${\bf ClassName:}\ {\bf Class\_10.2bp\text{-}36}$ 

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

TypeNum: <u>80</u>
Num: <u>80</u>
OutS: <u>140000</u>
InS: <u>133537</u>
Rate: <u>0.954</u>
UB: <u>14</u>
LB0: <u>14</u>
LB: <u>14</u>

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

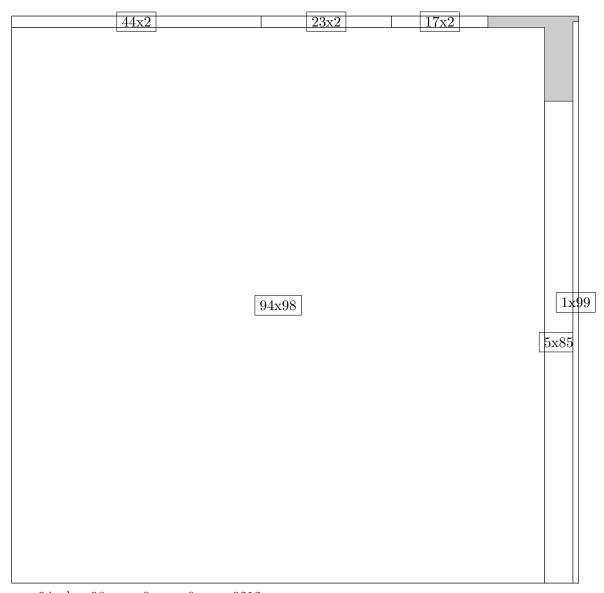
 $\operatorname{ExtendedNodeCnt}$ :  $\underline{\mathbf{1}}$ 

GenNodeCnt: 1
PrimalNode: 0
ColumnCount: 14
TotalCutCount: 0
RootCutCount: 1
PricingSolverCnt: 1
PricingSolverCnt: 0
Branch And Bound Nu

Branch And<br/>Bound Num:  $\underline{\mathbf{1}}$ 

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

 $\begin{array}{ll} {\rm TimeOnInitSolution:} \ \underline{\bf 3.540 \ s} \\ {\rm TimeOnPrimal:} \ \underline{\bf 0.000 \ s} \\ {\rm TimeOnPricing:} \ \underline{\bf 0.000 \ s} \\ {\rm TimeOnRmp:} \ \underline{\bf 0.094 \ s} \\ {\rm TotalTime:} \ \mathbf{3.696 \ s} \end{array}$ 

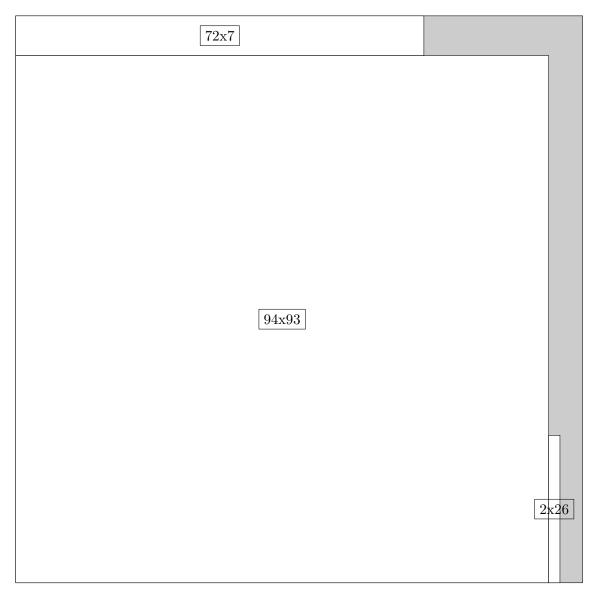


 $\begin{array}{l} w = \! 94 \; , \; h = \! 98 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 9212 \\ w = \! 5 \; , \; h = \! 85 \; , \; x = \! 94 \; , \; y = \! 0 \; , \; v = \! 425 \\ w = \! 1 \; , \; h = \! 99 \; , \; x = \! 99 \; , \; y = \! 0 \; , \; v = \! 99 \end{array}$ 

