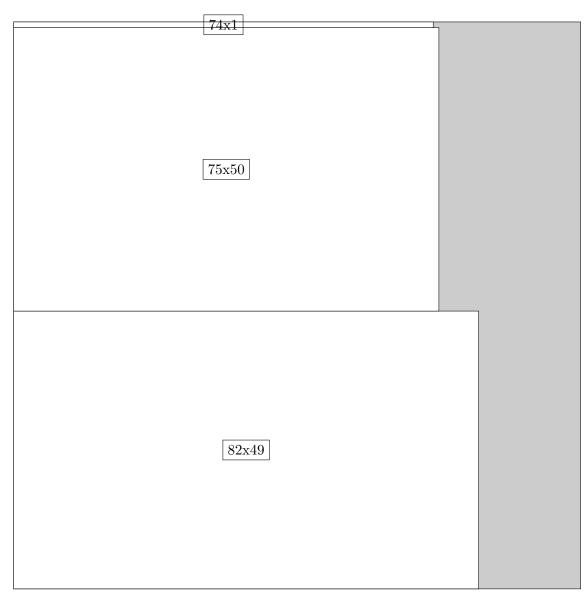
$$\le =90$$
 , h =46 , x =0 , y =0 , v =4140

$$\le =70$$
 , h =35 , x =0 , y =46 , v =2450

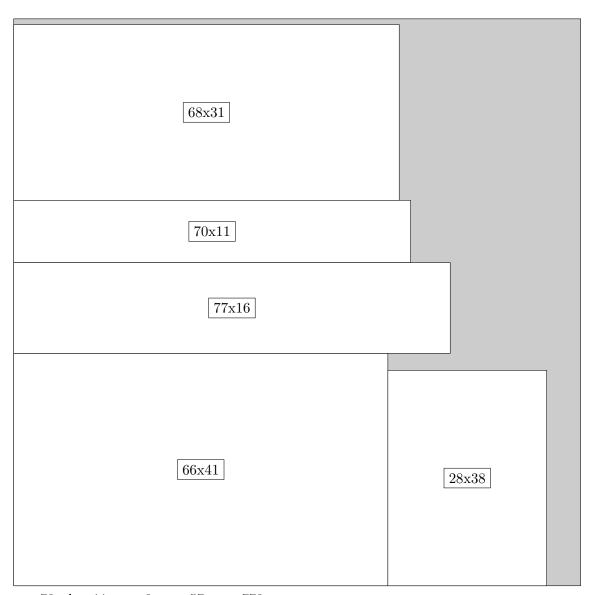
$$\le =82$$
 , h =13 , x =0 , y =81 , v =1066

$$\mathbf{w}$$
 =7 , h =98 , x =93 , y =0 , v =686

$$w = 88$$
, $h = 5$, $x = 0$, $y = 94$, $v = 440$



$$\begin{array}{l} w = & 82 \ , \ h = & 49 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 4018 \\ w = & 75 \ , \ h = & 50 \ , \ x = & 0 \ , \ y = & 49 \ , \ v = & 3750 \\ w = & 74 \ , \ h = & 1 \ , \ x = & 0 \ , \ y = & 99 \ , \ v = & 74 \end{array}$$



$$w$$
 =70 , h =11 , x =0 , y =57 , v =770

$$\le =66$$
 , h =41 , x =0 , y =0 , v =2706

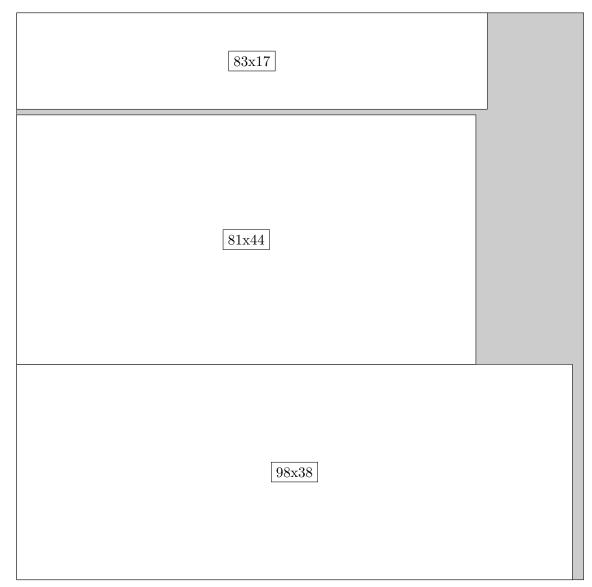
$$\le =68$$
 , h =31 , x =0 , y =68 , v =2108

