$ClassName: \ Class\_10.2bp\text{-}45$ 

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

TypeNum: <u>97</u>
Num: <u>100</u>
OutS: <u>130000</u>
InS: <u>121589</u>
Rate: <u>0.935</u>
UB: <u>13</u>
LB0: <u>13</u>
LB: <u>13</u>

LBWithCut:  $\underline{\bf 13}$ NodeCut:  $\underline{\bf 0}$ 

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

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{13}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

is Opt:  $\underline{\mathbf{true}}$ 

TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.078 sTotalTime: 0.140 s

49x4		31x3	
	75x18		24x17
	92x78	3	

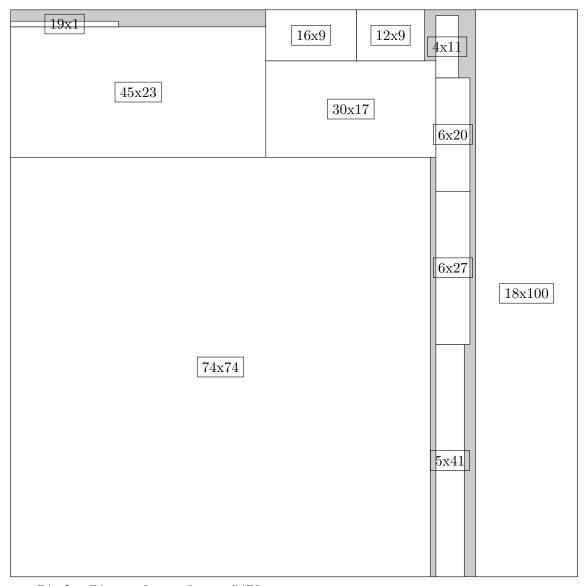
$$w = 92$$
,  $h = 78$ ,  $x = 0$ ,  $y = 0$ ,  $v = 7176$ 

$$\le -75$$
 , h =  
18 , x =  
0 , y =  
78 , v =  
1350

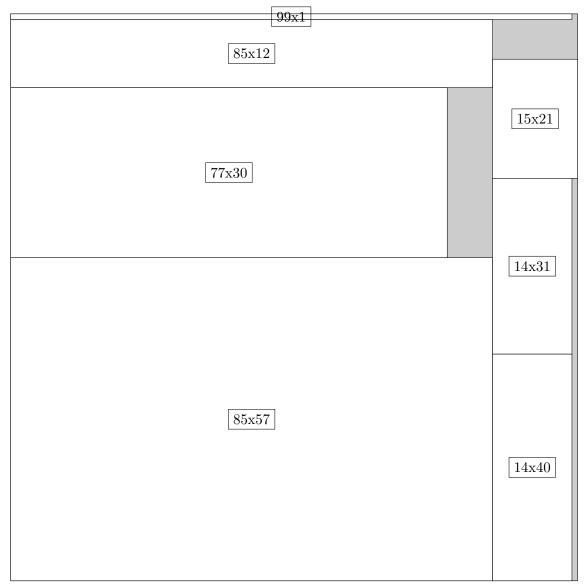
$$\le =24$$
 ,  $h$  =17 ,  $x$  =75 ,  $y$  =78 ,  $v$  =408

