$ClassName: {\bf Class\_08.2bp-21}$ 

BinSize:  $100 \times 100$ ReduceSize:  $100 \times 100$ 

TypeNum: **60** Num: **60** OutS: **170000** InS: 143565Rate:  $\underline{0.845}$ UB: <u>17</u>

LB0: **17** LB: **17** 

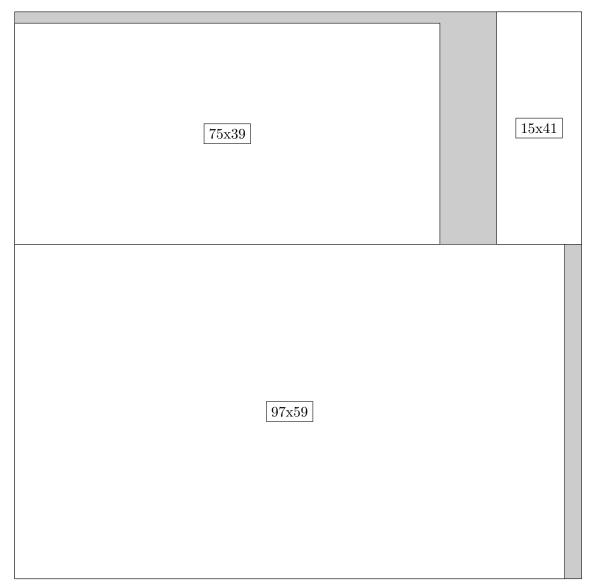
LBWithCut: 17 NodeCut: **0** 

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

GenNodeCnt:  $\mathbf{1}$ PrimalNode:  $\mathbf{0}$ ColumnCount: 17  $TotalCutCount: \ \mathbf{0}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

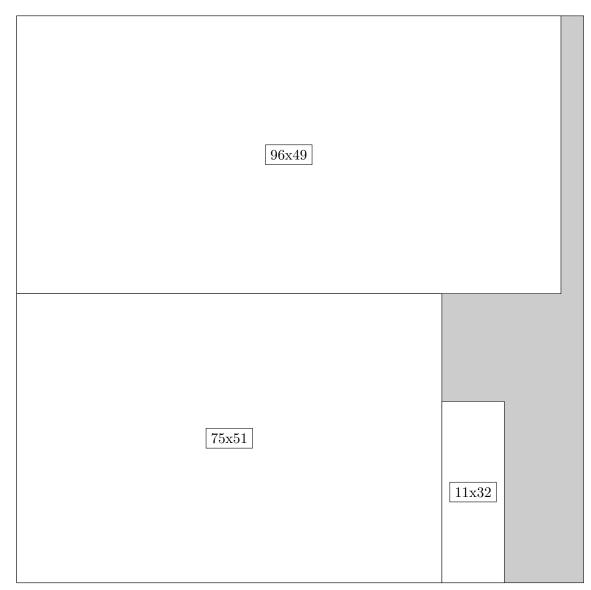
TimeOnInitSolution:  $\underline{0.120 \text{ s}}$ TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 s TimeOnRmp: 0.062 sTotalTime: 0.245 s



$$w = 97$$
,  $h = 59$ ,  $x = 0$ ,  $y = 0$ ,  $v = 5723$ 

$$\le =15$$
 , h =41 , x =85 , y =59 , v =615

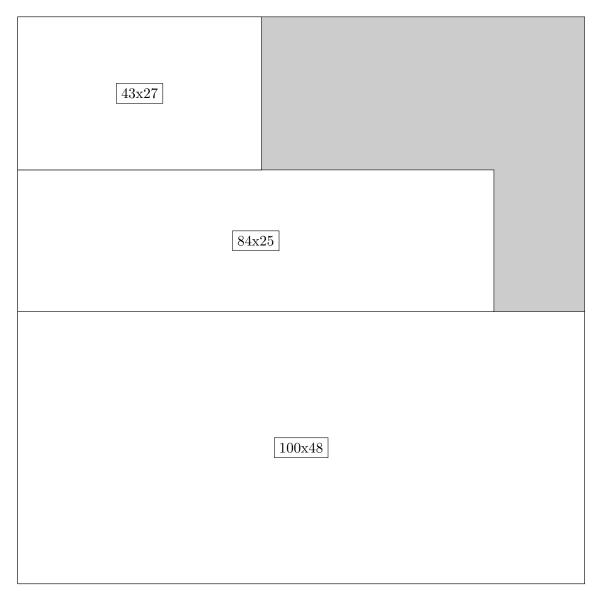
$$\le =75$$
 , h =39 , x =0 , y =59 , v =2925



