${\bf ClassName:}~{\bf Class_08.2bp\text{-}33}$

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

TypeNum: <u>80</u> Num: <u>80</u> OutS: <u>200000</u> InS: <u>171793</u> Rate: <u>0.859</u> UB: <u>20</u> LB0: <u>20</u>

LBWithCut: $\underline{20}$ NodeCut: $\underline{0}$

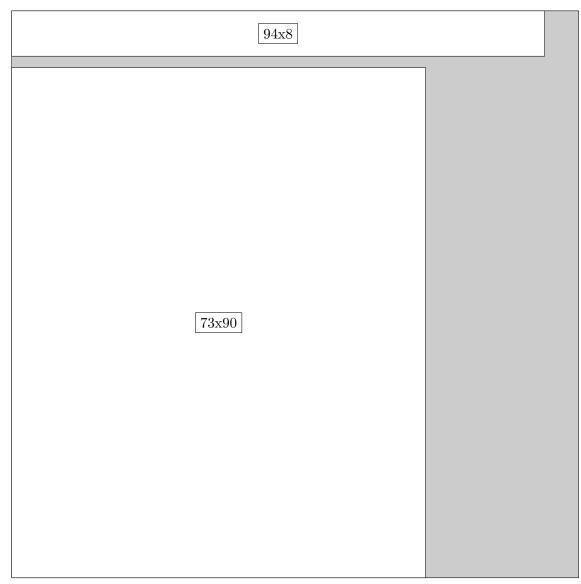
LB: **20**

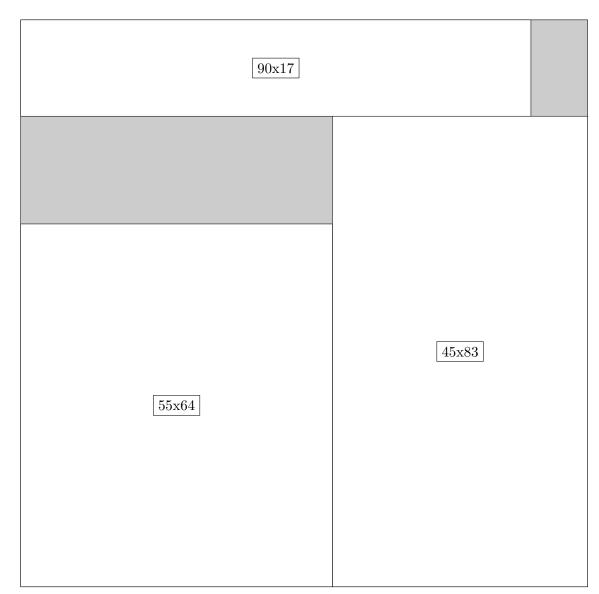
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{20}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.230 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.355 \ s} \end{array}$

