$ClassName: \ Class_10.2bp-49$

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

TypeNum: <u>98</u>
Num: <u>100</u>
OutS: <u>150000</u>
InS: <u>141006</u>
Rate: <u>0.940</u>
UB: <u>15</u>
LB0: <u>15</u>
LB: <u>15</u>

LBWithCut: **15**NodeCut: **0**

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

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{15}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{0.350 \ s} \\ {\rm TimeOnPrimal:} \ \underline{0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{0.078 \ s} \\ {\rm TotalTime:} \ \underline{0.475 \ s} \end{array}$

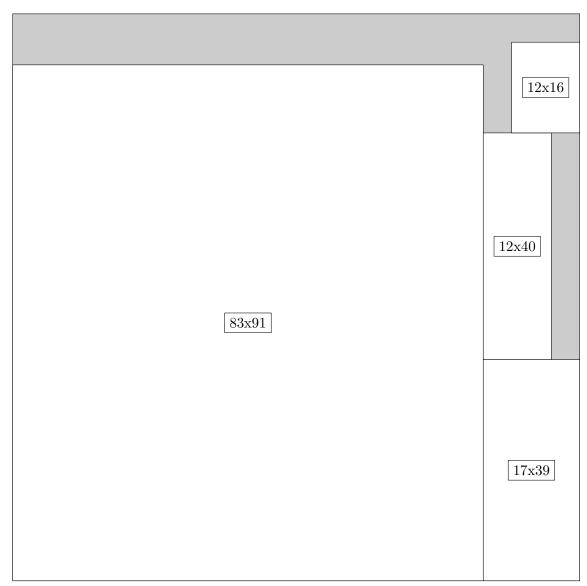
41x12	48x11	
[89x85	11x96

$$\le =89$$
 , h =85 , x =0 , y =0 , v =7565

$$\le =11$$
 , h =96 , x =89 , y =0 , v =1056

$$\le =48$$
 , $h=\!11$, $x=\!41$, $y=\!85$, $v=\!528$

$$\mathbf{w}$$
 =41 , h =12 , x =0 , y =85 , v =492

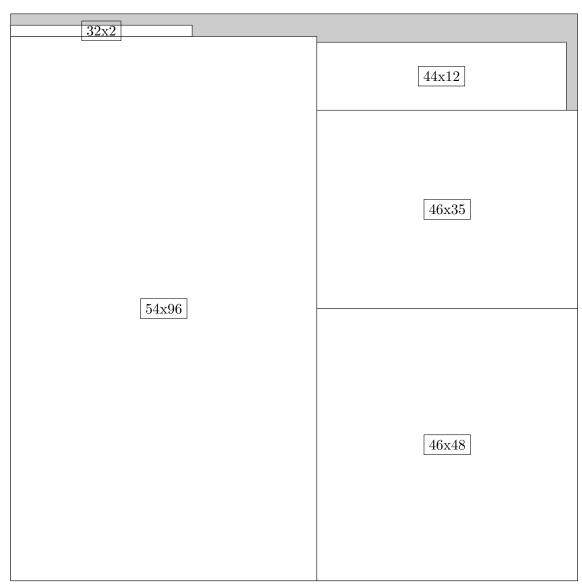


$$\le =83$$
 , h =91 , x =0 , y =0 , v =7553

$$\le =12$$
 , h =40 , x =83 , y =39 , v =480

$$\le =17$$
 , h =39 , x =83 , y =0 , v =663

$$w$$
 =12 , h =16 , x =88 , y =79 , v =192



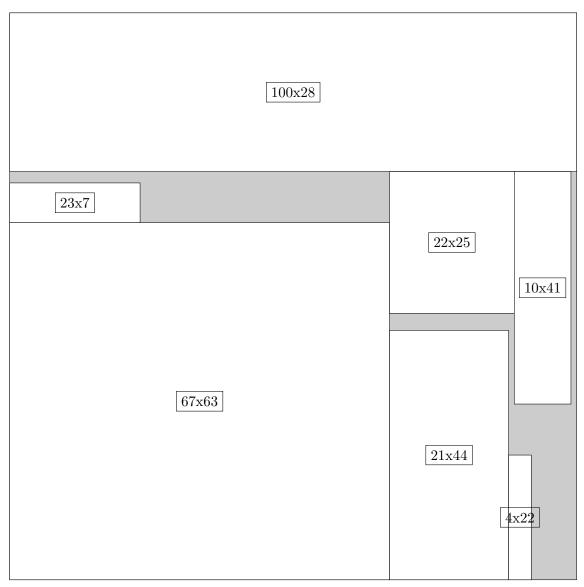
$$\mathbf{w}$$
 =54 , h =96 , x =0 , y =0 , v =5184