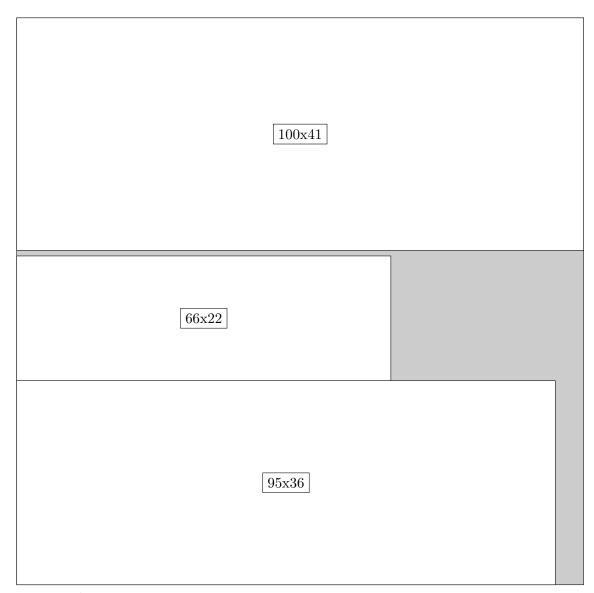
$$w = 96$$
,  $h = 49$ ,  $x = 0$ ,  $y = 51$ ,  $v = 4704$ 

$$\le -75$$
 , h =51 , x =0 , y =0 , v =3825

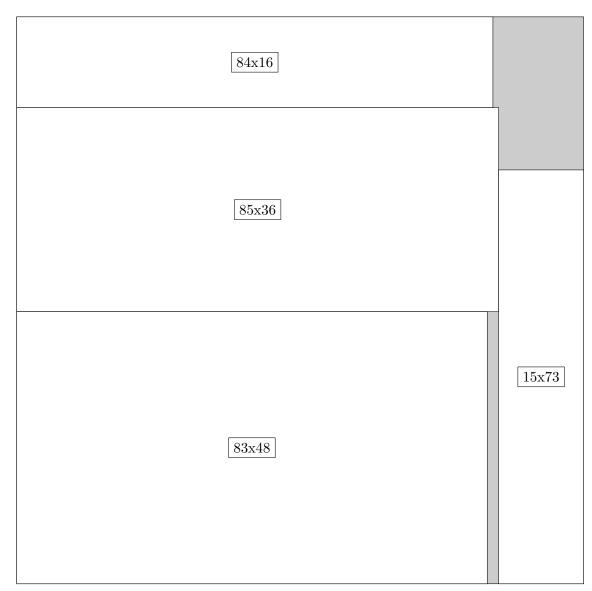
$$\le =11$$
 , h =32 , x =75 , y =0 , v =352



$$\begin{array}{l} w = & 100 \ , \ h = & 48 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 4800 \\ w = & 84 \ , \ h = & 25 \ , \ x = & 0 \ , \ y = & 48 \ , \ v = & 2100 \\ w = & 43 \ , \ h = & 27 \ , \ x = & 0 \ , \ y = & 73 \ , \ v = & 1161 \end{array}$$



