${\bf ClassName:}~{\bf Class\_10.2bp\text{-}39}$ 

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

TypeNum: <u>79</u> Num: <u>80</u> OutS: <u>150000</u> InS: <u>133665</u> Rate: <u>0.891</u> UB: <u>15</u> LB0: <u>14</u>

LBWithCut:  $\underline{\bf 15}$ NodeCut:  $\underline{\bf 0}$ 

LB: **15** 

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

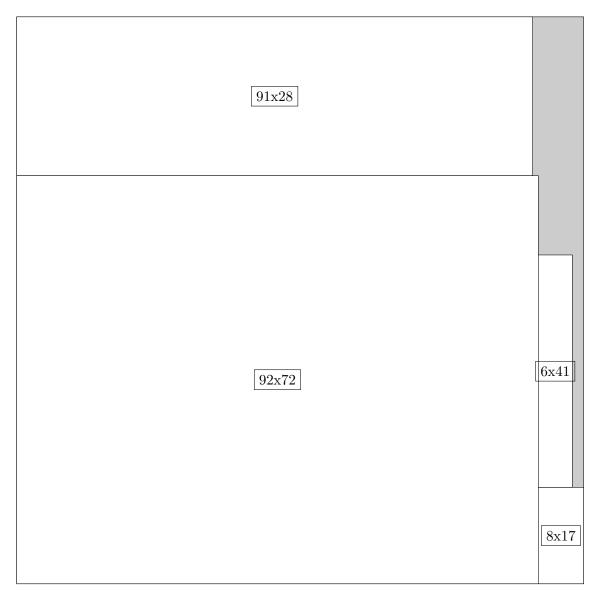
GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{75}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{60}}$ PricingSolverCnt:  $\underline{\mathbf{60}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

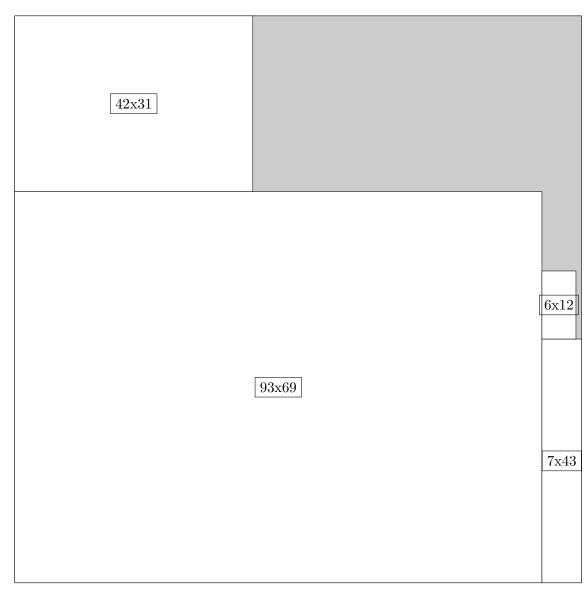
TimeOnInitSolution:  $\underline{120.010 \text{ s}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 3601.476 s

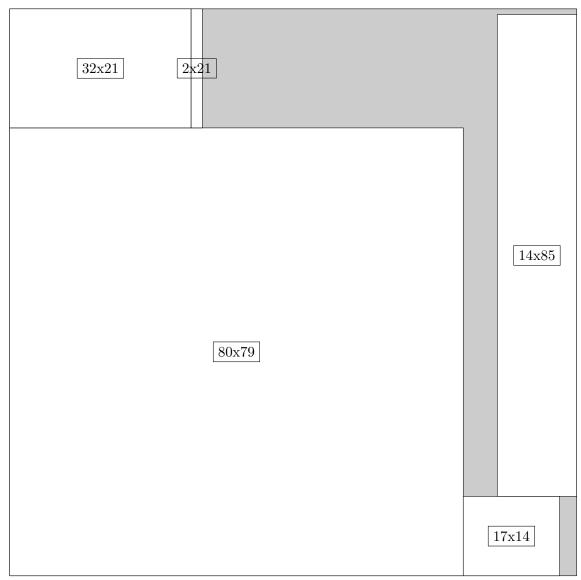
TimeOnRmp:  $\underline{0.161 \text{ s}}$ TotalTime:  $\underline{3721.726 \text{ s}}$ 