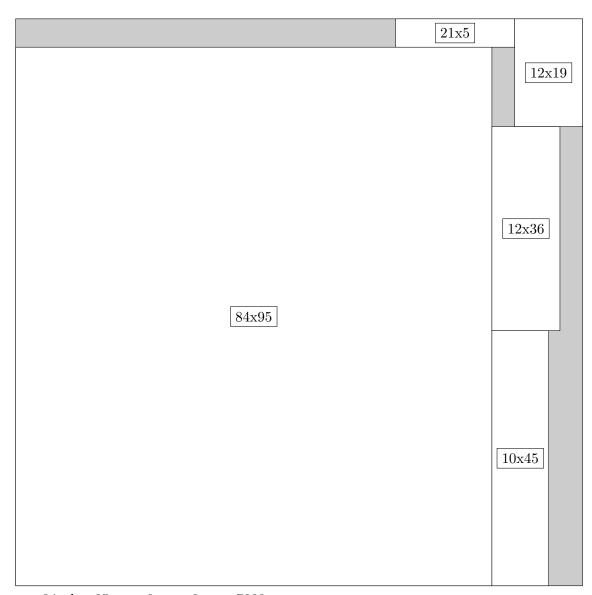
 $\mathbf{w}$  =44 , h =2 , x =0 , y =98 , v =88

 $\le =23$  , h =2 , x =44 , y =98 , v =46

 $\le =17$  , h =2 , x =67 , y =98 , v =34



$$\begin{array}{l} w = 94 \ , \ h = 93 \ , \ x = 0 \ , \ y = 0 \ , \ v = 8742 \\ w = 72 \ , \ h = 7 \ , \ x = 0 \ , \ y = 93 \ , \ v = 504 \\ w = 2 \ , \ h = 26 \ , \ x = 94 \ , \ y = 0 \ , \ v = 52 \end{array}$$



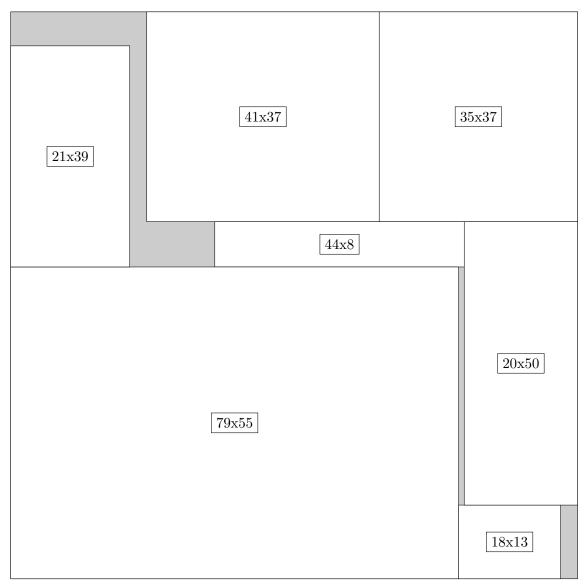
 $\le =84$  , h =95 , x =0 , y =0 , v =7980

 $\le =10$  , h=45 , x=84 , y=0 , v=450

 $\le =12$  , h =36 , x =84 , y =45 , v =432

 $\le =12$  , h=19 , x=88 , y=81 , v=228

 $\le =21$  , h=5 , x=67 , y=95 , v=105



$$w = 18$$
,  $h = 13$ ,  $x = 79$ ,  $y = 0$ ,  $v = 234$ 

$$w$$
 =20 , h =50 , x =80 , y =13 , v =1000

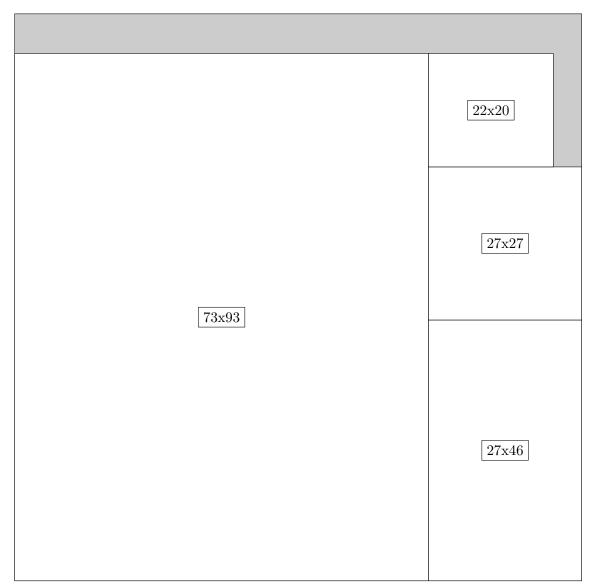
$$\le =44$$
 , h =8 , x =36 , y =55 , v =352

