${\bf ClassName:}\ {\bf Class\_10.2bp\text{-}40}$ 

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

TypeNum: <u>98</u> Num: <u>100</u> OutS: <u>140000</u> InS: <u>135996</u> Rate: <u>0.971</u> UB: <u>14</u> LB0: <u>14</u> LB: <u>14</u>

LBWithCut:  $\underline{\mathbf{14}}$ NodeCut:  $\underline{\mathbf{0}}$ 

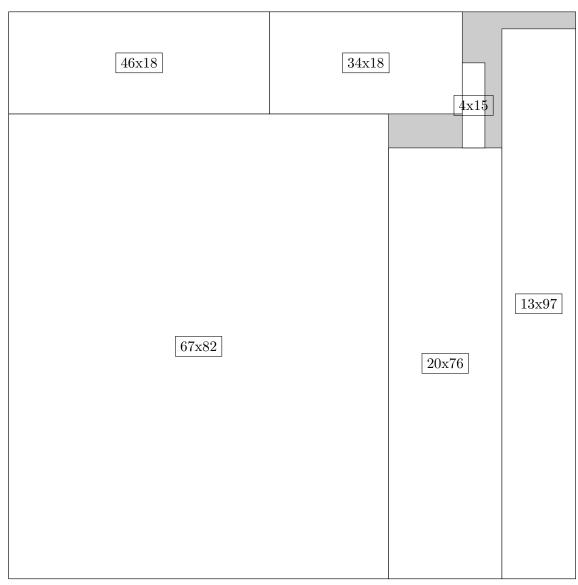
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

GenNodeCnt:  $\underline{\mathbf{1}}$ PrimalNode:  $\underline{\mathbf{0}}$ ColumnCount:  $\underline{\mathbf{14}}$ TotalCutCount:  $\underline{\mathbf{0}}$ RootCutCount:  $\underline{\mathbf{0}}$ LPSolverCnt:  $\underline{\mathbf{1}}$ PricingSolverCnt:  $\underline{\mathbf{0}}$ BranchAndBoundNum:  $\underline{\mathbf{1}}$ 

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

TimeOnInitSolution: 84.850 s

TimeOnPrimal: <u>0.000 s</u>
TimeOnPricing: <u>0.000 s</u>
TimeOnRmp: <u>0.078 s</u>
TotalTime: **84.990 s** 



$$w = 67$$
,  $h = 82$ ,  $x = 0$ ,  $y = 0$ ,  $v = 5494$ 

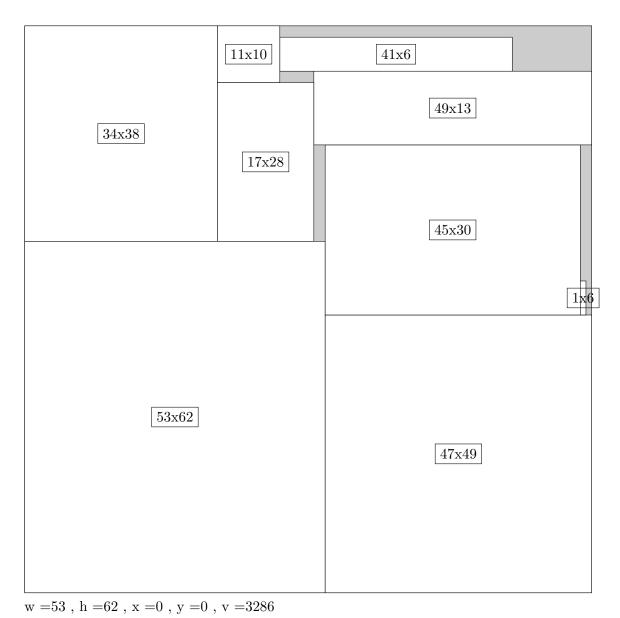
$$\le =20$$
 ,  $h$  =76 ,  $x$  =67 ,  $y$  =0 ,  $v$  =1520