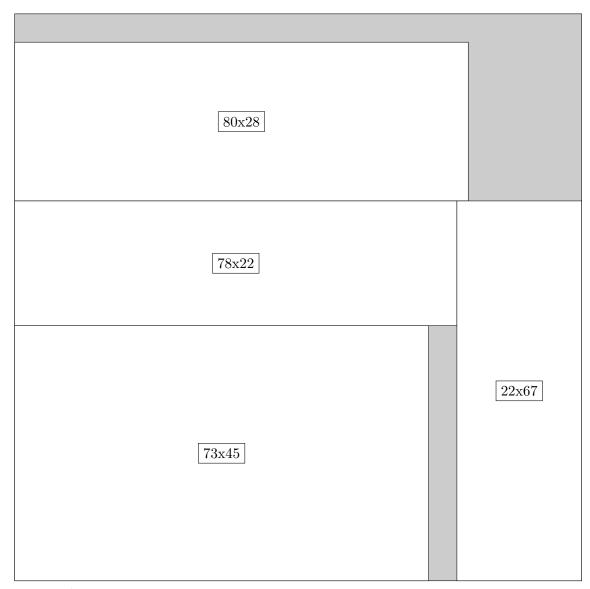
$$\begin{array}{l} w = \! 100 \; , \; h = \! 41 \; , \; x = \! 0 \; , \; y = \! 59 \; , \; v = \! 4100 \\ w = \! 95 \; , \; h = \! 36 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 3420 \\ w = \! 66 \; , \; h = \! 22 \; , \; x = \! 0 \; , \; y = \! 36 \; , \; v = \! 1452 \end{array}$$



$$\le =85$$
 ,  $h=36$  ,  $x=0$  ,  $y=48$  ,  $v=3060$ 

$$\le =84$$
 ,  $h$  =16 ,  $x$  =0 ,  $y$  =84 ,  $v$  =1344

$$\mathbf{w}$$
 =15 , h =73 , x =85 , y =0 , v =1095

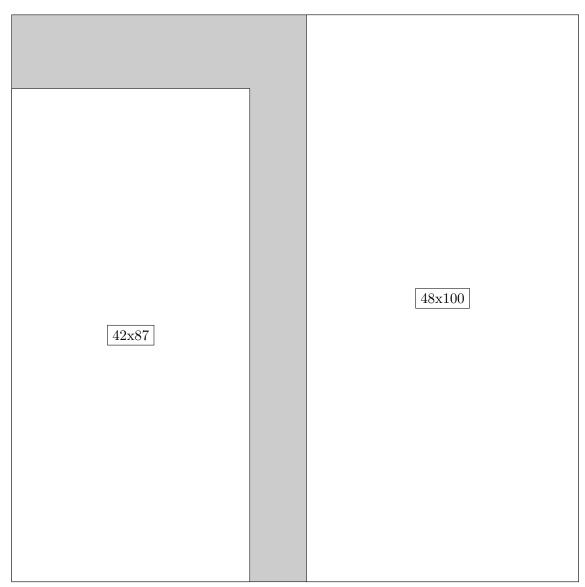


$$\le =73$$
 , h =45 , x =0 , y =0 , v =3285

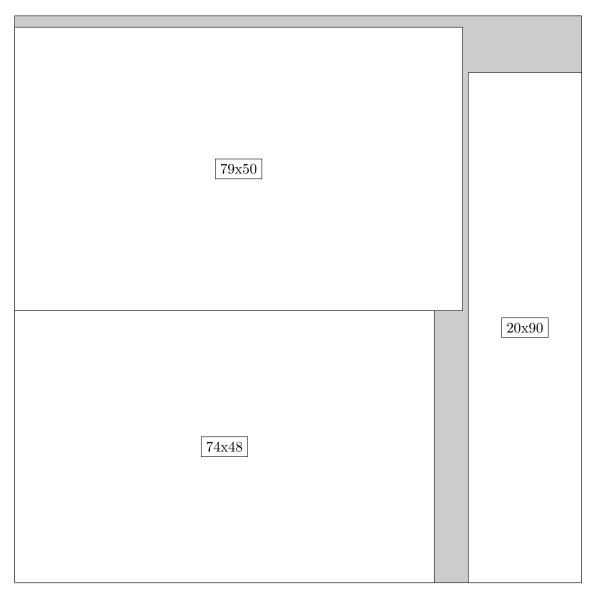
$$\le =80$$
 , h =28 , x =0 , y =67 , v =2240