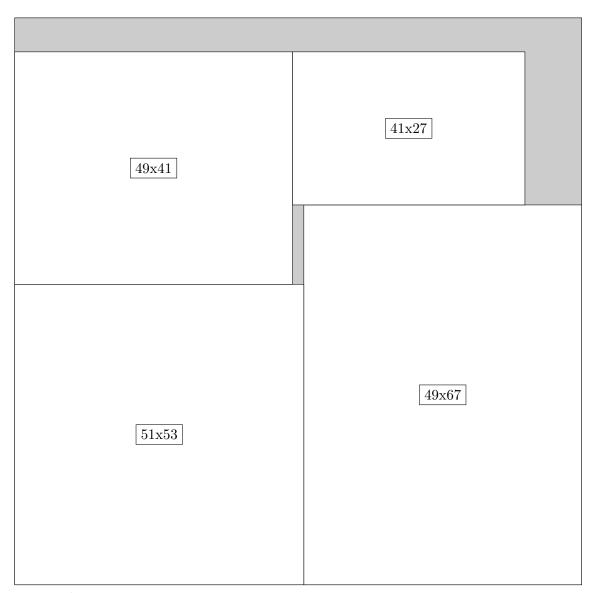




$$\mathbf{w}$$
 =55 , h =64 , x =0 , y =0 , v =3520

$$\le =45$$
 , h =83 , x =55 , y =0 , v =3735

$$\le =90$$
 , h =17 , x =0 , y =83 , v =1530

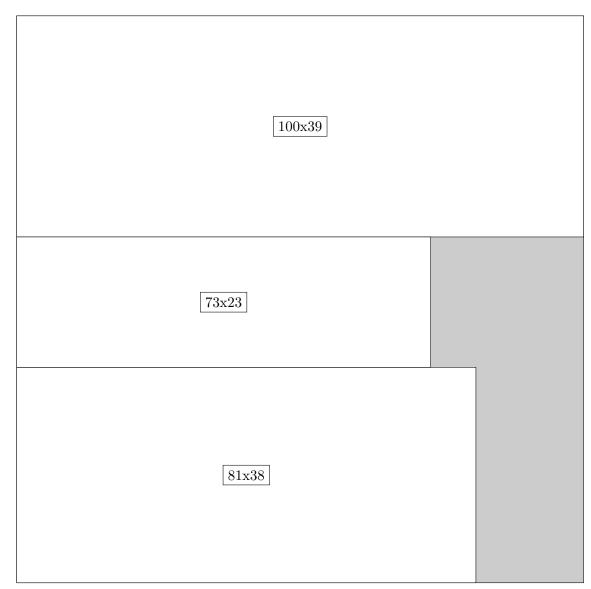


$$\le =49$$
 , h =67 , x =51 , y =0 , v =3283

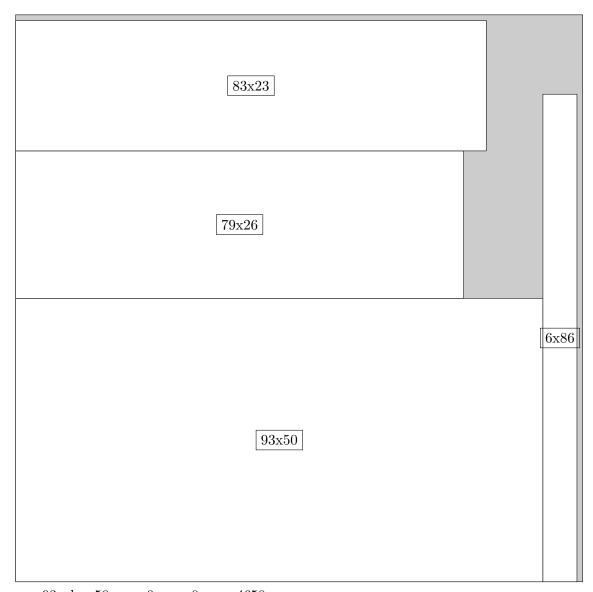
$$\le =51$$
 , $h=53$, $x=0$, $y=0$, $v=2703$

$$\le =49$$
 , h =41 , x =0 , y =53 , v =2009

$$\le =41$$
 , $h=27$, $x=49$, $y=67$, $v=1107$



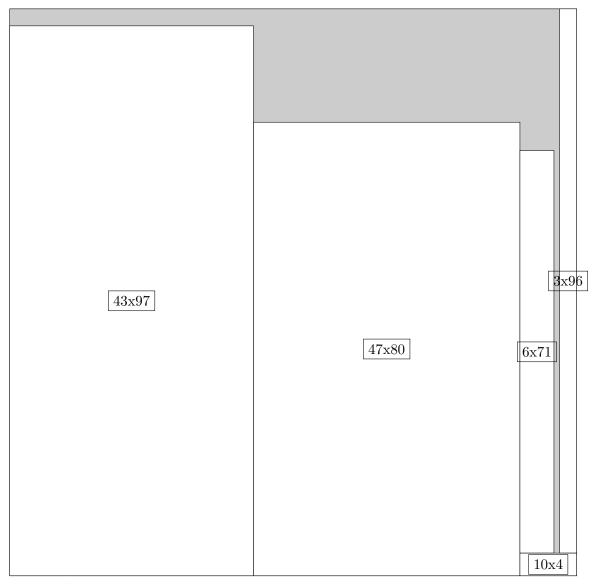
$$\begin{array}{l} w = \! 100 \; , \; h = \! 39 \; , \; x = \! 0 \; , \; y = \! 61 \; , \; v = \! 3900 \\ w = \! 81 \; , \; h = \! 38 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3078 \\ w = \! 73 \; , \; h = \! 23 \; , \; x = \! 0 \; , \; y = \! 38 \; , \; v = \! 1679 \end{array}$$