$$\begin{array}{l} w = 92 \ , \ h = 72 \ , \ x = 0 \ , \ y = 0 \ , \ v = 6624 \\ w = 91 \ , \ h = 28 \ , \ x = 0 \ , \ y = 72 \ , \ v = 2548 \\ w = 6 \ , \ h = 41 \ , \ x = 92 \ , \ y = 17 \ , \ v = 246 \\ w = 8 \ , \ h = 17 \ , \ x = 92 \ , \ y = 0 \ , \ v = 136 \end{array}$$



$$\begin{array}{l} w = \! 93 \ , \ h = \! 69 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 6417 \\ w = \! 42 \ , \ h = \! 31 \ , \ x = \! 0 \ , \ y = \! 69 \ , \ v = \! 1302 \\ w = \! 7 \ , \ h = \! 43 \ , \ x = \! 93 \ , \ y = \! 0 \ , \ v = \! 301 \\ w = \! 6 \ , \ h = \! 12 \ , \ x = \! 93 \ , \ y = \! 43 \ , \ v = \! 72 \end{array}$$



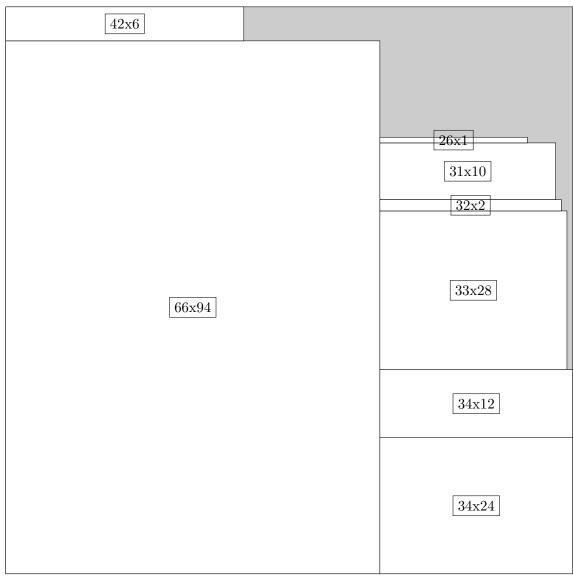
$$\le =80$$
 ,  $h=79$  ,  $x=0$  ,  $y=0$  ,  $v=6320$ 

$$w=\!14$$
 ,  $h=\!85$  ,  $x=\!86$  ,  $y=\!14$  ,  $v=\!1190$ 

$$\le =32$$
 , h =21 , x =0 , y =79 , v =672

$$\le =17$$
 , h =14 , x =80 , y =0 , v =238

$$\mathbf{w}$$
 =2 , h =21 , x =32 , y =79 , v =42



$$\mathbf{w}$$
 =66 , h =94 , x =0 , y =0 , v =6204

$$\le =33$$
 , h =28 , x =66 , y =36 , v =924

$$\le =34$$
 ,  $h$  =24 ,  $x$  =66 ,  $y$  =0 ,  $v$  =816

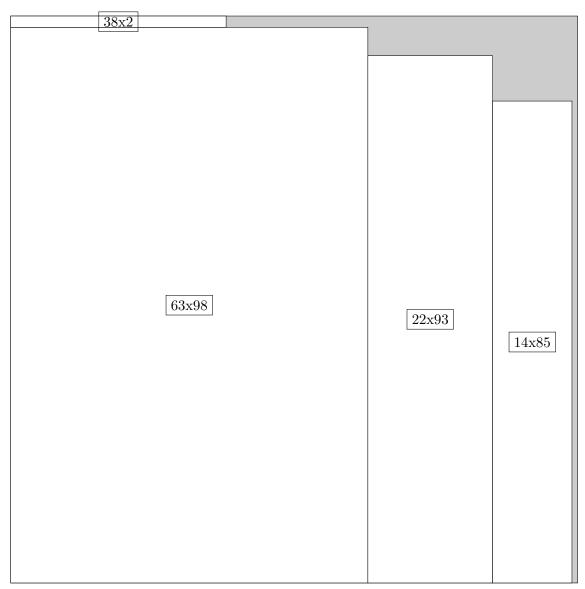
$$\le =34$$
 , h =12 , x =66 , y =24 , v =408