$$\le =49$$
 , h =4 , x =0 , y =96 , v =196

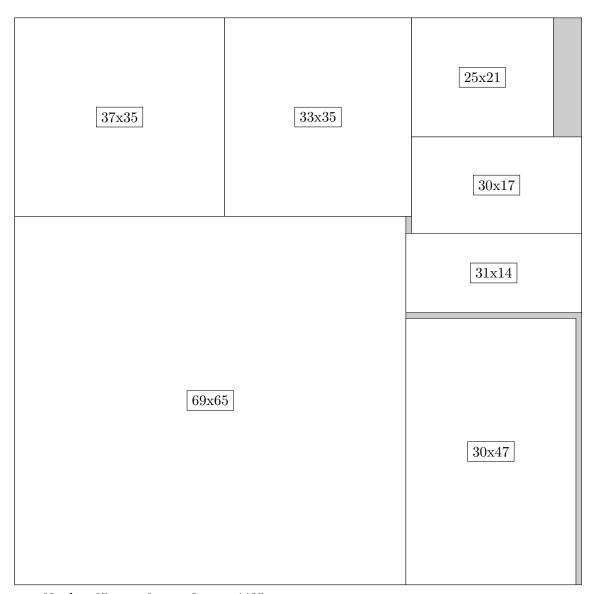
$$w=\!31$$
 ,  $h=\!3$  ,  $x=\!49$  ,  $y=\!96$  ,  $v=\!93$ 



```
\begin{array}{l} w=74\;,\; h=74\;,\; x=0\;,\; y=0\;,\; v=5476\\ w=18\;,\; h=100\;,\; x=82\;,\; y=0\;,\; v=1800\\ w=45\;,\; h=23\;,\; x=0\;,\; y=74\;,\; v=1035\\ w=30\;,\; h=17\;,\; x=45\;,\; y=74\;,\; v=510\\ w=5\;,\; h=41\;,\; x=75\;,\; y=0\;,\; v=205\\ w=6\;,\; h=27\;,\; x=75\;,\; y=41\;,\; v=162\\ w=16\;,\; h=9\;,\; x=45\;,\; y=91\;,\; v=144\\ w=6\;,\; h=20\;,\; x=75\;,\; y=68\;,\; v=120\\ w=12\;,\; h=9\;,\; x=61\;,\; y=91\;,\; v=108\\ w=4\;,\; h=11\;,\; x=75\;,\; y=88\;,\; v=44\\ w=19\;,\; h=1\;,\; x=0\;,\; y=97\;,\; v=19\\ \end{array}
```



$$\begin{array}{l} w = \! 85 \ , \ h = \! 57 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 4845 \\ w = \! 77 \ , \ h = \! 30 \ , \ x = \! 0 \ , \ y = \! 57 \ , \ v = \! 2310 \\ w = \! 85 \ , \ h = \! 12 \ , \ x = \! 0 \ , \ y = \! 87 \ , \ v = \! 1020 \\ w = \! 14 \ , \ h = \! 40 \ , \ x = \! 85 \ , \ y = \! 0 \ , \ v = \! 560 \\ w = \! 14 \ , \ h = \! 31 \ , \ x = \! 85 \ , \ y = \! 40 \ , \ v = \! 434 \\ w = \! 15 \ , \ h = \! 21 \ , \ x = \! 85 \ , \ y = \! 71 \ , \ v = \! 315 \\ w = \! 99 \ , \ h = \! 1 \ , \ x = \! 0 \ , \ y = \! 99 \ , \ v = \! 99 \end{array}$$



$$\mathbf{w}$$
 =69 , h =65 , x =0 , y =0 , v =4485

$$\le =30$$
 , h =47 , x =69 , y =0 , v =1410

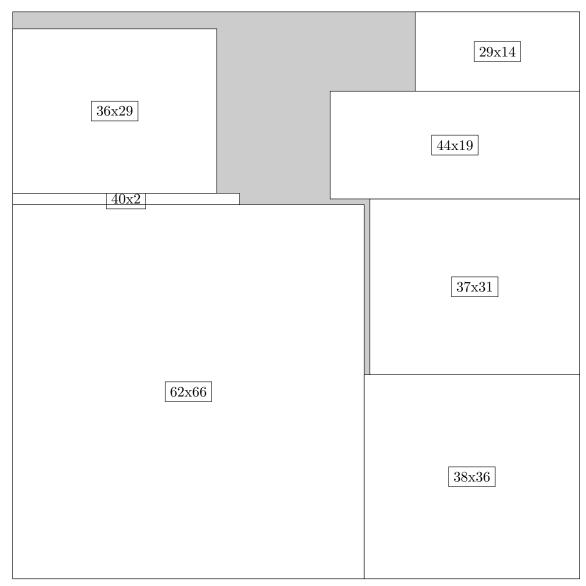
$$\le =37$$
 , h =35 , x =0 , y =65 , v =1295

$$\le =33$$
 , h =35 , x =37 , y =65 , v =1155

$$w$$
 =25 ,  $h$  =21 ,  $x$  =70 ,  $y$  =79 ,  $v$  =525

$$w=\!30$$
 ,  $h=\!17$  ,  $x=\!70$  ,  $y=\!62$  ,  $v=\!510$ 

$$w=\!31$$
 ,  $h=\!14$  ,  $x=\!69$  ,  $y=\!48$  ,  $v=\!434$ 



$$w = 62$$
,  $h = 66$ ,  $x = 0$ ,  $y = 0$ ,  $v = 4092$ 

$$\mathbf{w}=\!\!40$$
 ,  $\mathbf{h}=\!\!2$  ,  $\mathbf{x}=\!\!0$  ,  $\mathbf{y}=\!\!66$  ,  $\mathbf{v}=\!\!80$ 