$$\le =35$$
 , h =37 , x =65 , y =63 , v =1295

$$\le =79$$
 , h =  
55 , x =0 , y =  
0 , v =  
4345

$$\le =21$$
 ,  $h=39$  ,  $x=0$  ,  $y=55$  ,  $v=819$ 

$$w = 41$$
,  $h = 37$ ,  $x = 24$ ,  $y = 63$ ,  $v = 1517$ 

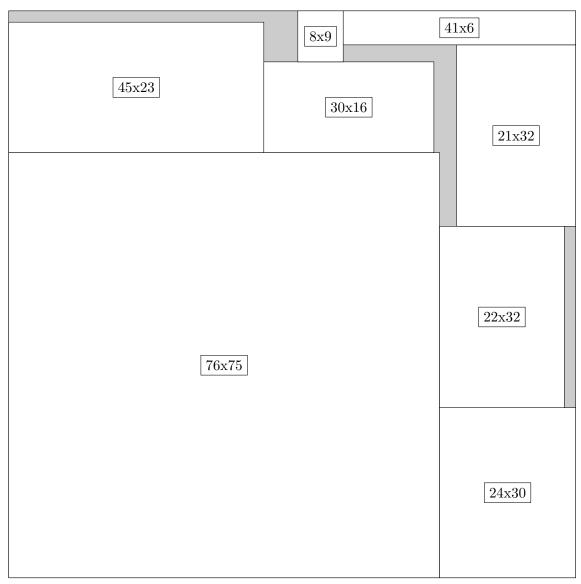


$$\mathbf{w}$$
 =73 , h =93 , x =0 , y =0 , v =6789

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

$$\le =27$$
 , h =27 , x =73 , y =46 , v =729

$$\le =22$$
 , h =20 , x =73 , y =73 , v =440



$$w = 76$$
,  $h = 75$ ,  $x = 0$ ,  $y = 0$ ,  $v = 5700$ 

$$\mathbf{w}$$
 =45 , h =23 , x =0 , y =75 , v =1035

$$\le =24$$
 ,  $h=30$  ,  $x=76$  ,  $y=0$  ,  $v=720$ 

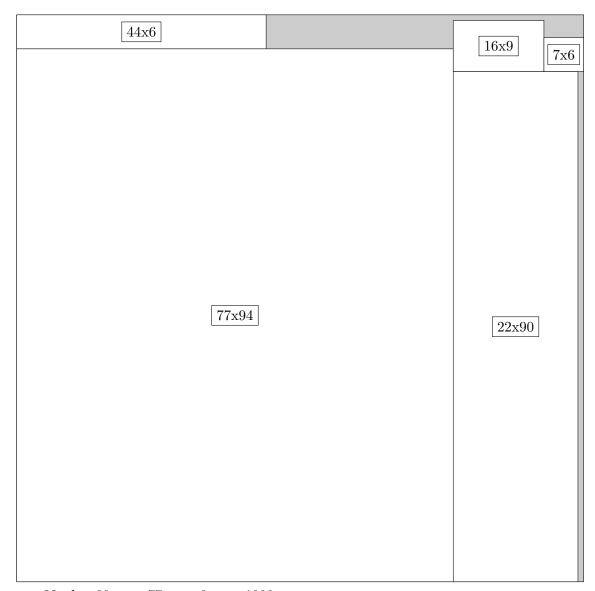
$$\le =22$$
 , h =32 , x =76 , y =30 , v =704