$$\le =13$$
 , h =97 , x =87 , y =0 , v =1261

$$\mathbf{w}$$
 =46 , h =18 , x =0 , y =82 , v =828

$$\le =34$$
 ,  $h$  =18 ,  $x$  =46 ,  $y$  =82 ,  $v$  =612

$$\mathbf{w}$$
 =4 , h =15 , x =80 , y =76 , v =60



$$\begin{array}{l} w = \!\!47 \;,\; h = \!\!49 \;,\; x = \!\!53 \;,\; y = \!\!0 \;,\; v = \!\!2303 \\ w = \!\!45 \;,\; h = \!\!30 \;,\; x = \!\!53 \;,\; y = \!\!49 \;,\; v = \!\!1350 \\ w = \!\!34 \;,\; h = \!\!38 \;,\; x = \!\!0 \;,\; y = \!\!62 \;,\; v = \!\!1292 \\ w = \!\!49 \;,\; h = \!\!13 \;,\; x = \!\!51 \;,\; y = \!\!79 \;,\; v = \!\!637 \\ w = \!\!17 \;,\; h = \!\!28 \;,\; x = \!\!34 \;,\; y = \!\!62 \;,\; v = \!\!476 \\ w = \!\!41 \;,\; h = \!\!6 \;,\; x = \!\!45 \;,\; y = \!\!92 \;,\; v = \!\!246 \end{array}$$

$$w = 11$$
,  $h = 10$ ,  $x = 34$ ,  $y = 90$ ,  $v = 110$ 

$$\mathbf{w}$$
 =1 , h =6 , x =98 , y =49 , v =6

 18x4	15x4	29x10
71x96		$29\mathrm{x}49$
		29x41

$$\le -71$$
 , h =96 , x =0 , y =0 , v =6816

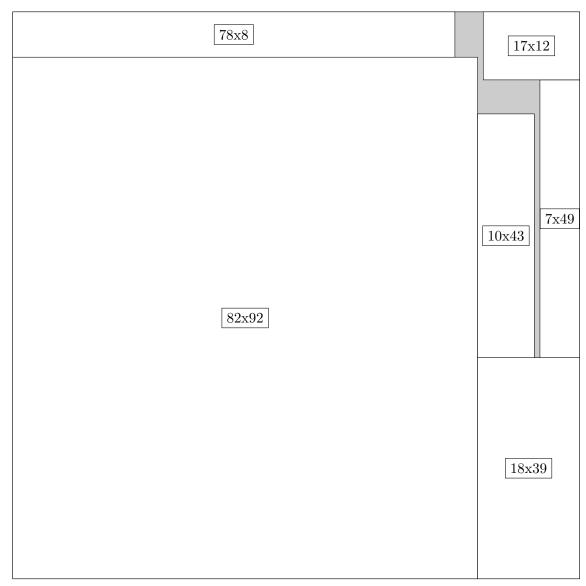
$$w=\!29$$
 ,  $h=\!41$  ,  $x=\!71$  ,  $y=\!0$  ,  $v=\!1189$ 

$$\le =29$$
 , h =49 , x =71 , y =41 , v =1421

$$w$$
 =29 ,  $h$  =10 ,  $x$  =71 ,  $y$  =90 ,  $v$  =290

$$\le =15$$
 , h =4 , x =48 , y =96 , v =60

$$\le =48$$
 , h =4 , x =0 , y =96 , v =192



w = 82, h = 92, x = 0, y = 0, v = 7544

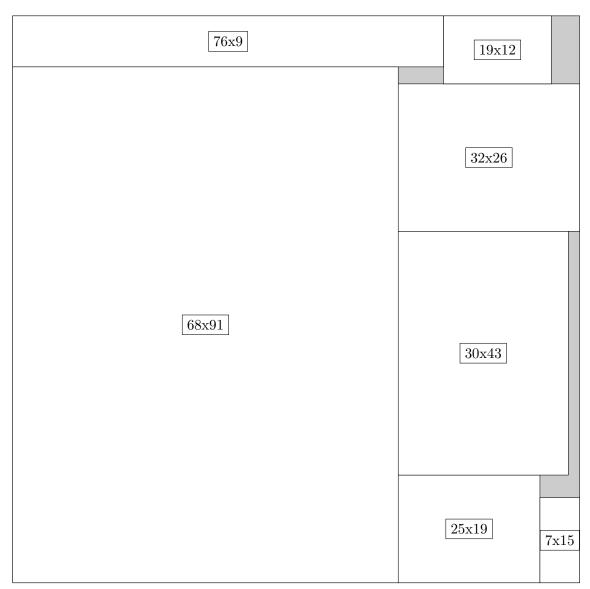
 $\le =18$  , h =39 , x =82 , y =0 , v =702