$$\le =46$$
 , h =48 , x =54 , y =0 , v =2208

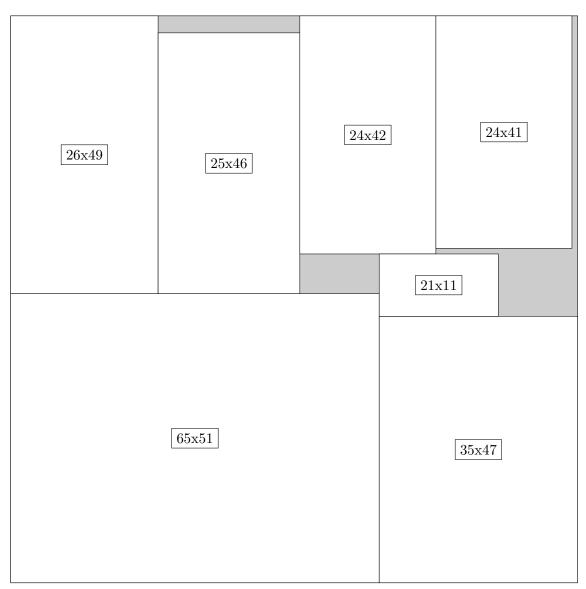
$$\le =46$$
 , h =35 , x =54 , y =48 , v =1610

$$\mathbf{w}$$
 =44 , h =12 , x =54 , y =83 , v =528

$$w = 32$$
, $h = 2$, $x = 0$, $y = 96$, $v = 64$



$$\begin{array}{l} w=67\;,\; h=63\;,\; x=0\;,\; y=0\;,\; v=4221\\ w=100\;,\; h=28\;,\; x=0\;,\; y=72\;,\; v=2800\\ w=21\;,\; h=44\;,\; x=67\;,\; y=0\;,\; v=924\\ w=22\;,\; h=25\;,\; x=67\;,\; y=47\;,\; v=550\\ w=10\;,\; h=41\;,\; x=89\;,\; y=31\;,\; v=410\\ w=23\;,\; h=7\;,\; x=0\;,\; y=63\;,\; v=161\\ w=4\;,\; h=22\;,\; x=88\;,\; y=0\;,\; v=88 \end{array}$$



$$w = 65$$
, $h = 51$, $x = 0$, $y = 0$, $v = 3315$

$$\le =35$$
 , h =47 , x =65 , y =0 , v =1645

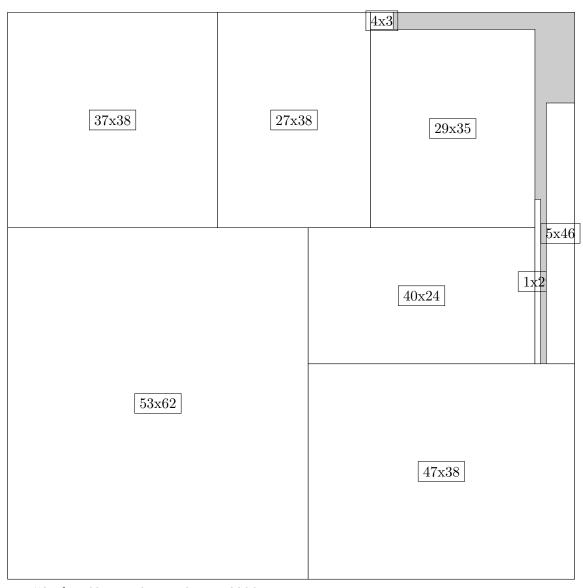
$$\le =26$$
 , h =49 , x =0 , y =51 , v =1274