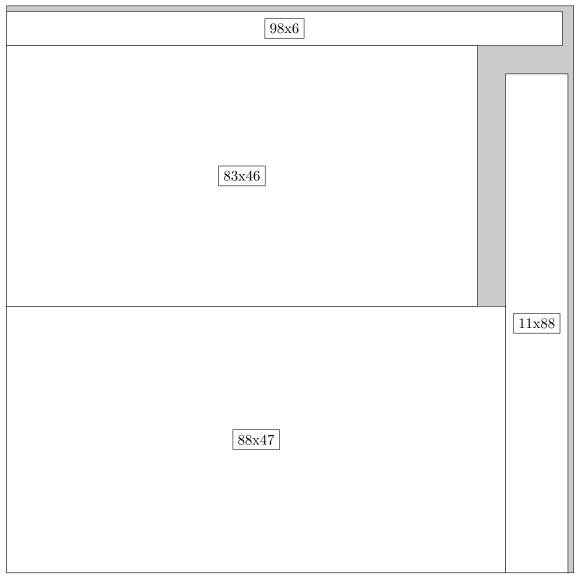
$$\begin{array}{l} w = \! 93 \ , \ h = \! 50 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4650 \\ w = \! 79 \ , \ h = \! 26 \ , \ x = \! 0 \ , \ y = \! 50 \ , \ v = \! 2054 \end{array}$$

$$\le =83$$
 , h =23 , x =0 , y =76 , v =1909

$$\mathbf{w}$$
 =6 , h =86 , x =93 , y =0 , v =516



 $\begin{array}{l} w = \! 43 \; , \; h = \! 97 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4171 \\ w = \! 47 \; , \; h = \! 80 \; , \; x = \! 43 \; , \; y = \! 0 \; , \; v = \! 3760 \\ w = \! 6 \; , \; h = \! 71 \; , \; x = \! 90 \; , \; y = \! 4 \; , \; v = \! 426 \\ w = \! 3 \; , \; h = \! 96 \; , \; x = \! 97 \; , \; y = \! 4 \; , \; v = \! 288 \\ w = \! 10 \; , \; h = \! 4 \; , \; x = \! 90 \; , \; y = \! 0 \; , \; v = \! 40 \end{array}$