$$\le -78$$
 , h =22 , x =0 , y =45 , v =1716

$$\mathbf{w}$$
 =22 , h =67 , x =78 , y =0 , v =1474



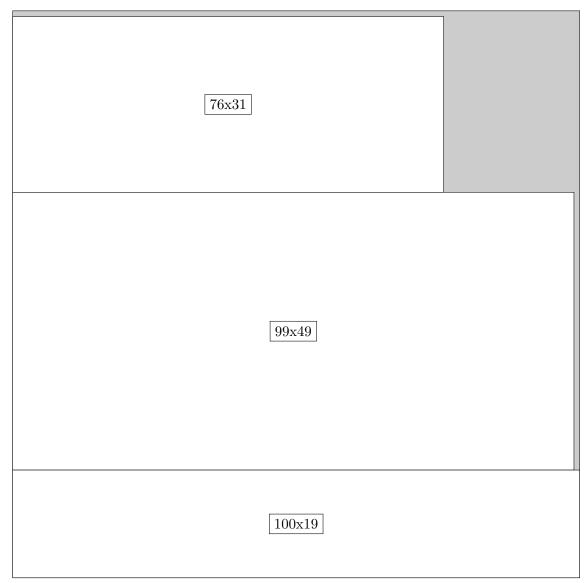
w =48, h =100, x =52, y =0, v =4800 w =42, h =87, x =0, y =0, v =3654



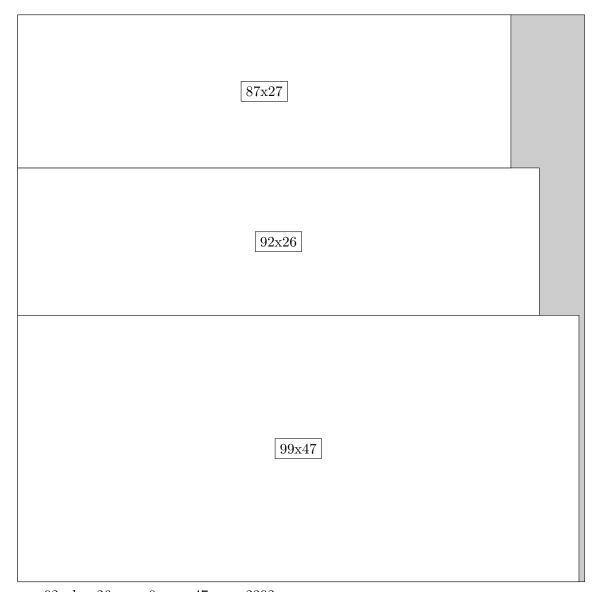
$$w = 74$$
,  $h = 48$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3552$ 

$$\le =79$$
 , h =50 , x =0 , y =48 , v =3950

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

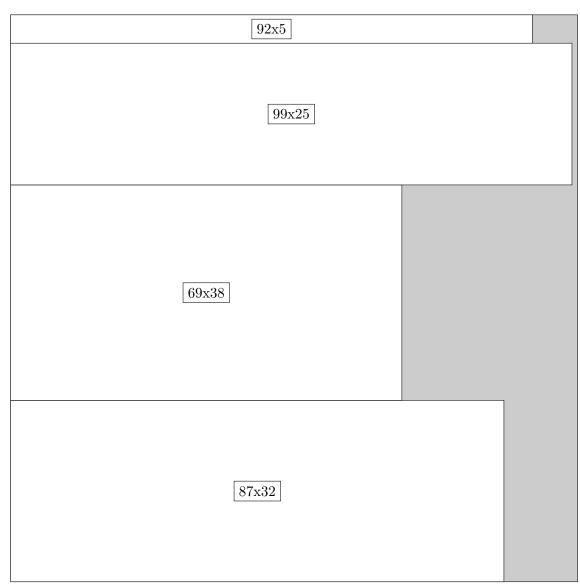


$$\begin{array}{l} w = \! 99 \ , \ h = \! 49 \ , \ x = \! 0 \ , \ y = \! 19 \ , \ v = \! 4851 \\ w = \! 76 \ , \ h = \! 31 \ , \ x = \! 0 \ , \ y = \! 68 \ , \ v = \! 2356 \\ w = \! 100 \ , \ h = \! 19 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1900 \end{array}$$



$$\begin{array}{l} w = \! 92 \ , \ h = \! 26 \ , \ x = \! 0 \ , \ y = \! 47 \ , \ v = \! 2392 \\ w = \! 99 \ , \ h = \! 47 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4653 \end{array}$$