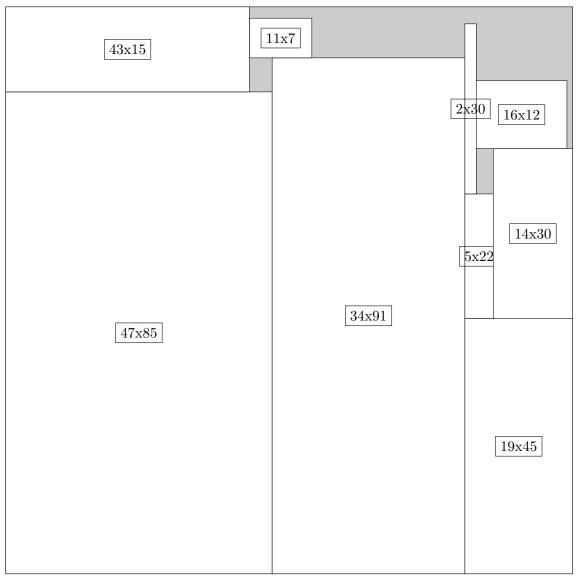
$$\le 38$$
 , h =36 , x =62 , y =0 , v =1368

$$\le =37$$
 , h =31 , x =63 , y =36 , v =1147

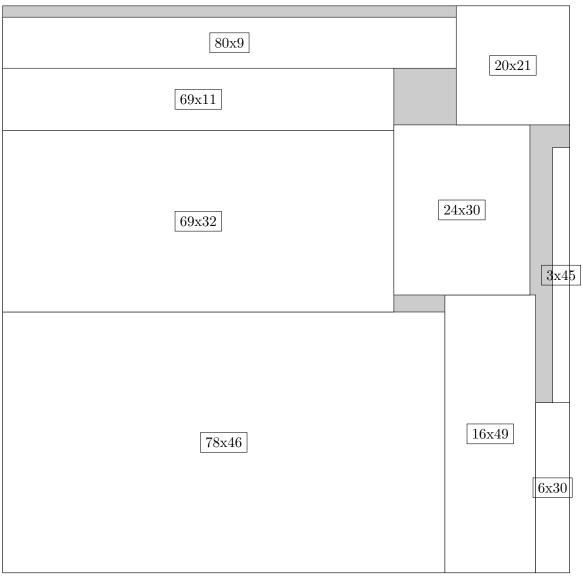
$$\le =36$$
 ,  $h=29$  ,  $x=0$  ,  $y=68$  ,  $v=1044$ 

$$w=\!44$$
 ,  $h=\!19$  ,  $x=\!56$  ,  $y=\!67$  ,  $v=\!836$ 

$$w=\!29$$
 ,  $h=\!14$  ,  $x=\!71$  ,  $y=\!86$  ,  $v=\!406$ 



$$\begin{array}{l} w = \!\!47 \;,\; h = \!\!85 \;,\; x = \!\!0 \;,\; y = \!\!0 \;,\; v = \!\!3995 \\ w = \!\!34 \;,\; h = \!\!91 \;,\; x = \!\!47 \;,\; y = \!\!0 \;,\; v = \!\!3094 \\ w = \!\!5 \;,\; h = \!\!22 \;,\; x = \!\!81 \;,\; y = \!\!45 \;,\; v = \!\!110 \\ w = \!\!19 \;,\; h = \!\!45 \;,\; x = \!\!81 \;,\; y = \!\!0 \;,\; v = \!\!855 \\ w = \!\!43 \;,\; h = \!\!15 \;,\; x = \!\!0 \;,\; y = \!\!85 \;,\; v = \!\!645 \\ w = \!\!14 \;,\; h = \!\!30 \;,\; x = \!\!86 \;,\; y = \!\!45 \;,\; v = \!\!420 \\ w = \!\!16 \;,\; h = \!\!12 \;,\; x = \!\!83 \;,\; y = \!\!75 \;,\; v = \!\!192 \\ w = \!\!11 \;,\; h = \!\!7 \;,\; x = \!\!43 \;,\; y = \!\!91 \;,\; v = \!\!77 \\ w = \!\!2 \;,\; h = \!\!30 \;,\; x = \!\!81 \;,\; y = \!\!67 \;,\; v = \!\!60 \\ \end{array}$$