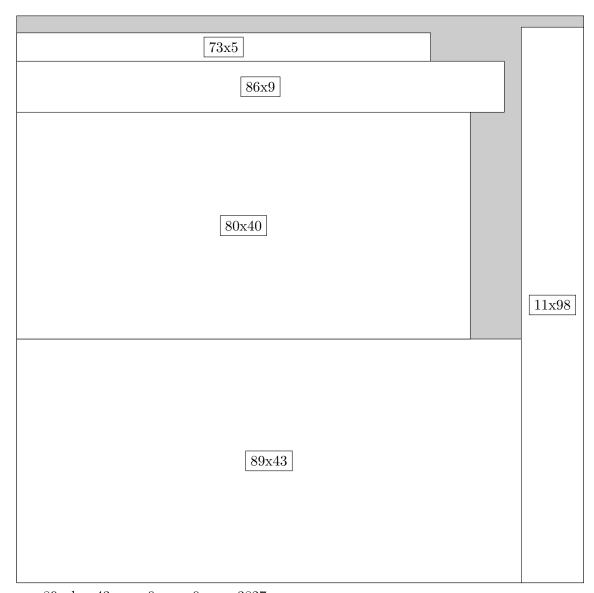


$$\le =88$$
 , $h=47$, $x=0$, $y=0$, $v=4136$

$$\le =83$$
 , $h=46$, $x=0$, $y=47$, $v=3818$

$$\le =11$$
 , h =88 , x =88 , y =0 , v =968

$$w=\!98$$
 , $h=\!6$, $x=\!0$, $y=\!93$, $v=\!588$



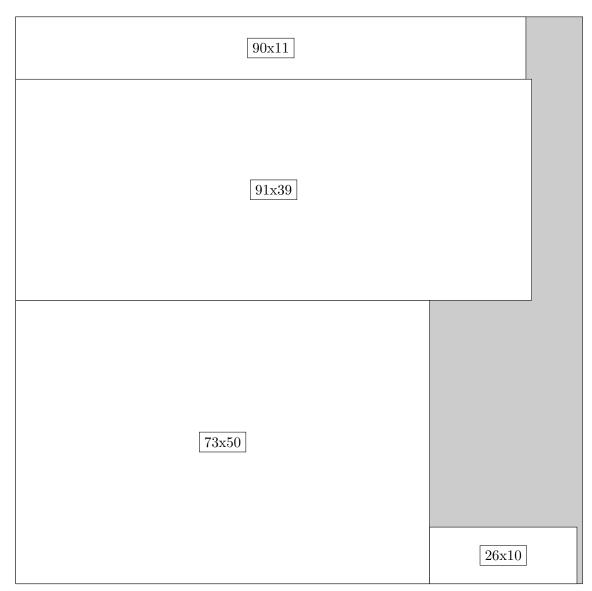
$$\le =89$$
 , h =43 , x =0 , y =0 , v =3827

$$\le =80$$
 , h =40 , x =0 , y =43 , v =3200

$$\le =11$$
 , h =98 , x =89 , y =0 , v =1078

$$\le =86$$
 , h =9 , x =0 , y =83 , v =774

$$w = 73$$
, $h = 5$, $x = 0$, $y = 92$, $v = 365$

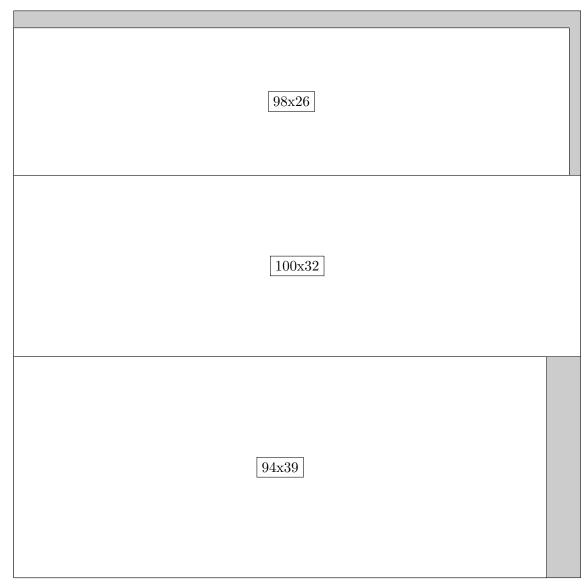


$$\mathbf{w}$$
 =73 , h =50 , x =0 , y =0 , v =3650

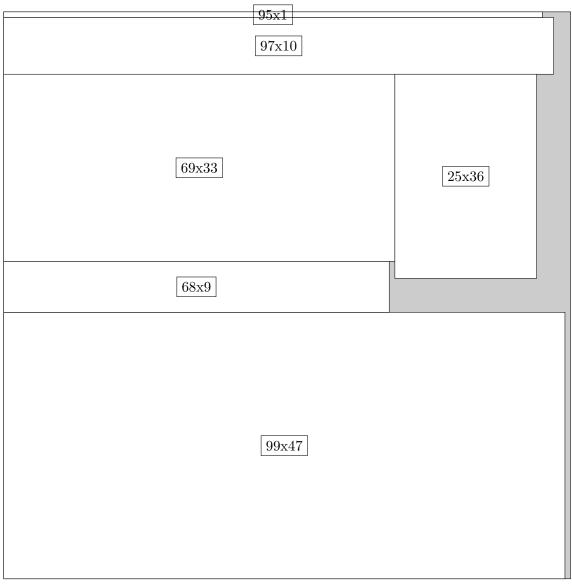
$$\le =91$$
 , h =39 , x =0 , y =50 , v =3549

$$\le =90$$
 , h =11 , x =0 , y =89 , v =990

$$\le =26$$
 , h =10 , x =73 , y =0 , v =260



$$\begin{array}{l} w = \! 94 \; , \; h = \! 39 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3666 \\ w = \! 100 \; , \; h = \! 32 \; , \; x = \! 0 \; , \; y = \! 39 \; , \; v = \! 3200 \\ w = \! 98 \; , \; h = \! 26 \; , \; x = \! 0 \; , \; y = \! 71 \; , \; v = \! 2548 \end{array}$$