$$w = 87$$
,  $h = 27$ ,  $x = 0$ ,  $y = 73$ ,  $v = 2349$ 

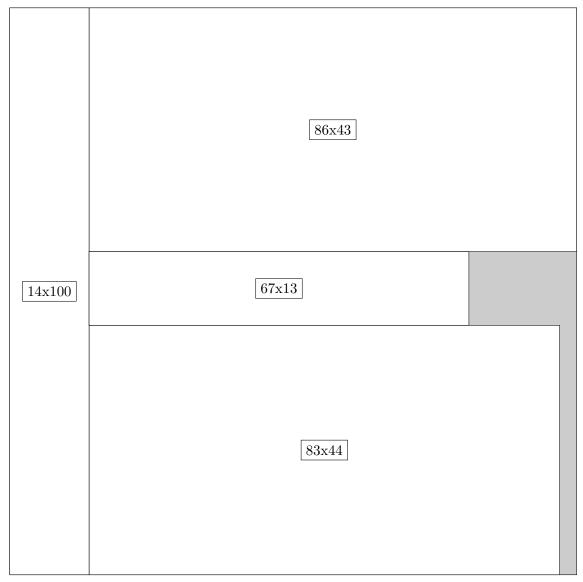


$$\le =87$$
 , h =32 , x =0 , y =0 , v =2784

$$\le =69$$
 , h =38 , x =0 , y =32 , v =2622

$$\le =99$$
 , h =25 , x =0 , y =70 , v =2475

$$\le =92$$
 , h =5 , x =0 , y =95 , v =460

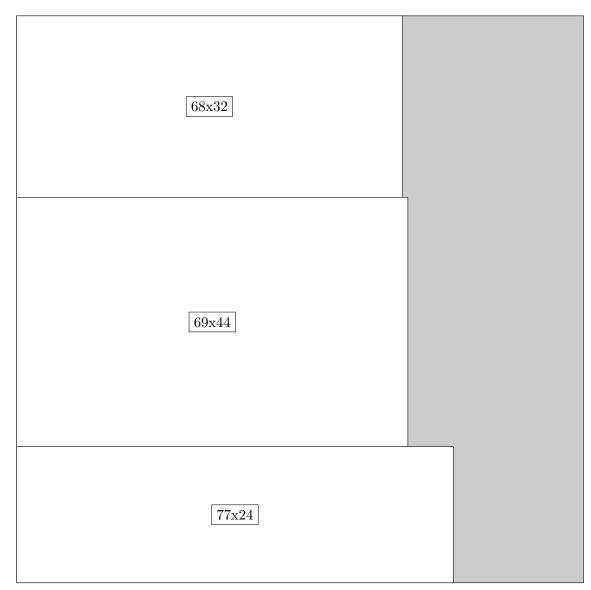


 $w = \! 86 \; , \; h = \! 43 \; , \; x = \! 14 \; , \; y = \! 57 \; , \; v = \! 3698$ 

 $\le =83$  , h =44 , x =14 , y =0 , v =3652

 $\le =14$  , h=100 , x=0 , y=0 , v=1400

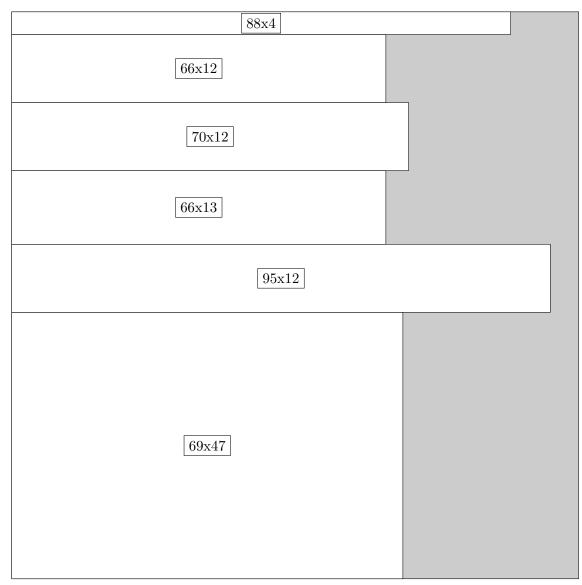
 $\mathbf{w}$  =67 , h =13 , x =14 , y =44 , v =871