$$\le =31$$
 ,  $h=10$  ,  $x=66$  ,  $y=66$  ,  $v=310$ 

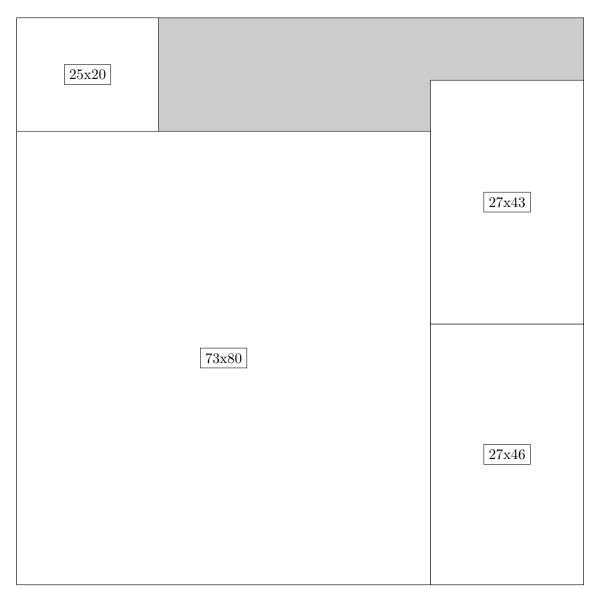
$$\mathbf{w}$$
 =42 , h =6 , x =0 , y =94 , v =252

$$w=\!32$$
 ,  $h=\!2$  ,  $x=\!66$  ,  $y=\!64$  ,  $v=\!64$ 

$$\le =26$$
 ,  $h$  =1 ,  $x$  =66 ,  $y$  =76 ,  $v$  =26



$$\begin{array}{l} w = \!\!63 \ , \ h = \!\!98 \ , \ x = \!\!0 \ , \ y = \!\!0 \ , \ v = \!\!6174 \\ w = \!\!22 \ , \ h = \!\!93 \ , \ x = \!\!63 \ , \ y = \!\!0 \ , \ v = \!\!2046 \\ w = \!\!14 \ , \ h = \!\!85 \ , \ x = \!\!85 \ , \ y = \!\!0 \ , \ v = \!\!1190 \\ w = \!\!38 \ , \ h = \!\!2 \ , \ x = \!\!0 \ , \ y = \!\!98 \ , \ v = \!\!76 \end{array}$$



$$\le =73$$
 , h =80 , x =0 , y =0 , v =5840

$$\le =27$$
 , h =46 , x =73 , y =0 , v =1242

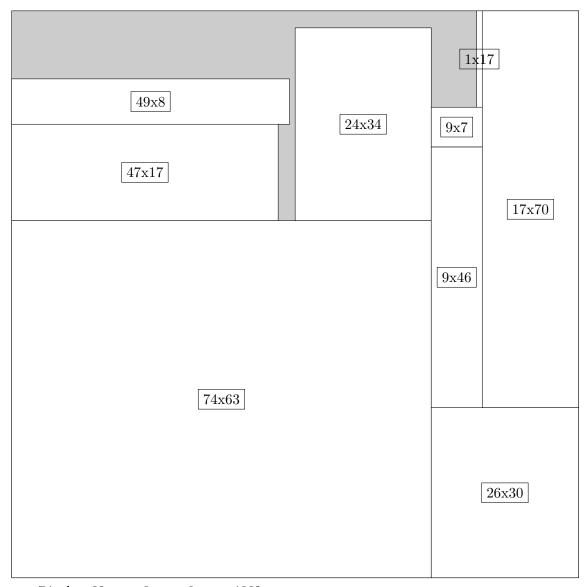
$$\le =27$$
 , h =43 , x =73 , y =46 , v =1161