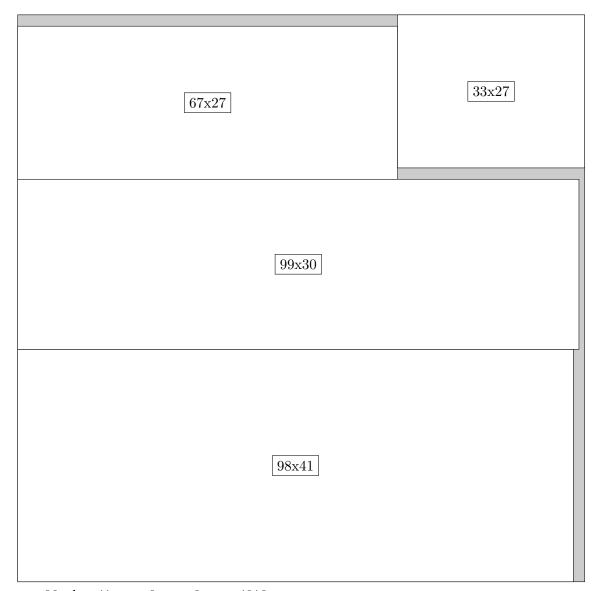
$$\le =99$$
 , h =47 , x =0 , y =0 , v =4653

$$\begin{array}{l} w = \!68 \ , \ h = \!9 \ , \ x = \!0 \ , \ y = \!47 \ , \ v = \!612 \\ w = \!69 \ , \ h = \!33 \ , \ x = \!0 \ , \ y = \!56 \ , \ v = \!2277 \end{array}$$