$$\mathbf{w}$$
 =77 , h =16 , x =0 , y =41 , v =1232

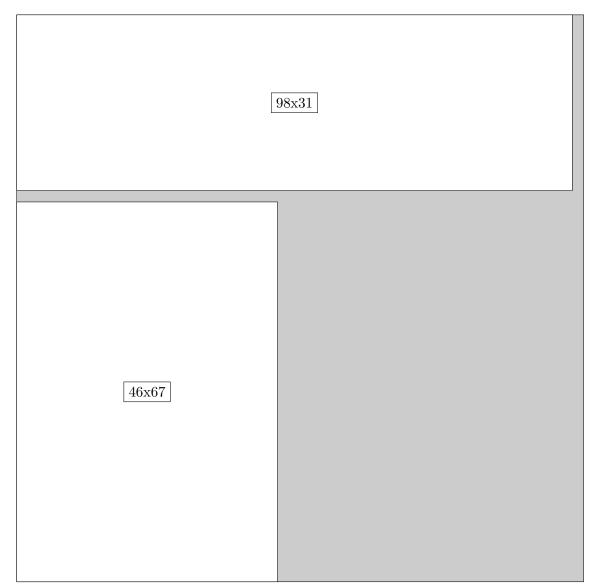
$$\le =28$$
 , h =38 , x =66 , y =0 , v =1064

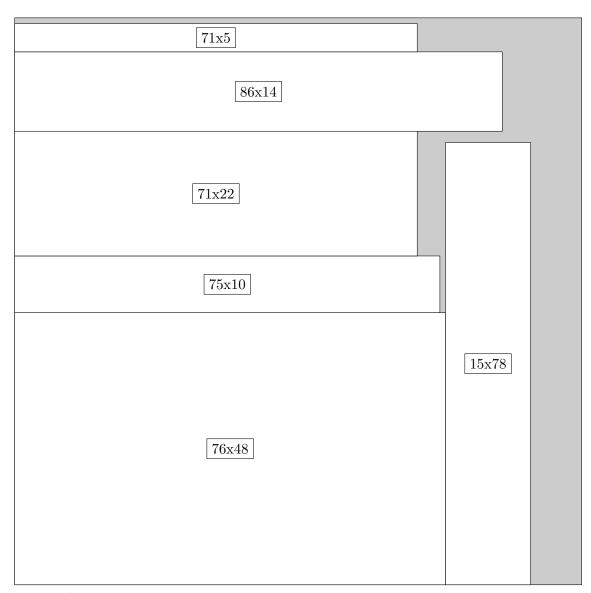


$$\begin{array}{l} w = \! 98 \; , \; h = \! 40 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3920 \\ w = \! 100 \; , \; h = \! 39 \; , \; x = \! 0 \; , \; y = \! 61 \; , \; v = \! 3900 \\ w = \! 93 \; , \; h = \! 21 \; , \; x = \! 0 \; , \; y = \! 40 \; , \; v = \! 1953 \end{array}$$



$$\begin{array}{l} w = \! 98 \ , \ h = \! 38 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3724 \\ w = \! 81 \ , \ h = \! 44 \ , \ x = \! 0 \ , \ y = \! 38 \ , \ v = \! 3564 \\ w = \! 83 \ , \ h = \! 17 \ , \ x = \! 0 \ , \ y = \! 83 \ , \ v = \! 1411 \end{array}$$





$$\mathbf{w}$$
 =76 , h =48 , x =0 , y =0 , v =3648

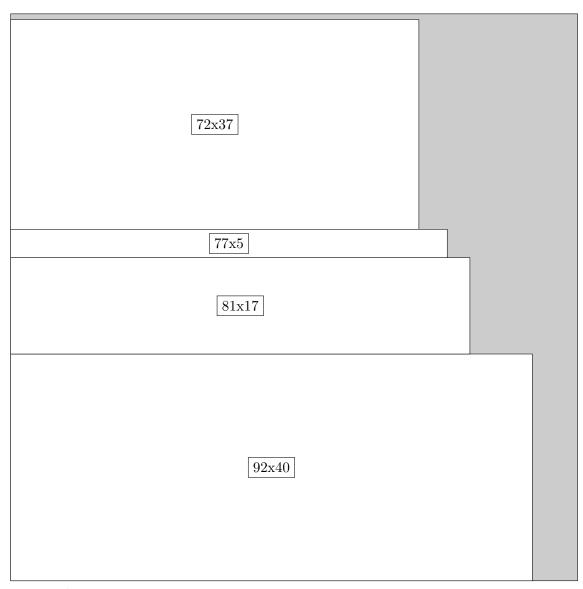
$$\le =75$$
 , h =10 , x =0 , y =48 , v =750