$$w = 69$$
,  $h = 44$ ,  $x = 0$ ,  $y = 24$ ,  $v = 3036$ 

$$\le =68$$
 , h =32 , x =0 , y =68 , v =2176

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



$$w = 69$$
,  $h = 47$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3243$ 

$$w=\!95$$
 ,  $h=\!12$  ,  $x=\!0$  ,  $y=\!47$  ,  $v=\!1140$ 

$$\le =66$$
 ,  $h$  =13 ,  $x$  =0 ,  $y$  =59 ,  $v$  =858

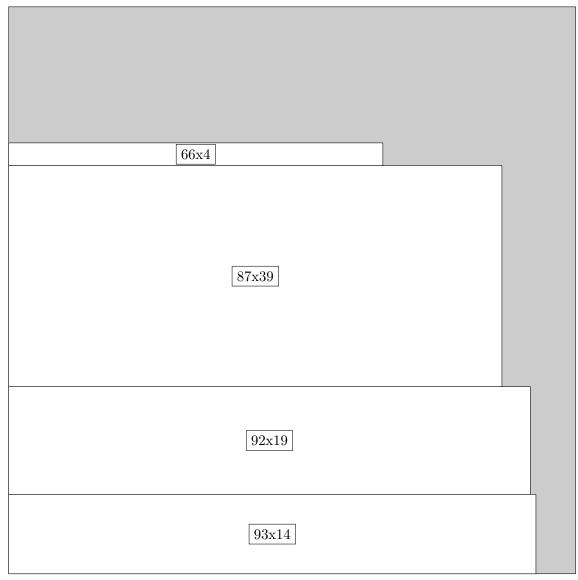
$$\mathbf{w}$$
 =70 , h =12 , x =0 , y =72 , v =840

$$\mathbf{w}$$
 =66 , h =12 , x =0 , y =84 , v =792

$$\le =88$$
 ,  $h=4$  ,  $x=0$  ,  $y=96$  ,  $v=352$ 



$$\begin{array}{l} w = \! 93 \ , \ h = \! 48 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4464 \\ w = \! 76 \ , \ h = \! 39 \ , \ x = \! 0 \ , \ y = \! 48 \ , \ v = \! 2964 \\ w = \! 70 \ , \ h = \! 7 \ , \ x = \! 0 \ , \ y = \! 87 \ , \ v = \! 490 \end{array}$$

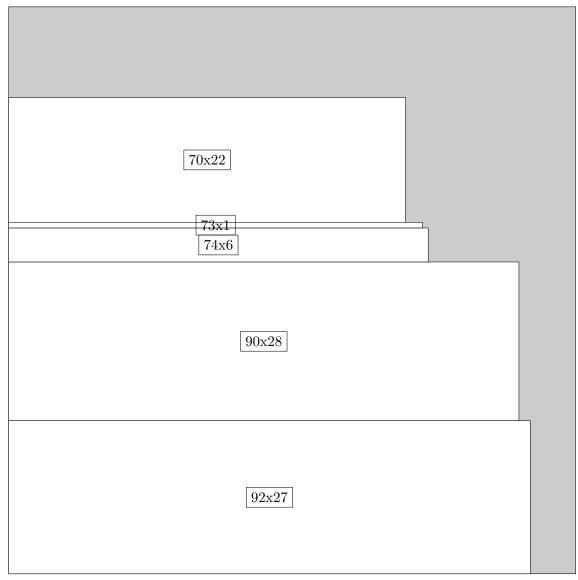


$$\le =87$$
 , h =39 , x =0 , y =33 , v =3393

$$\le =92$$
 , h =19 , x =0 , y =14 , v =1748

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

$$\mathbf{w}$$
 =66 , h =4 , x =0 , y =72 , v =264



$$\le =90$$
 , h =28 , x =0 , y =27 , v =2520

$$\le =92$$
 , h =27 , x =0 , y =0 , v =2484

$$\mathbf{w}$$
 =70 , h =22 , x =0 , y =62 , v =1540

$$\mathbf{w}$$
 =74 , h =6 , x =0 , y =55 , v =444

$$\le -73$$
 , h =1 , x =0 , y =61 , v =73