$$w = 97$$
, $h = 10$, $x = 0$, $y = 89$, $v = 970$

$$w = 25$$
, $h = 36$, $x = 69$, $y = 53$, $v = 900$

$$w$$
 =95 , h =1 , x =0 , y =99 , v =95

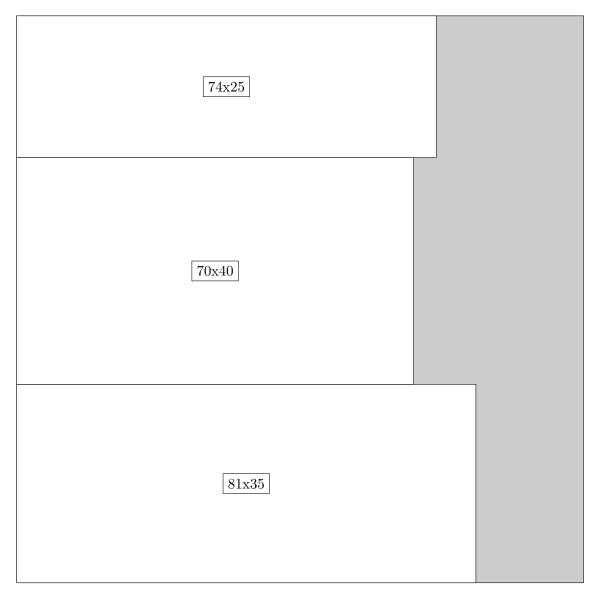


$$\le =98$$
 , h =41 , x =0 , y =0 , v =4018

$$\le =99$$
 , h =30 , x =0 , y =41 , v =2970

$$\le =67$$
 , h =27 , x =0 , y =71 , v =1809

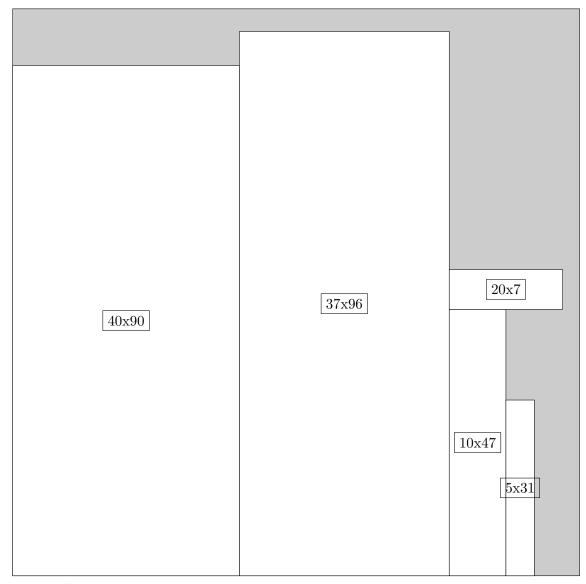
$$\le =33$$
 , h =27 , x =67 , y =73 , v =891



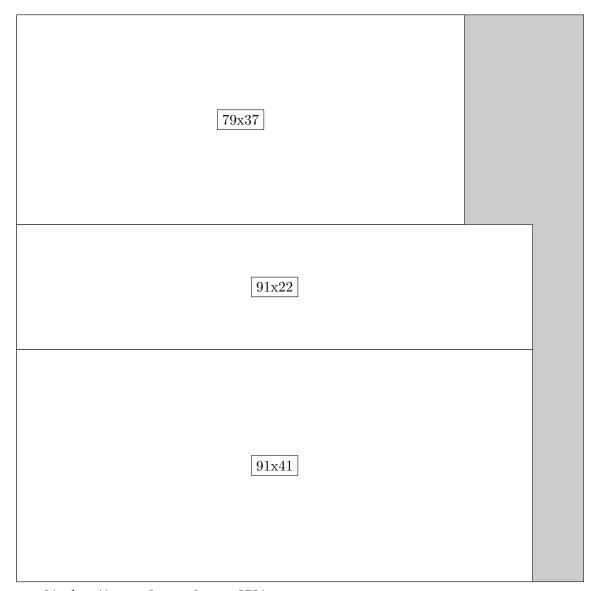
$$w = 81$$
, $h = 35$, $x = 0$, $y = 0$, $v = 2835$

$$\le =70$$
 , h =40 , x =0 , y =35 , v =2800

$$\le =74$$
 , h =25 , x =0 , y =75 , v =1850

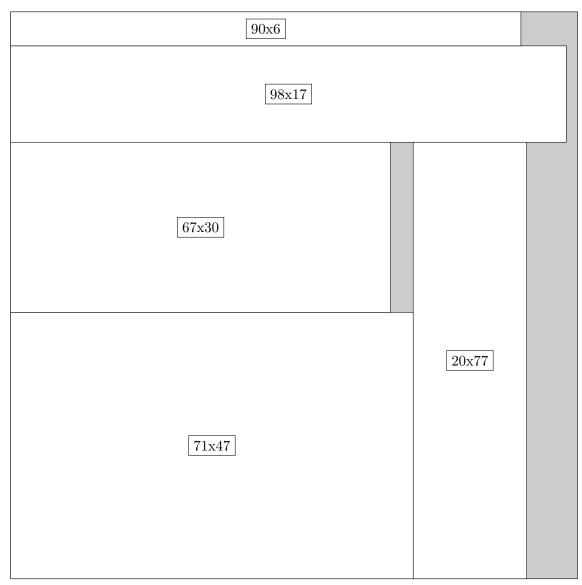


 $\begin{array}{l} w = \! 40 \ , \ h = \! 90 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3600 \\ w = \! 37 \ , \ h = \! 96 \ , \ x = \! 40 \ , \ y = \! 0 \ , \ v = \! 3552 \\ w = \! 10 \ , \ h = \! 47 \ , \ x = \! 77 \ , \ y = \! 0 \ , \ v = \! 470 \\ w = \! 5 \ , \ h = \! 31 \ , \ x = \! 87 \ , \ y = \! 0 \ , \ v = \! 155 \\ w = \! 20 \ , \ h = \! 7 \ , \ x = \! 77 \ , \ y = \! 47 \ , \ v = \! 140 \end{array}$



$$\begin{array}{l} w = \! 91 \ , \ h = \! 41 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 3731 \\ w = \! 79 \ , \ h = \! 37 \ , \ x = \! 0 \ , \ y = \! 63 \ , \ v = \! 2923 \end{array}$$