 $\le -78$  , h = 8 , x = 0 , y = 92 , v = 624

 $\le =10$  , h =43 , x =82 , y =39 , v =430

w =7 , h =49 , x =93 , y =39 , v =343

 $w=\!17$  ,  $h=\!12$  ,  $x=\!83$  ,  $y=\!88$  ,  $v=\!204$ 



$$w = 25$$
,  $h = 19$ ,  $x = 68$ ,  $y = 0$ ,  $v = 475$ 

$$\le =30$$
 , h =43 , x =68 , y =19 , v =1290

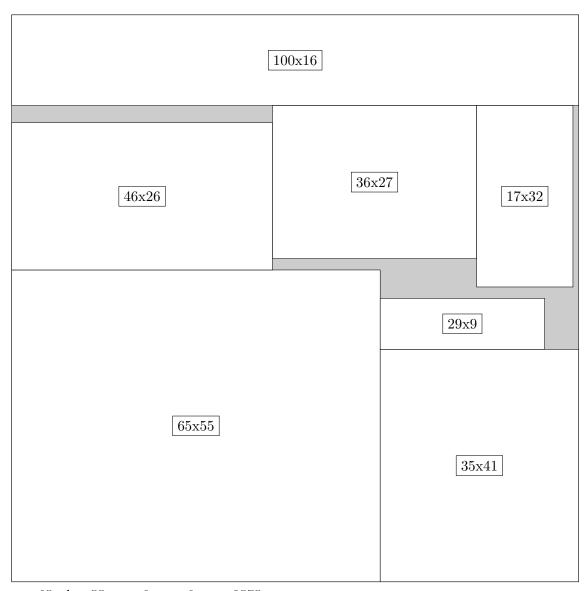
$$\le =32$$
 ,  $h=26$  ,  $x=68$  ,  $y=62$  ,  $v=832$ 

$$\mathbf{w}$$
 =76 , h =9 , x =0 , y =91 , v =684

$$w$$
 =7 ,  $h$  =15 ,  $x$  =93 ,  $y$  =0 ,  $v$  =105

$$w=\!19$$
 ,  $h=\!12$  ,  $x=\!76$  ,  $y=\!88$  ,  $v=\!228$ 

$$\le =68$$
 ,  $h=91$  ,  $x=0$  ,  $y=0$  ,  $v=6188$ 



$$\begin{array}{l} w = \!\!65 \;, \; h = \!\!55 \;, \; x = \!\!0 \;, \; y = \!\!0 \;, \; v = \!\!3575 \\ w = \!\!100 \;, \; h = \!\!16 \;, \; x = \!\!0 \;, \; y = \!\!84 \;, \; v = \!\!1600 \end{array}$$

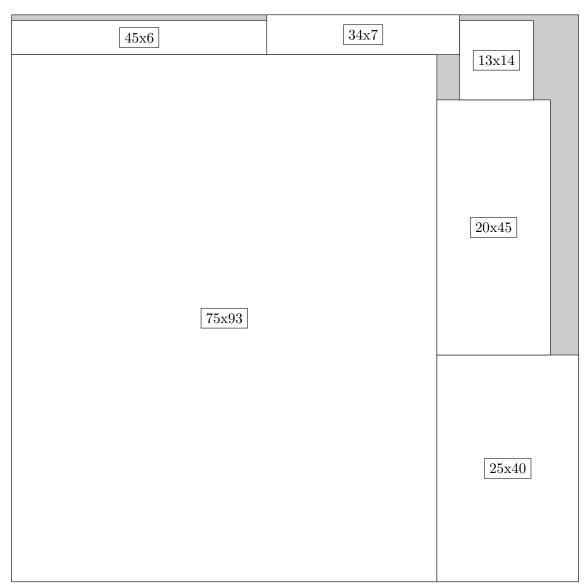
$$w = 35$$
,  $h = 41$ ,  $x = 65$ ,  $y = 0$ ,  $v = 1435$ 