$$\le =25$$
 , h =20 , x =0 , y =80 , v =500

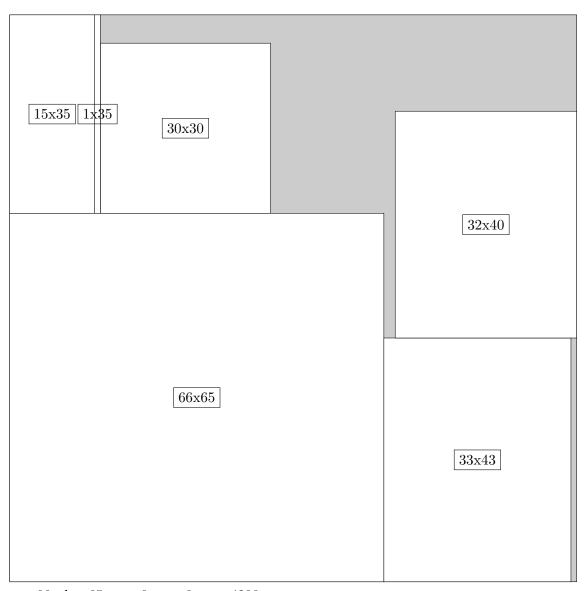
	47x45
53x100	
	47x46

 $\begin{array}{l} w = \! 53 \ , \ h = \! 100 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 5300 \\ w = \! 47 \ , \ h = \! 46 \ , \ x = \! 53 \ , \ y = \! 0 \ , \ v = \! 2162 \end{array}$ 

 $\le =47$  , h =45 , x =53 , y =46 , v =2115



$$\begin{array}{l} w=74\;,\; h=63\;,\; x=0\;,\; y=0\;,\; v=4662\\ w=17\;,\; h=70\;,\; x=83\;,\; y=30\;,\; v=1190\\ w=47\;,\; h=17\;,\; x=0\;,\; y=63\;,\; v=799\\ w=24\;,\; h=34\;,\; x=50\;,\; y=63\;,\; v=816\\ w=26\;,\; h=30\;,\; x=74\;,\; y=0\;,\; v=780\\ w=9\;,\; h=46\;,\; x=74\;,\; y=30\;,\; v=414\\ w=49\;,\; h=8\;,\; x=0\;,\; y=80\;,\; v=392\\ w=9\;,\; h=7\;,\; x=74\;,\; y=76\;,\; v=63\\ w=1\;,\; h=17\;,\; x=82\;,\; y=83\;,\; v=17\\ \end{array}$$



$$\le =66$$
 ,  $h=65$  ,  $x=0$  ,  $y=0$  ,  $v=4290$ 

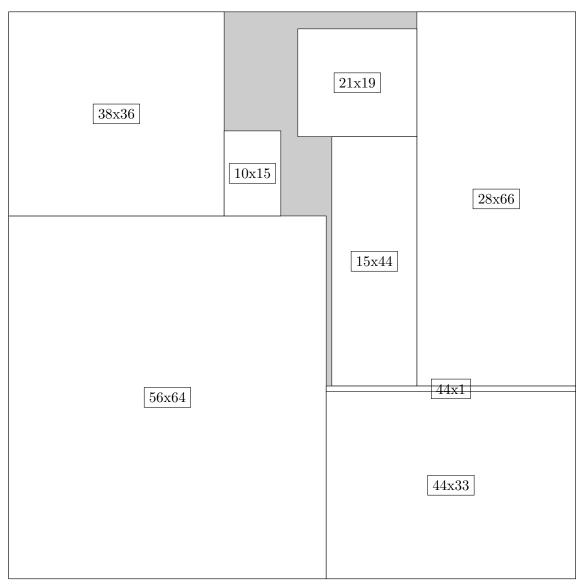
$$w$$
 =33 , h =43 , x =66 , y =0 , v =1419