$$\le =71$$
 , h =22 , x =0 , y =58 , v =1562

$$\le =86$$
 , $h=14$, $x=0$, $y=80$, $v=1204$

$$\mathbf{w}$$
 =15 , h =78 , x =76 , y =0 , v =1170

$$w$$
 =71 , h =5 , x =0 , y =94 , v =355

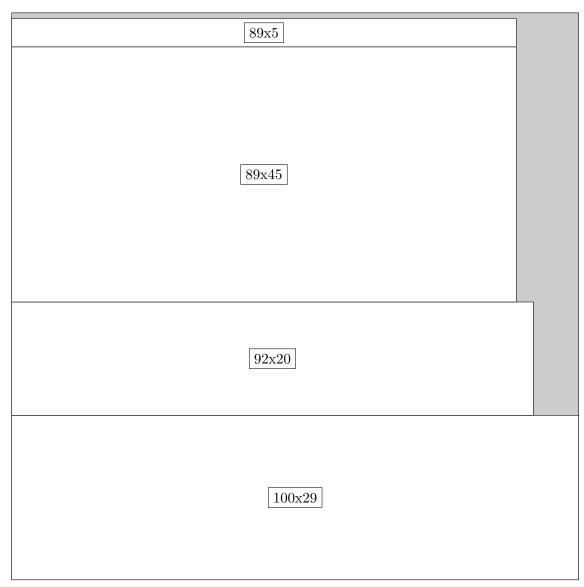


$$w$$
 =92 , h =40 , x =0 , y =0 , v =3680

$$\le =72$$
 , h =37 , x =0 , y =62 , v =2664

$$\le =81$$
 , h =17 , x =0 , y =40 , v =1377

$$\le =77$$
 , h =5 , x =0 , y =57 , v =385

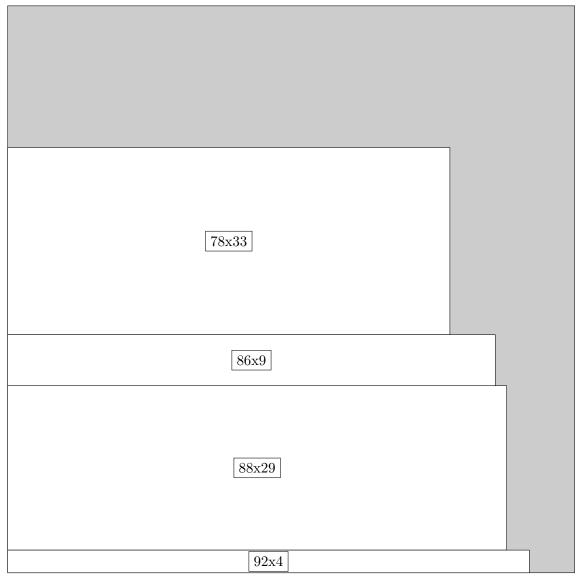


$$\mathbf{w}$$
 =100 , h =29 , x =0 , y =0 , v =2900

$$\le =92$$
 , h =20 , x =0 , y =29 , v =1840

$$\le =89$$
 , h =45 , x =0 , y =49 , v =4005

$$\le =89$$
 , h =5 , x =0 , y =94 , v =445

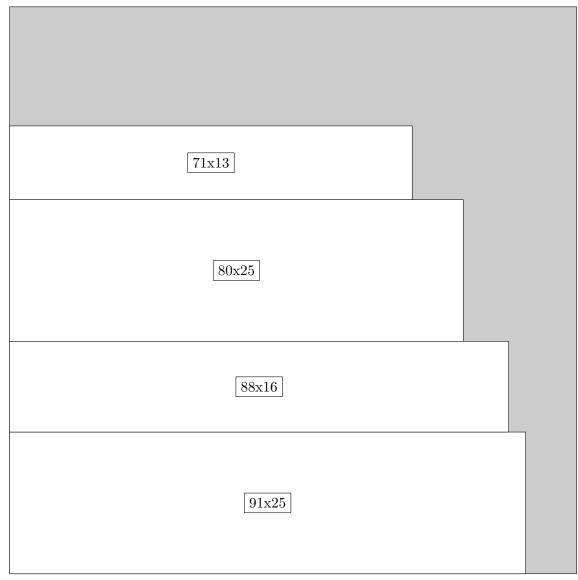


$$\le =78$$
 , h =33 , x =0 , y =42 , v =2574

$$\le =88$$
 , h =29 , x =0 , y =4 , v =2552

$$\le =86$$
 , h =9 , x =0 , y =33 , v =774

$$\le =92$$
 , h =4 , x =0 , y =0 , v =368



$$\le =91$$
 , h =25 , x =0 , y =0 , v =2275

$$\le =80$$
 , h =25 , x =0 , y =41 , v =2000

$$\le =88$$
 , h =16 , x =0 , y =25 , v =1408

$$\le =71$$
 , $h=13$, $x=0$, $y=66$, $v=923$