$$w = 46$$
,  $h = 26$ ,  $x = 0$ ,  $y = 55$ ,  $v = 1196$ 

$$w = 36$$
,  $h = 27$ ,  $x = 46$ ,  $y = 57$ ,  $v = 972$ 

$$\le =17$$
 , h =32 , x =82 , y =52 , v =544

$$w = 29$$
,  $h = 9$ ,  $x = 65$ ,  $y = 41$ ,  $v = 261$ 



$$w = 75$$
,  $h = 93$ ,  $x = 0$ ,  $y = 0$ ,  $v = 6975$ 

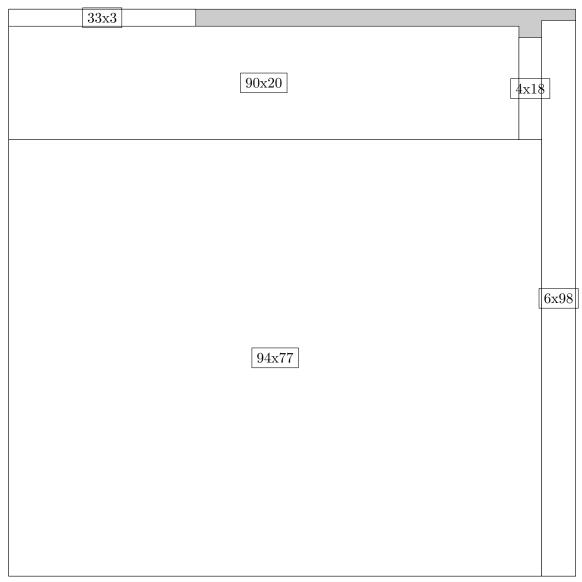
$$w$$
 =25 , h =40 , x =75 , y =0 , v =1000

$$\le =20$$
 , h =45 , x =75 , y =40 , v =900

$$\le =45$$
 , h =6 , x =0 , y =93 , v =270

$$\le =34$$
 , h =7 , x =45 , y =93 , v =238

$$w=\!13$$
 ,  $h=\!14$  ,  $x=\!79$  ,  $y=\!85$  ,  $v=\!182$ 



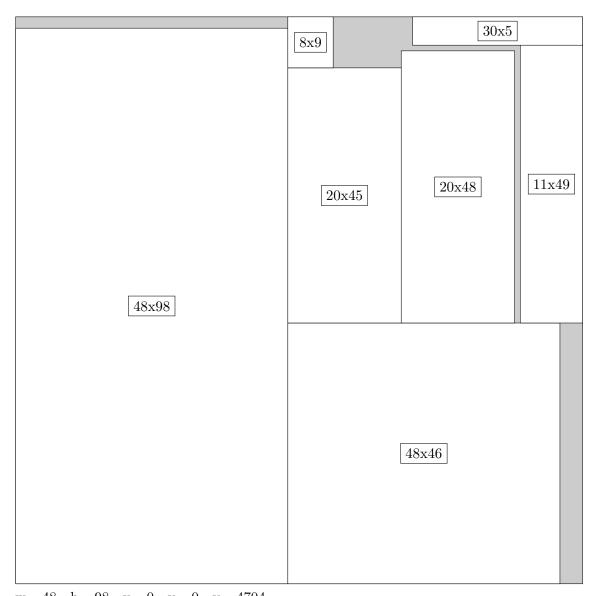
$$\le =94$$
 ,  $h$  =77 ,  $x$  =0 ,  $y$  =0 ,  $v$  =7238

$$\mathbf{w}$$
 =90 , h =20 , x =0 , y =77 , v =1800

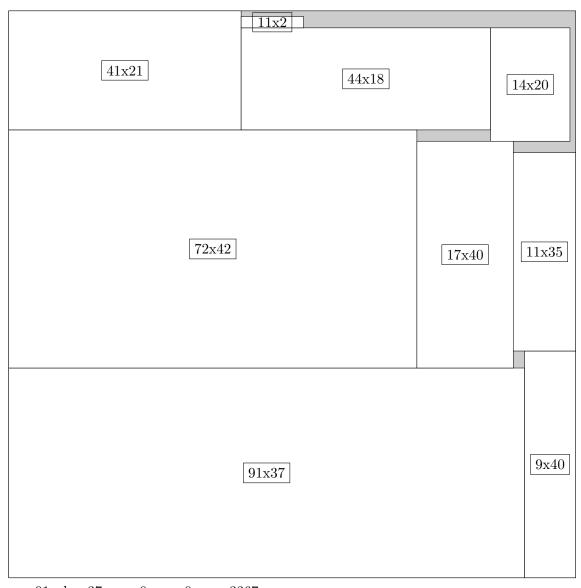
$$\mathbf{w}$$
 =6 , h =98 , x =94 , y =0 , v =588