$$\le =32$$
 , h =40 , x =68 , y =43 , v =1280

$$\le =30$$
 , h =30 , x =16 , y =65 , v =900

$$\le =15$$
 ,  $h=35$  ,  $x=0$  ,  $y=65$  ,  $v=525$ 

$$w$$
 =1 , h =35 , x =15 , y =65 , v =35



$$w = 56$$
,  $h = 64$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3584$ 

$$w=\!28$$
 ,  $h=\!66$  ,  $x=\!72$  ,  $y=\!34$  ,  $v=\!1848$ 

$$w = 44$$
,  $h = 33$ ,  $x = 56$ ,  $y = 0$ ,  $v = 1452$ 

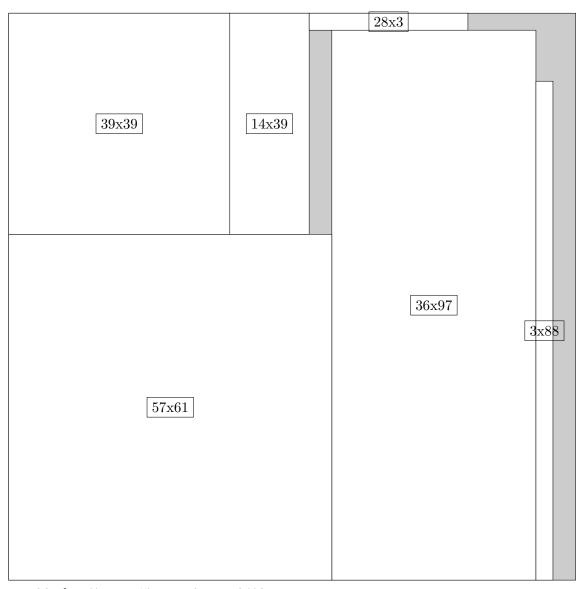
$$w = 38$$
,  $h = 36$ ,  $x = 0$ ,  $y = 64$ ,  $v = 1368$ 

$$w$$
 =15 , h =44 , x =57 , y =34 , v =660

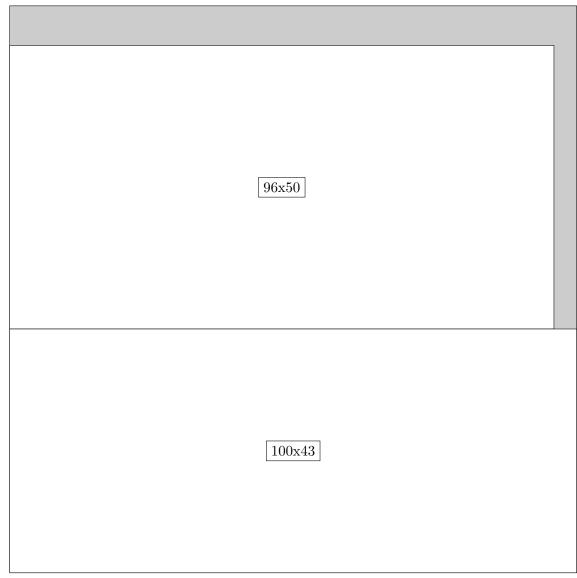
$$w$$
 =21 , h =19 , x =51 , y =78 , v =399

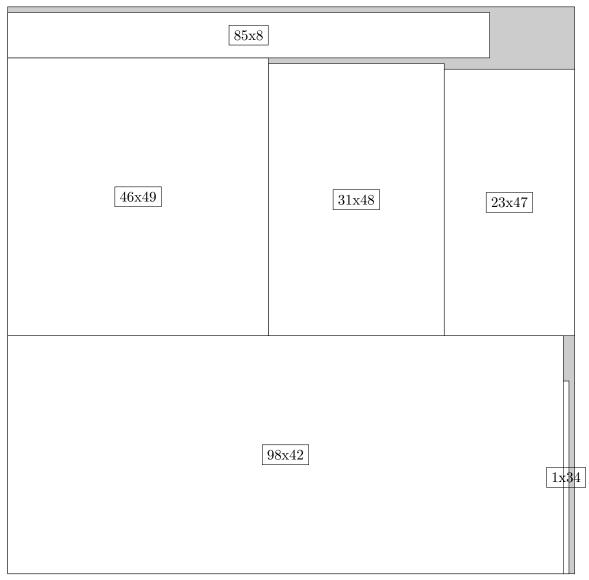
$$\le =10$$
 ,  $h=15$  ,  $x=38$  ,  $y=64$  ,  $v=150$ 

$$\mathbf{w}=\!\!44$$
 ,  $\mathbf{h}=\!\!1$  ,  $\mathbf{x}=\!\!56$  ,  $\mathbf{y}=\!\!33$  ,  $\mathbf{v}=\!\!44$ 