$$\le -78$$
 , h =46 , x =0 , y =0 , v =3588

$$w = 69$$
,  $h = 32$ ,  $x = 0$ ,  $y = 46$ ,  $v = 2208$ 

$$\mathbf{w}$$
 =69 , h =11 , x =0 , y =78 , v =759

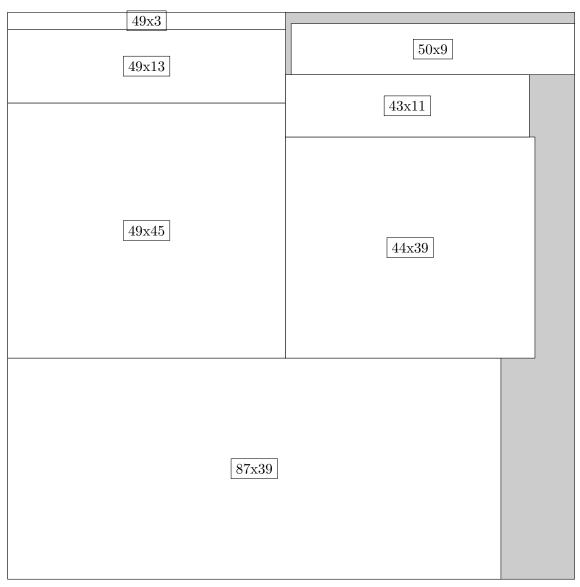
$$w = 80$$
,  $h = 9$ ,  $x = 0$ ,  $y = 89$ ,  $v = 720$ 

$$w = 24$$
,  $h = 30$ ,  $x = 69$ ,  $y = 49$ ,  $v = 720$ 

$$w = 20$$
,  $h = 21$ ,  $x = 80$ ,  $y = 79$ ,  $v = 420$ 

$$w = 6$$
,  $h = 30$ ,  $x = 94$ ,  $y = 0$ ,  $v = 180$ 

$$\le =3$$
 ,  $h=45$  ,  $x=97$  ,  $y=30$  ,  $v=135$ 



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

$$\le =49$$
 , h =45 , x =0 , y =39 , v =2205

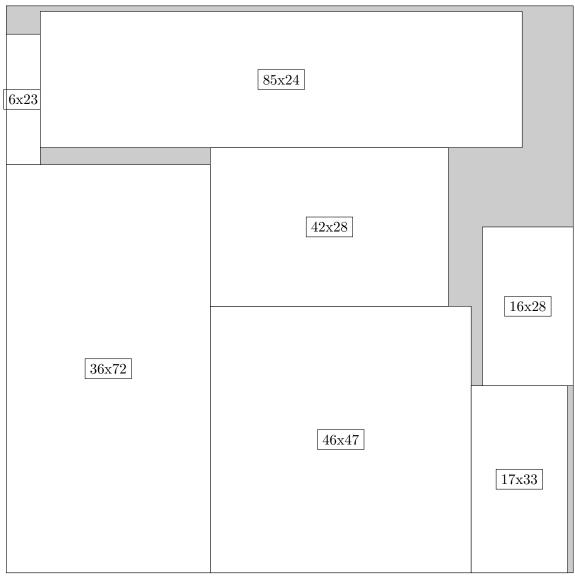
$$w=\!44$$
 ,  $h=\!39$  ,  $x=\!49$  ,  $y=\!39$  ,  $v=\!1716$ 

$$w = 49$$
,  $h = 13$ ,  $x = 0$ ,  $y = 84$ ,  $v = 637$ 

$$\le =43$$
 ,  $h$  =11 ,  $x$  =49 ,  $y$  =78 ,  $v$  =473

$$w$$
 =50 , h =9 , x =50 , y =89 , v =450

$$\le =49$$
 , h =3 , x =0 , y =97 , v =147



$$w = 36$$
,  $h = 72$ ,  $x = 0$ ,  $y = 0$ ,  $v = 2592$ 

$$\mathbf{w}=\!\!46$$
 ,  $\mathbf{h}=\!\!47$  ,  $\mathbf{x}=\!\!36$  ,  $\mathbf{y}=\!\!0$  ,  $\mathbf{v}=\!\!2162$ 