$$\le =25$$
 , h =46 , x =26 , y =51 , v =1150

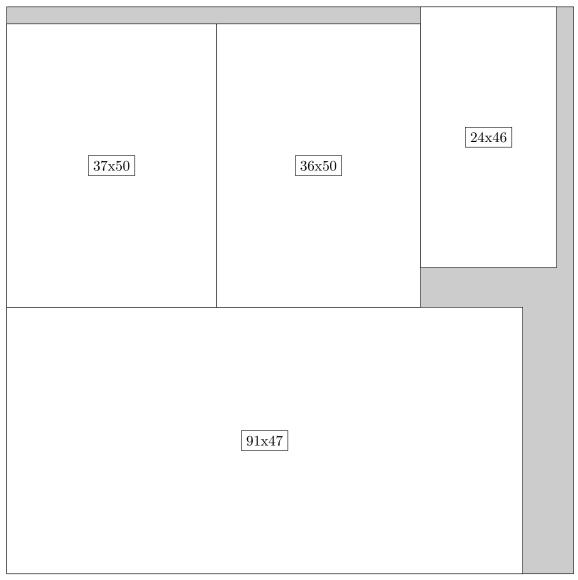
$$w$$
 =24 , h =42 , x =51 , y =58 , v =1008

$$w = 24$$
, $h = 41$, $x = 75$, $y = 59$, $v = 984$

$$w$$
 =21 , h =11 , x =65 , y =47 , v =231



$$\begin{array}{l} w=53\;,\; h=62\;,\; x=0\;,\; y=0\;,\; v=3286\\ w=47\;,\; h=38\;,\; x=53\;,\; y=0\;,\; v=1786\\ w=37\;,\; h=38\;,\; x=0\;,\; y=62\;,\; v=1406\\ w=27\;,\; h=38\;,\; x=37\;,\; y=62\;,\; v=1026\\ w=29\;,\; h=35\;,\; x=64\;,\; y=62\;,\; v=1015\\ w=40\;,\; h=24\;,\; x=53\;,\; y=38\;,\; v=960\\ w=1\;,\; h=29\;,\; x=93\;,\; y=38\;,\; v=29\\ w=5\;,\; h=46\;,\; x=95\;,\; y=38\;,\; v=230\\ w=4\;,\; h=3\;,\; x=64\;,\; y=97\;,\; v=12\\ \end{array}$$

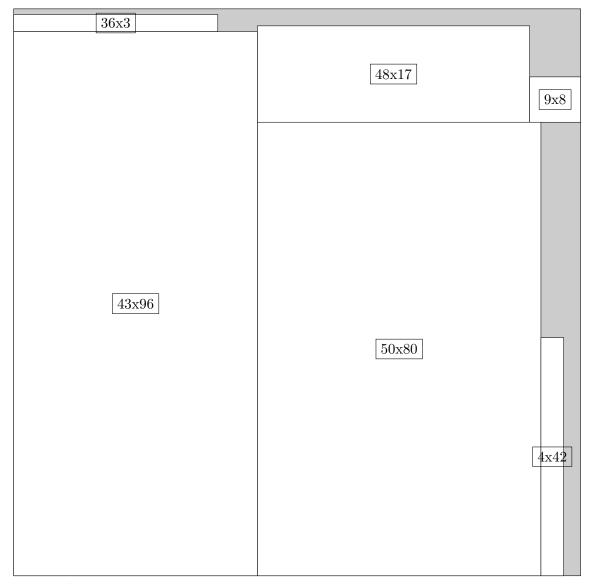


$$\le =91$$
 , $h=47$, $x=0$, $y=0$, $v=4277$

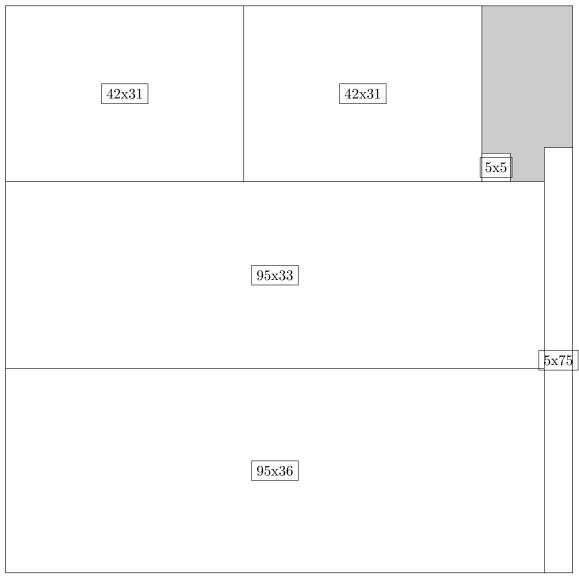
$$\le =37$$
 , h $=\!50$, x $=\!0$, y $=\!47$, v $=\!1850$