$$\begin{array}{l} w = & 36 \;,\; h = & 97 \;,\; x = & 57 \;,\; y = & 0 \;,\; v = & 3492 \\ w = & 57 \;,\; h = & 61 \;,\; x = & 0 \;,\; y = & 0 \;,\; v = & 3477 \\ w = & 39 \;,\; h = & 39 \;,\; x = & 0 \;,\; y = & 61 \;,\; v = & 1521 \\ w = & 14 \;,\; h = & 39 \;,\; x = & 39 \;,\; y = & 61 \;,\; v = & 546 \\ w = & 3 \;,\; h = & 88 \;,\; x = & 93 \;,\; y = & 0 \;,\; v = & 264 \\ w = & 28 \;,\; h = & 3 \;,\; x = & 53 \;,\; y = & 97 \;,\; v = & 84 \end{array}$$





$$w = 98$$
,  $h = 42$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4116$ 

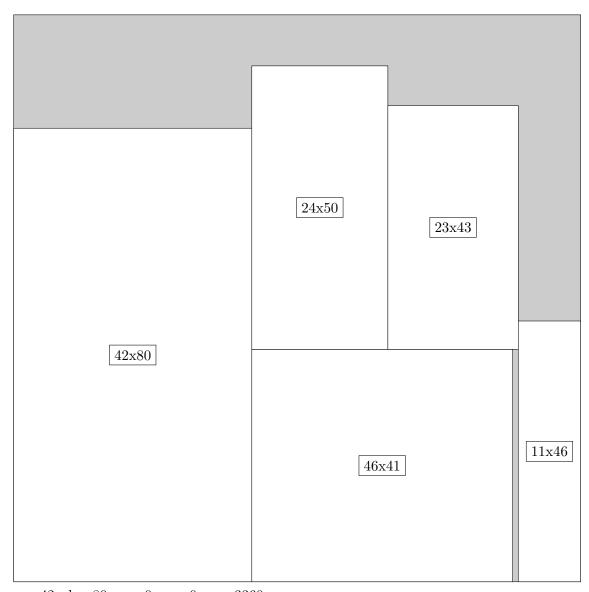
$$\mathbf{w}=\!\!46$$
 ,  $\mathbf{h}=\!\!49$  ,  $\mathbf{x}=\!\!0$  ,  $\mathbf{y}=\!\!42$  ,  $\mathbf{v}=\!\!2254$ 

$$\le 31$$
 , h =48 , x =46 , y =42 , v =1488

$$w$$
 =23 , h =47 , x =77 , y =42 , v =1081

$$\le =85$$
 ,  $h$  =8 ,  $x$  =0 ,  $y$  =91 ,  $v$  =680

$$\mathbf{w}$$
 =1 , h =34 , x =98 , y =0 , v =34



$$\le =42$$
 , h =80 , x =0 , y =0 , v =3360

$$\le =46$$
 ,  $h=\!41$  ,  $x=\!42$  ,  $y=\!0$  ,  $v=\!1886$ 

$$\le =24$$
 ,  $h$  =50 ,  $x$  =42 ,  $y$  =41 ,  $v$  =1200

$$\le =23$$
 , h =43 , x =66 , y =41 , v =989

$$\le =11$$
 ,  $h=46$  ,  $x=89$  ,  $y=0$  ,  $v=506$ 



$$\le =79$$
 , h =28 , x =0 , y =0 , v =2212

$$\mathbf{w}=\!\!4\mathbf{5}$$
 ,  $\mathbf{h}=\!\!3\mathbf{2}$  ,  $\mathbf{x}=\!\!0$  ,  $\mathbf{y}=\!\!2\mathbf{8}$  ,  $\mathbf{v}=\!\!1440$ 

$$\le =14$$
 ,  $h=88$  ,  $x=86$  ,  $y=0$  ,  $v=1232$ 

$$\le =39$$
 , h =24 , x =0 , y =60 , v =936

$$\le =27$$
 , h =44 , x =59 , y =28 , v =1188

$$w=\!14$$
 ,  $h=\!41$  ,  $x=\!45$  ,  $y=\!28$  ,  $v=\!574$