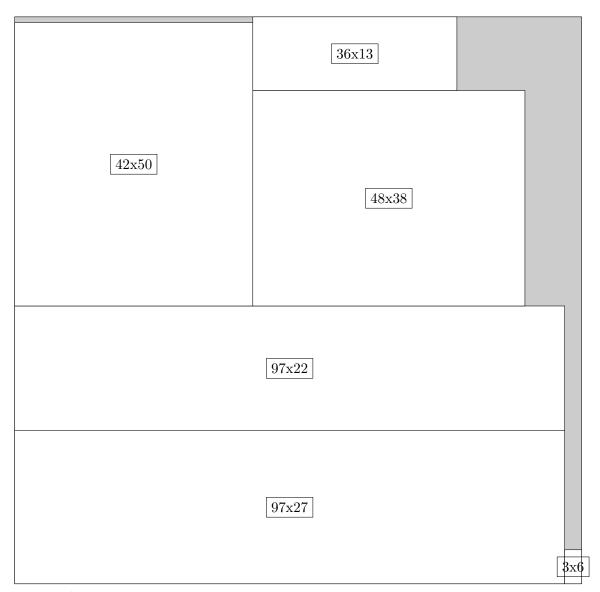
$$\le =42$$
 , h =28 , x =36 , y =47 , v =1176

$$\le =17$$
 , h =33 , x =82 , y =0 , v =561

$$w=\!16$$
 ,  $h=\!28$  ,  $x=\!84$  ,  $y=\!33$  ,  $v=\!448$ 

$$\mathbf{w}$$
 =6 , h =23 , x =0 , y =72 , v =138

$$\le =85$$
 ,  $h=24$  ,  $x=6$  ,  $y=75$  ,  $v=2040$ 



$$\le =97$$
 , h =27 , x =0 , y =0 , v =2619

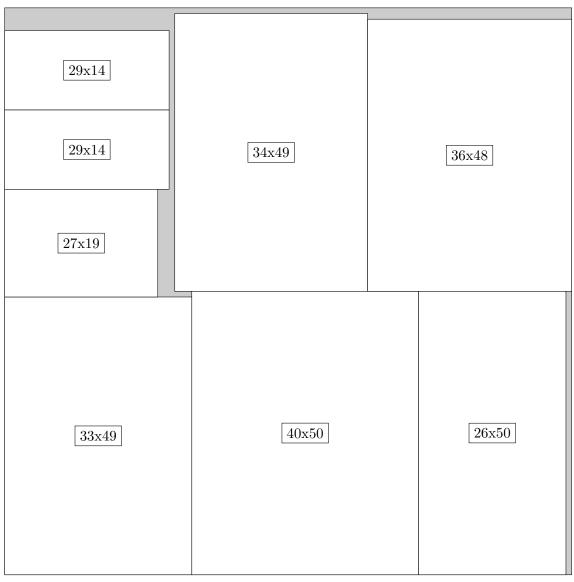
$$\le =97$$
 , h =22 , x =0 , y =27 , v =2134