$$w$$
 =21 , h =32 , x =79 , y =62 , v =672

$$\le =30$$
 ,  $h$  =16 ,  $x$  =45 ,  $y$  =75 ,  $v$  =480

$$\le =41$$
 ,  $h=6$  ,  $x=\!59$  ,  $y=\!94$  ,  $v=\!246$ 

$$w$$
 =8 , h =9 , x =51 , y =91 , v =72



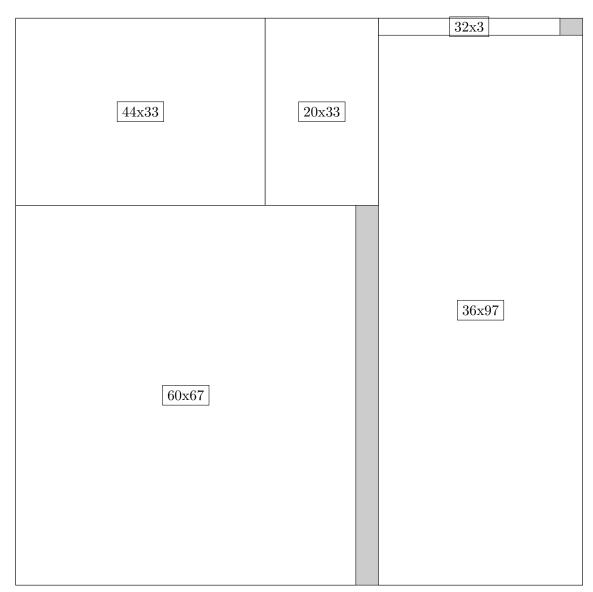
$$\le =22$$
 , h =90 , x =77 , y =0 , v =1980

$$\le =44$$
 ,  $h$  =6 ,  $x$  =0 ,  $y$  =94 ,  $v$  =264

$$\mathbf{w}$$
 =77 , h =94 , x =0 , y =0 , v =7238

$$w$$
 =16 ,  $h$  =9 ,  $x$  =77 ,  $y$  =90 ,  $v$  =144

$$w = 7$$
,  $h = 6$ ,  $x = 93$ ,  $y = 90$ ,  $v = 42$ 



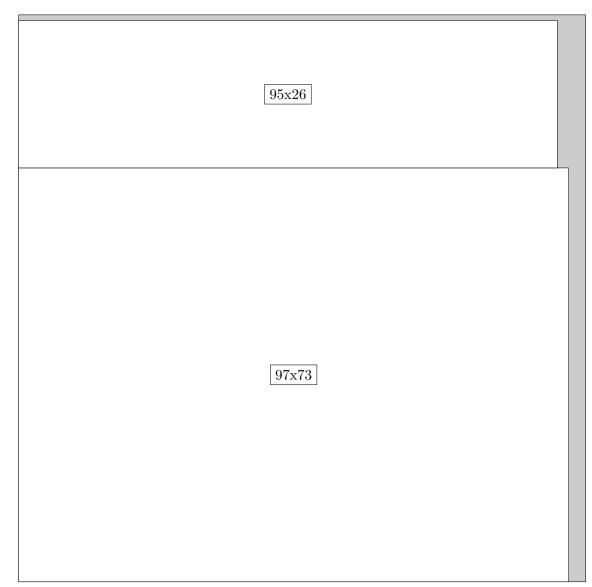
$$\le =60$$
 ,  $h=67$  ,  $x=0$  ,  $y=0$  ,  $v=4020$ 

$$\le =36$$
 , h =97 , x =64 , y =0 , v =3492

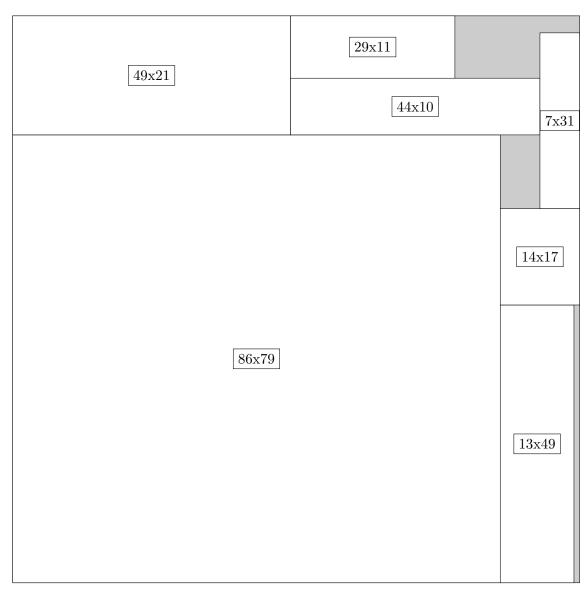
$$\mathbf{w}=\!44$$
 ,  $\mathbf{h}=\!33$  ,  $\mathbf{x}=\!0$  ,  $\mathbf{y}=\!67$  ,  $\mathbf{v}=\!1452$ 