$$\le =33$$
 , h =3 , x =0 , y =97 , v =99

$$\mathbf{w}$$
 =4 , h =18 , x =90 , y =77 , v =72



 $\begin{array}{l} w = \! 48 \; , \; h = \! 98 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 4704 \\ w = \! 48 \; , \; h = \! 46 \; , \; x = \! 48 \; , \; y = \! 0 \; , \; v = \! 2208 \\ w = \! 20 \; , \; h = \! 48 \; , \; x = \! 68 \; , \; y = \! 46 \; , \; v = \! 960 \\ w = \! 11 \; , \; h = \! 49 \; , \; x = \! 89 \; , \; y = \! 46 \; , \; v = \! 539 \\ w = \! 20 \; , \; h = \! 45 \; , \; x = \! 48 \; , \; y = \! 46 \; , \; v = \! 900 \\ w = \! 30 \; , \; h = \! 5 \; , \; x = \! 70 \; , \; y = \! 95 \; , \; v = \! 150 \\ w = \! 8 \; , \; h = \! 9 \; , \; x = \! 48 \; , \; y = \! 91 \; , \; v = \! 72 \\ \end{array}$ 



$$w = 91$$
,  $h = 37$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3367$   
 $w = 72$ ,  $h = 42$ ,  $x = 0$ ,  $y = 37$ ,  $v = 3024$ 

$$w = 12$$
,  $h = 42$ ,  $x = 0$ ,  $y = 57$ ,  $v = 302$   
 $w = 41$ ,  $h = 21$ ,  $x = 0$ ,  $y = 79$ ,  $v = 861$ 

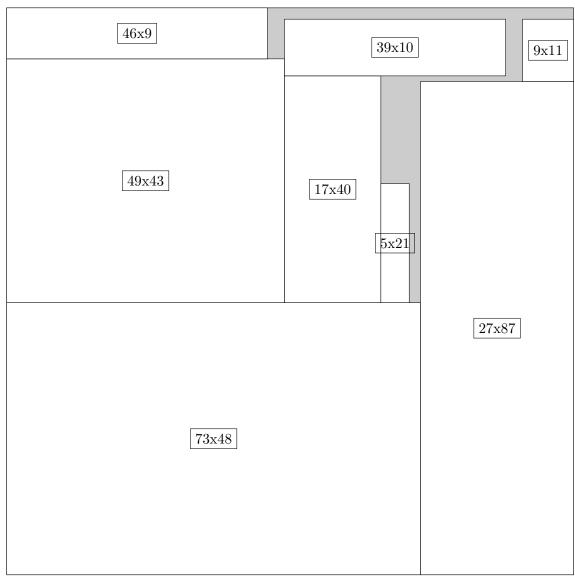
$$w = 17$$
,  $h = 40$ ,  $x = 72$ ,  $y = 37$ ,  $v = 680$ 

$$\le =9$$
 , h =40 , x =91 , y =0 , v =360

$$w = 11$$
,  $h = 35$ ,  $x = 89$ ,  $y = 40$ ,  $v = 385$ 

$$\le =14$$
 , h =20 , x =85 , y =77 , v =280

$$\mathbf{w}$$
 =11 , h =2 , x =41 , y =97 , v =22



$$w = 73$$
,  $h = 48$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3504$ 

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

$$w = 49$$
,  $h = 43$ ,  $x = 0$ ,  $y = 48$ ,  $v = 2107$ 

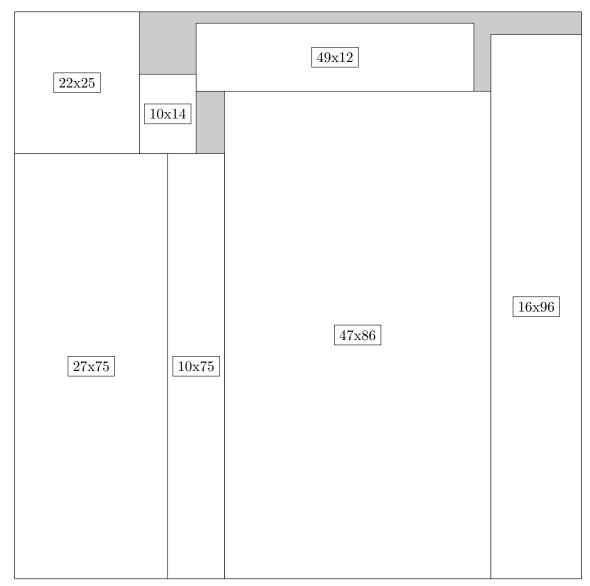
$$w = 17$$
,  $h = 40$ ,  $x = 49$ ,  $y = 48$ ,  $v = 680$ 