$$\le =42$$
 ,  $h=\!50$  ,  $x=\!0$  ,  $y=\!49$  ,  $v=\!2100$ 

$$\le =48$$
 , h =38 , x =42 , y =49 , v =1824

$$\le =36$$
 ,  $h$  =13 ,  $x$  =42 ,  $y$  =87 ,  $v$  =468

$$\mathbf{w}$$
 =3 , h =6 , x =97 , y =0 , v =18



$$w = 34$$
,  $h = 49$ ,  $x = 30$ ,  $y = 50$ ,  $v = 1666$ 

$$w=\!36$$
 ,  $h=\!48$  ,  $x=\!64$  ,  $y=\!50$  ,  $v=\!1728$ 

$$w = 33$$
,  $h = 49$ ,  $x = 0$ ,  $y = 0$ ,  $v = 1617$ 

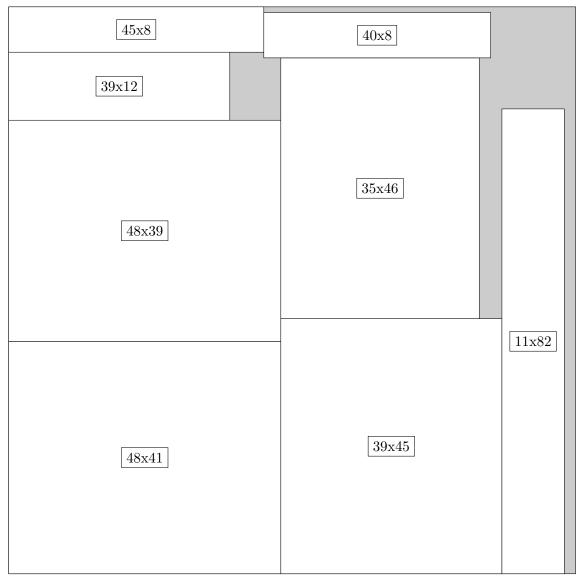
$$\le =26$$
 ,  $h$  =50 ,  $x$  =73 ,  $y$  =0 ,  $v$  =1300

$$\le =27$$
 ,  $h=19$  ,  $x=0$  ,  $y=49$  ,  $v=513$ 

$$\le =29$$
 ,  $h=14$  ,  $x=0$  ,  $y=68$  ,  $v=406$ 

$$\le =29$$
 ,  $h=14$  ,  $x=0$  ,  $y=82$  ,  $v=406$ 

 $<sup>\</sup>mathbf{w}$  =40 , h =50 , x =33 , y =0 , v =2000



$$\mathbf{w}$$
 =48 , h =41 , x =0 , y =0 , v =1968

$$w = 48$$
,  $h = 39$ ,  $x = 0$ ,  $y = 41$ ,  $v = 1872$ 

$$\le =39$$
 ,  $h=45$  ,  $x=48$  ,  $y=0$  ,  $v=1755$ 

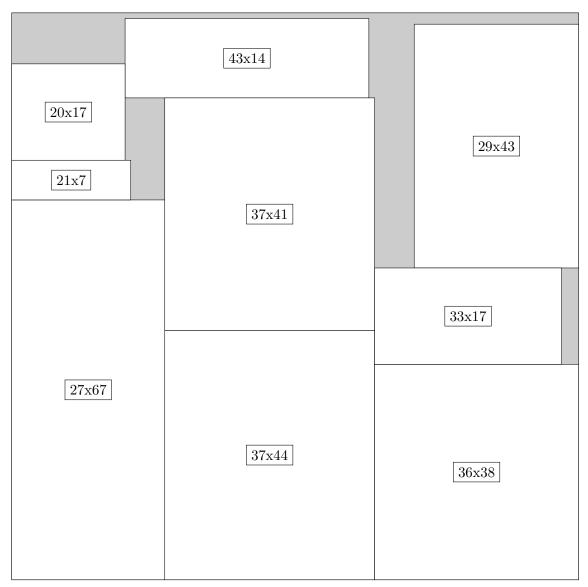
$$w = 35$$
,  $h = 46$ ,  $x = 48$ ,  $y = 45$ ,  $v = 1610$ 

$$\le =11$$
 ,  $h$  =82 ,  $x$  =87 ,  $y$  =0 ,  $v$  =902

$$\le =39$$
 , h =12 , x =0 , y =80 , v =468

$$\le =45$$
 ,  $h=8$  ,  $x=0$  ,  $y=92$  ,  $v=360$ 

$$\le =40$$
 , h =8 , x =45 , y =91 , v =320



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

$$\le =37$$
 , h =44 , x =27 , y =0 , v =1628

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

$$w = 29$$
,  $h = 43$ ,  $x = 71$ ,  $y = 55$ ,  $v = 1247$ 

$$\le =33$$
 ,  $h=17$  ,  $x=64$  ,  $y=38$  ,  $v=561$ 

$$w = 20$$
,  $h = 17$ ,  $x = 0$ ,  $y = 74$ ,  $v = 340$ 

$$w = 21$$
,  $h = 7$ ,  $x = 0$ ,  $y = 67$ ,  $v = 147$ 

$$w = 37$$
,  $h = 41$ ,  $x = 27$ ,  $y = 44$ ,  $v = 1517$