$$\le =20$$
 , h =33 , x =44 , y =67 , v =660

$$\le =32$$
 , h =3 , x =64 , y =97 , v =96



$$\begin{array}{l} w = \! 97 \ , \ h = \! 73 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 7081 \\ w = \! 95 \ , \ h = \! 26 \ , \ x = \! 0 \ , \ y = \! 73 \ , \ v = \! 2470 \end{array}$$



$$w = 86$$
,  $h = 79$ ,  $x = 0$ ,  $y = 0$ ,  $v = 6794$ 

$$\le =49$$
 , h =21 , x =0 , y =79 , v =1029

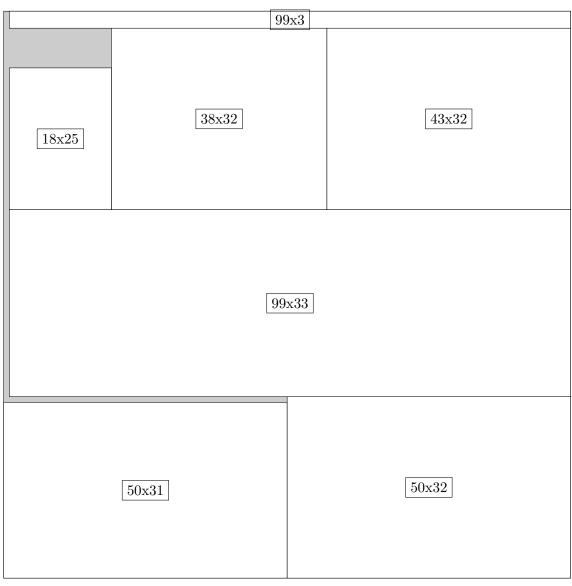
$$w = 13$$
,  $h = 49$ ,  $x = 86$ ,  $y = 0$ ,  $v = 637$ 

$$\mathbf{w}$$
 =44 , h =10 , x =49 , y =79 , v =440

$$w$$
 =29 ,  $h$  =11 ,  $x$  =49 ,  $y$  =89 ,  $v$  =319

$$w=\!14$$
 ,  $h=\!17$  ,  $x=\!86$  ,  $y=\!49$  ,  $v=\!238$ 

$$w$$
 =7 ,  $h$  =31 ,  $x$  =93 ,  $y$  =66 ,  $v$  =217



$$\le =50$$
 , h =31 , x =0 , y =0 , v =1550

$$\le =50$$
 , h =32 , x =50 , y =0 , v =1600

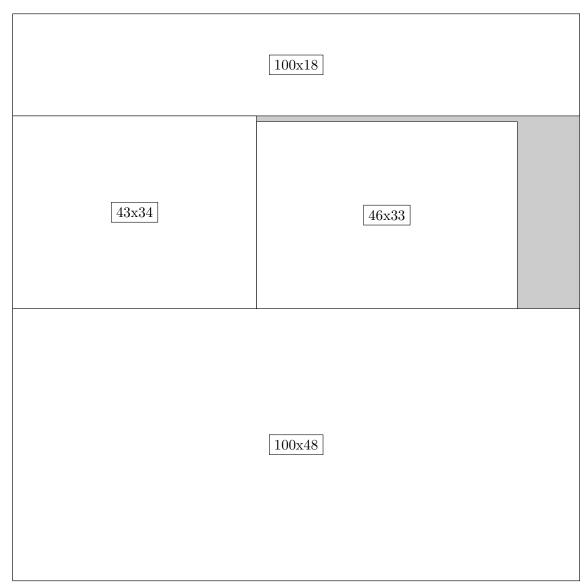
$$\le =99$$
 , h =33 , x =1 , y =32 , v =3267

$$w = 43$$
,  $h = 32$ ,  $x = 57$ ,  $y = 65$ ,  $v = 1376$ 

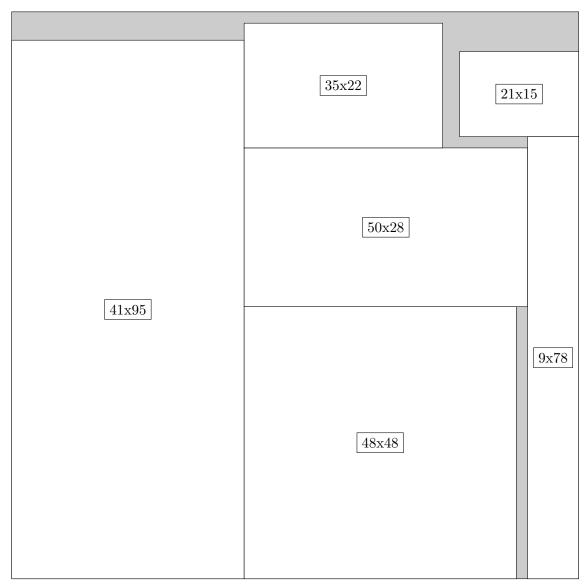
$$\le =38$$
 ,  $h=32$  ,  $x=19$  ,  $y=65$  ,  $v=1216$ 