$$\le =91$$
 , $h=22$, $x=0$, $y=41$, $v=2002$



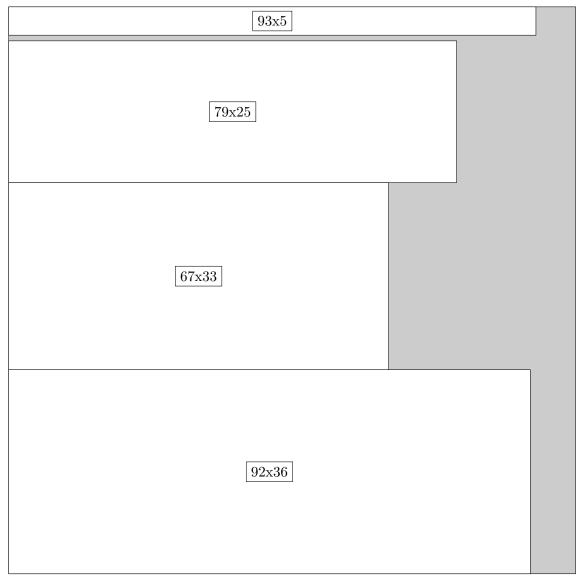
$$w = 71$$
, $h = 47$, $x = 0$, $y = 0$, $v = 3337$

$$\le =67$$
 , h =30 , x =0 , y =47 , v =2010

$$\le =98$$
 , h =17 , x =0 , y =77 , v =1666

$$\mathbf{w}$$
 =20 , h =77 , x =71 , y =0 , v =1540

$$w = 90$$
, $h = 6$, $x = 0$, $y = 94$, $v = 540$

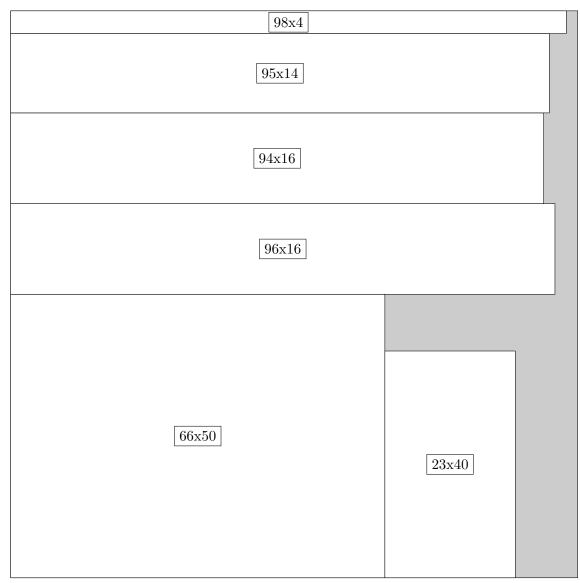


$$\le =92$$
 , h =36 , x =0 , y =0 , v =3312

$$\le =67$$
 , h =33 , x =0 , y =36 , v =2211

$$\le =79$$
 , h =25 , x =0 , y =69 , v =1975

$$\le =93$$
 , h =5 , x =0 , y =95 , v =465



$$w = 66$$
, $h = 50$, $x = 0$, $y = 0$, $v = 3300$

$$\le =96$$
 , h =16 , x =0 , y =50 , v =1536

$$\le =94$$
 , h =16 , x =0 , y =66 , v =1504

$$\le =95$$
 , h =14 , x =0 , y =82 , v =1330

$$\le =23$$
 , h =40 , x =66 , y =0 , v =920

$$w=98$$
 , $h=4$, $x=0$, $y=96$, $v=392$



$$\le =96$$
 , h =38 , x =0 , y =0 , v =3648

$$\le =85$$
 , h =25 , x =0 , y =38 , v =2125

$$\le =79$$
 , h =10 , x =0 , y =63 , v =790

$$\mathbf{w}$$
 =67 , h =4 , x =0 , y =73 , v =268



$$\le =96$$
 , $h=32$, $x=0$, $y=0$, $v=3072$

$$\le =87$$
 , h =32 , x =0 , y =32 , v =2784

$$\le =69$$
 , h =22 , x =0 , y =64 , v =1518