$$\mathbf{w}$$
 =46 , h =9 , x =0 , y =91 , v =414

$$\le =39$$
 ,  $h=10$  ,  $x=49$  ,  $y=88$  ,  $v=390$ 

$$w=\!5$$
 ,  $h=\!21$  ,  $x=\!66$  ,  $y=\!48$  ,  $v=\!105$ 

$$w$$
 =9 , h =11 , x =91 , y =87 , v =99



$$\le =27$$
 ,  $h$  =75 ,  $x$  =0 ,  $y$  =0 ,  $v$  =2025

$$w=\!47$$
 ,  $h=\!86$  ,  $x=\!37$  ,  $y=\!0$  ,  $v=\!4042$ 

$$w = 49$$
,  $h = 12$ ,  $x = 32$ ,  $y = 86$ ,  $v = 588$ 

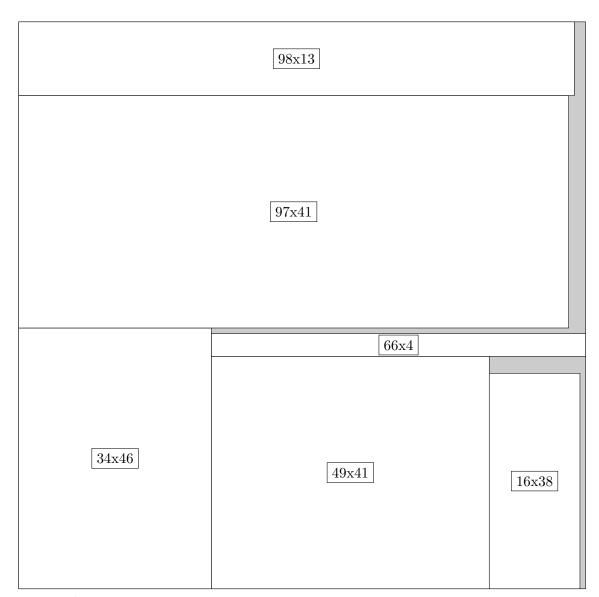
$$\le =22$$
 , h =25 , x =0 , y =75 , v =550

$$\le =16$$
 ,  $h=96$  ,  $x=84$  ,  $y=0$  ,  $v=1536$ 

$$w = 10$$
,  $h = 14$ ,  $x = 22$ ,  $y = 75$ ,  $v = 140$ 



$$\begin{array}{l} w=77 \;,\; h=27 \;,\; x=0 \;,\; y=0 \;,\; v=2079 \\ w=41 \;,\; h=41 \;,\; x=0 \;,\; y=27 \;,\; v=1681 \\ w=13 \;,\; h=33 \;,\; x=41 \;,\; y=52 \;,\; v=429 \\ w=20 \;,\; h=68 \;,\; x=80 \;,\; y=7 \;,\; v=1360 \\ w=39 \;,\; h=25 \;,\; x=41 \;,\; y=27 \;,\; v=975 \\ w=43 \;,\; h=19 \;,\; x=57 \;,\; y=81 \;,\; v=817 \\ w=26 \;,\; h=29 \;,\; x=54 \;,\; y=52 \;,\; v=754 \\ w=43 \;,\; h=13 \;,\; x=13 \;,\; y=86 \;,\; v=559 \\ w=25 \;,\; h=18 \;,\; x=13 \;,\; y=68 \;,\; v=450 \\ w=13 \;,\; h=32 \;,\; x=0 \;,\; y=68 \;,\; v=416 \\ w=22 \;,\; h=7 \;,\; x=77 \;,\; y=0 \;,\; v=154 \\ \end{array}$$



$$\le =34$$
 ,  $h$  =46 ,  $x$  =0 ,  $y$  =0 ,  $v$  =1564

$$\le =97$$
 , h =41 , x =0 , y =46 , v =3977

$$\le =49$$
 , h =41 , x =34 , y =0 , v =2009

$$\le =98$$
 , h =13 , x =0 , y =87 , v =1274

$$\mathbf{w}$$
 =16 , h =38 , x =83 , y =0 , v =608

$$\mathbf{w}$$
 =66 , h =4 , x =34 , y =41 , v =264