$$\le =18$$
 , h =25 , x =1 , y =65 , v =450

$$\le =99$$
 , h =3 , x =1 , y =97 , v =297



$$\begin{array}{l} w = & 100 \ , \ h = & 48 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 4800 \\ w = & 100 \ , \ h = & 18 \ , \ x = & 0 \ , \ y = & 82 \ , \ v = & 1800 \\ w = & 46 \ , \ h = & 33 \ , \ x = & 43 \ , \ y = & 48 \ , \ v = & 1518 \\ w = & 43 \ , \ h = & 34 \ , \ x = & 0 \ , \ y = & 48 \ , \ v = & 1462 \end{array}$$



$$w = 41$$
,  $h = 95$ ,  $x = 0$ ,  $y = 0$ ,  $v = 3895$ 

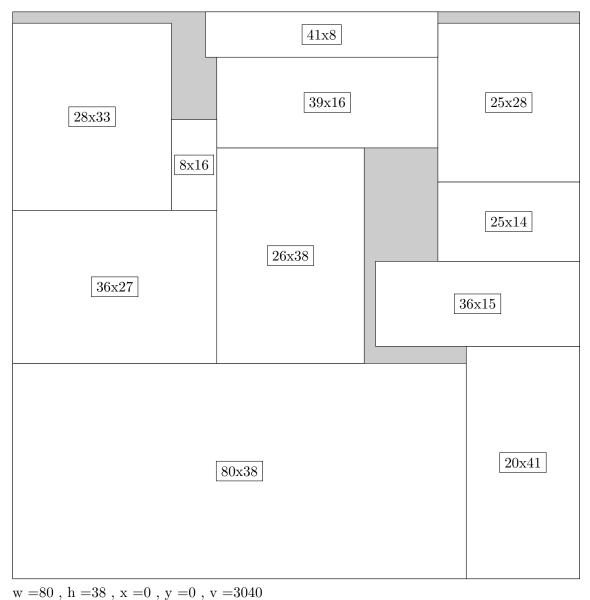
$$\le =48$$
 ,  $h=48$  ,  $x=41$  ,  $y=0$  ,  $v=2304$ 

$$\le =50$$
 ,  $h$  =28 ,  $x$  =41 ,  $y$  =48 ,  $v$  =1400

$$\mathbf{w}$$
 =9 , h =78 , x =91 , y =0 , v =702

$$w=\!35$$
 ,  $h=\!22$  ,  $x=\!41$  ,  $y=\!76$  ,  $v=\!770$ 

$$w$$
 =21 ,  $h$  =15 ,  $x$  =79 ,  $y$  =78 ,  $v$  =315



$$w = 26$$
,  $h = 38$ ,  $x = 36$ ,  $y = 38$ ,  $v = 988$ 

$$w$$
 =28 , h =33 , x =0 , y =65 , v =924

$$\begin{array}{l} w = 20 \ , \ h = \!\! 41 \ , \ x = \!\! 80 \ , \ y = \!\! 0 \ , \ v = \!\! 820 \\ w = \!\! 39 \ , \ h = \!\! 16 \ , \ x = \!\! 36 \ , \ y = \!\! 76 \ , \ v = \!\! 624 \end{array}$$

$$w = 36$$
,  $h = 16$ ,  $x = 56$ ,  $y = 16$ ,  $v = 524$   
 $w = 36$ ,  $h = 15$ ,  $x = 64$ ,  $y = 41$ ,  $v = 540$ 

$$w = 25$$
,  $h = 14$ ,  $x = 75$ ,  $y = 56$ ,  $v = 350$ 

$$w = 25$$
,  $h = 28$ ,  $x = 75$ ,  $y = 70$ ,  $v = 700$ 

$$w = 41$$
,  $h = 8$ ,  $x = 34$ ,  $y = 92$ ,  $v = 328$