$$\le =36$$
 , h =50 , x =37 , y =47 , v =1800

$$\le =24$$
 , h =46 , x =73 , y =54 , v =1104



$$\begin{array}{l} w = \! 43 \; , \; h = \! 96 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4128 \\ w = \! 50 \; , \; h = \! 80 \; , \; x = \! 43 \; , \; y = \! 0 \; , \; v = \! 4000 \\ w = \! 48 \; , \; h = \! 17 \; , \; x = \! 43 \; , \; y = \! 80 \; , \; v = \! 816 \\ w = \! 4 \; , \; h = \! 42 \; , \; x = \! 93 \; , \; y = \! 0 \; , \; v = \! 168 \\ w = \! 36 \; , \; h = \! 3 \; , \; x = \! 0 \; , \; y = \! 96 \; , \; v = \! 108 \\ w = \! 9 \; , \; h = \! 8 \; , \; x = \! 91 \; , \; y = \! 80 \; , \; v = \! 72 \end{array}$$



$$w = 95$$
, $h = 36$, $x = 0$, $y = 0$, $v = 3420$

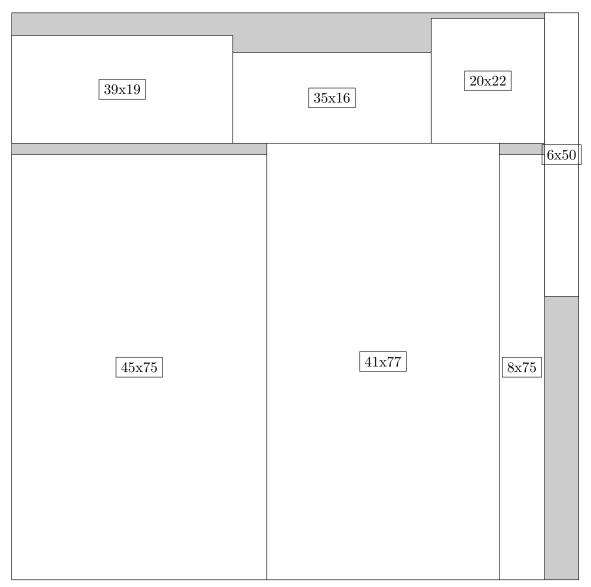
$$\le =95$$
 , h =33 , x =0 , y =36 , v =3135

$$\le =42$$
 , h =31 , x =0 , y =69 , v =1302

$$\le =42$$
 , h =31 , x =42 , y =69 , v =1302

$$w$$
 =5 , h =75 , x =95 , y =0 , v =375

$$w$$
 =5 , h =5 , x =84 , y =69 , v =25



$$w = 45$$
, $h = 75$, $x = 0$, $y = 0$, $v = 3375$

$$\le =41$$
 , $h=77$, $x=45$, $y=0$, $v=3157$

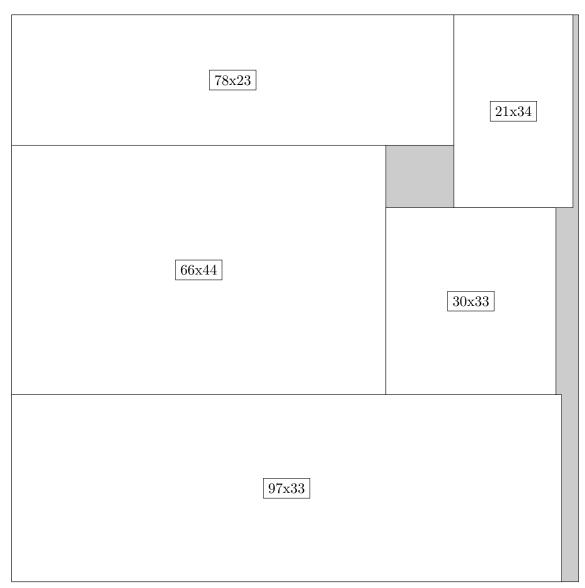
$$\le =39$$
 , h =19 , x =0 , y =77 , v =741

$$\le =8$$
 , h =75 , x =86 , y =0 , v =600

$$\le =35$$
 , h =16 , x =39 , y =77 , v =560

$$w$$
 =20 , h =22 , x =74 , y =77 , v =440

$$w$$
 =6 , h =50 , x =94 , y =50 , v =300



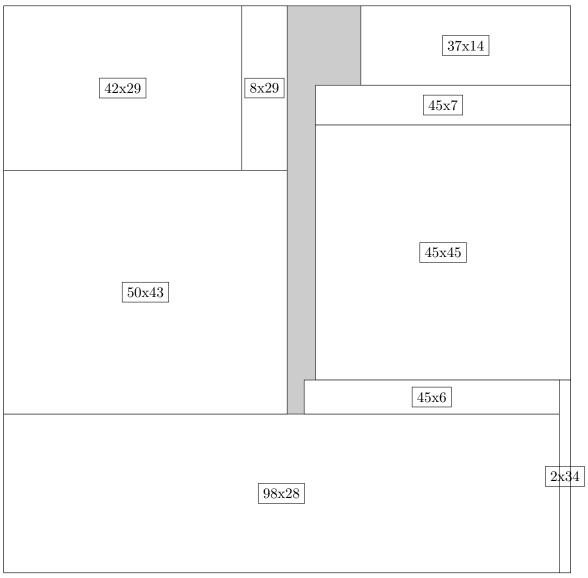
$$w=\!97$$
 , $h=\!33$, $x=\!0$, $y=\!0$, $v=\!3201$

$$\le =66$$
 , h =44 , x =0 , y =33 , v =2904

$$\le -78$$
 , h =
23 , x =
0 , y =
77 , v =
1794

$$\le =30$$
 , h =33 , x =66 , y =33 , v =990

$$\le =21$$
 , h =34 , x =78 , y =66 , v =714



$$w = 98$$
, $h = 28$, $x = 0$, $y = 0$, $v = 2744$

$$w=\!50$$
 , $h=\!43$, $x=\!0$, $y=\!28$, $v=\!2150$

$$\le =45$$
 , $h=45$, $x=55$, $y=34$, $v=2025$

$$\mathbf{w}$$
 =42 , h =29 , x =0 , y =71 , v =1218

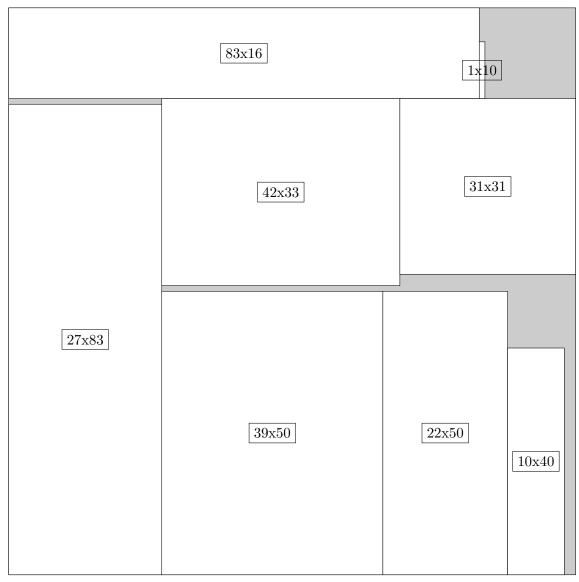
$$\le =37$$
 , $h=14$, $x=\!63$, $y=\!86$, $v=\!518$

$$\mathbf{w}$$
 =45 , h =7 , x =55 , y =79 , v =315

$$w = 45$$
, $h = 6$, $x = 53$, $y = 28$, $v = 270$

$$\le =8$$
 , h =29 , x =42 , y =71 , v =232

$$w = 2$$
, $h = 34$, $x = 98$, $y = 0$, $v = 68$



$$\le =27$$
 , $h=83$, $x=0$, $y=0$, $v=2241$

$$\le =39$$
 , $h=50$, $x=27$, $y=0$, $v=1950$

$$\le =42$$
 , h =33 , x =27 , y =51 , v =1386

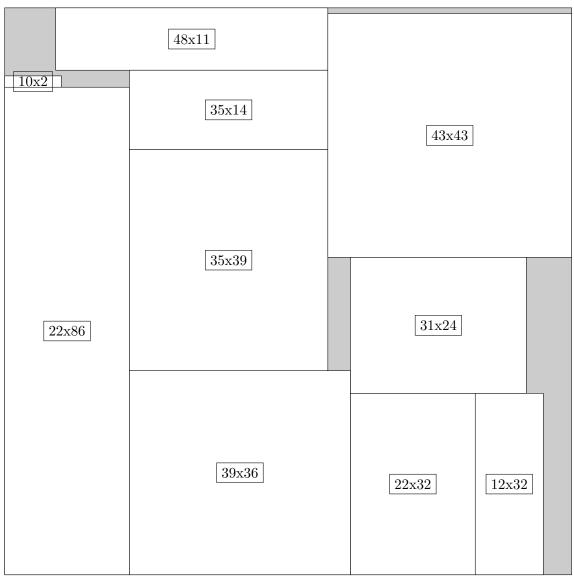
$$w = 83$$
, $h = 16$, $x = 0$, $y = 84$, $v = 1328$

$$\le =22$$
 , $h=\!50$, $x=\!66$, $y=\!0$, $v=\!1100$

$$\le =31$$
 , $h=31$, $x=69$, $y=53$, $v=961$

$$\mathbf{w}$$
 =10 , h =40 , x =88 , y =0 , v =400

$$w=\!1$$
 , $h=\!10$, $x=\!83$, $y=\!84$, $v=\!10$



$$w = 22$$
, $h = 86$, $x = 0$, $y = 0$, $v = 1892$

$$w=\!39$$
 , $h=\!36$, $x=\!22$, $y=\!0$, $v=\!1404$

$$\le =35$$
 , h =39 , x =22 , y =36 , v =1365

$$w = 31$$
, $h = 24$, $x = 61$, $y = 32$, $v = 744$

$$w$$
 =22 , h =32 , x =61 , y =0 , v =704

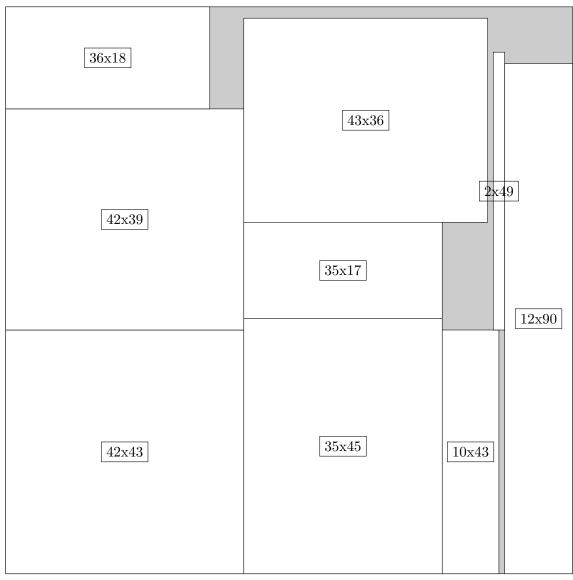
$$w$$
 =48 , h =11 , x =9 , y =89 , v =528

$$\le =35$$
 , $h=14$, $x=22$, $y=75$, $v=490$

$$w = 43$$
, $h = 43$, $x = 57$, $y = 56$, $v = 1849$

$$\le =12$$
 , h =32 , x =83 , y =0 , v =384

$$\mathbf{w}$$
 =10 , \mathbf{h} =2 , \mathbf{x} =0 , \mathbf{y} =86 , \mathbf{v} =20



$$w = 42$$
, $h = 43$, $x = 0$, $y = 0$, $v = 1806$

$$w = 42$$
, $h = 39$, $x = 0$, $y = 43$, $v = 1638$

$$\le =35$$
 , $h=45$, $x=42$, $y=0$, $v=1575$

$$w = 43$$
, $h = 36$, $x = 42$, $y = 62$, $v = 1548$

$$w = 12$$
, $h = 90$, $x = 88$, $y = 0$, $v = 1080$

$$w = 35$$
, $h = 17$, $x = 42$, $y = 45$, $v = 595$

$$\mathbf{w}$$
 =10 , h =43 , x =77 , y =0 , v =430

$$w$$
 =2 , h =49 , x =86 , y =43 , v =98

$$w = 36$$
, $h = 18$, $x = 0$, $y = 82$, $v = 648$