${\bf ClassName:}~{\bf Class\_03.2bp\text{-}23}$ 

BinSize:  $\underline{40 \times 40}$ ReduceSize:  $\underline{40 \times 40}$ 

TypeNum: <u>58</u> Num: <u>60</u> OutS: <u>24000</u> InS: <u>19663</u> Rate: <u>0.819</u> UB: <u>15</u> LB0: <u>15</u> LB: <u>15</u>

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

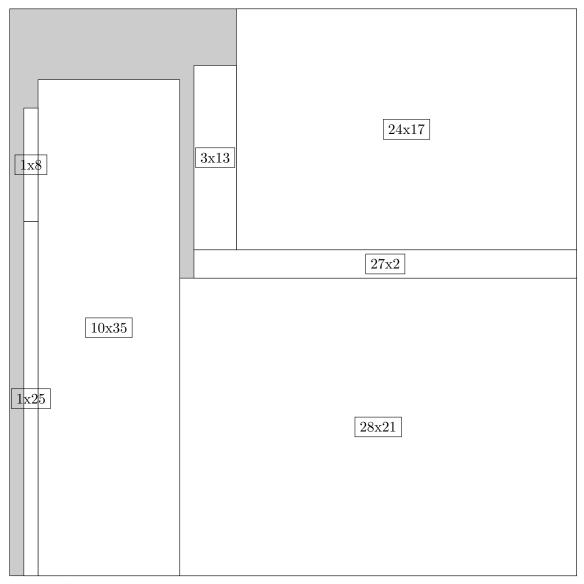
ExtendedNodeCnt:  $\underline{\mathbf{1}}$ 

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

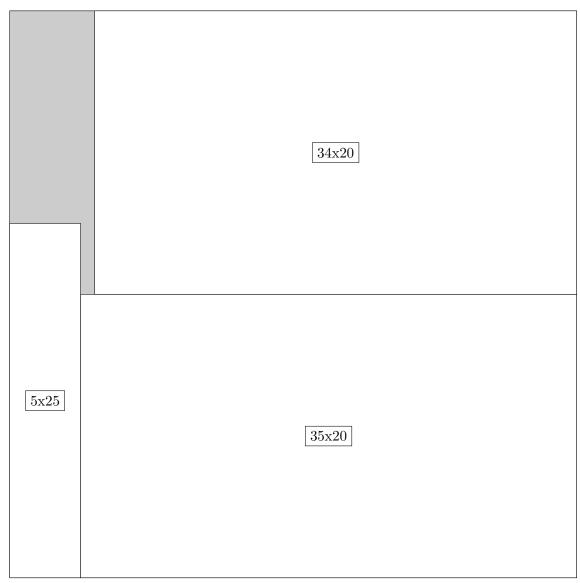
isOpt:  $\underline{\mathbf{true}}$ 

TimeOnInitSolution:  $\underline{600.000 \text{ s}}$ 

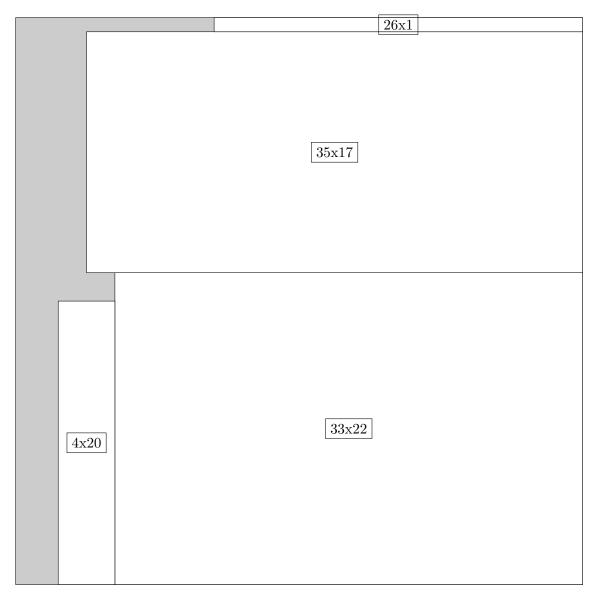
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 600.360 s



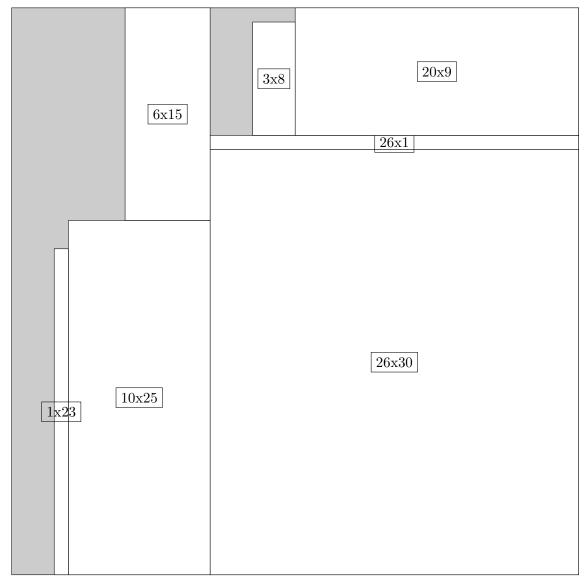
$$\begin{array}{l} w=28 \;,\; h=21 \;,\; x=12 \;,\; y=0 \;,\; v=588 \\ w=27 \;,\; h=2 \;,\; x=13 \;,\; y=21 \;,\; v=54 \\ w=24 \;,\; h=17 \;,\; x=16 \;,\; y=23 \;,\; v=408 \\ w=3 \;,\; h=13 \;,\; x=13 \;,\; y=23 \;,\; v=39 \\ w=10 \;,\; h=35 \;,\; x=2 \;,\; y=0 \;,\; v=350 \\ w=1 \;,\; h=25 \;,\; x=1 \;,\; y=0 \;,\; v=25 \\ w=1 \;,\; h=8 \;,\; x=1 \;,\; y=25 \;,\; v=8 \end{array}$$



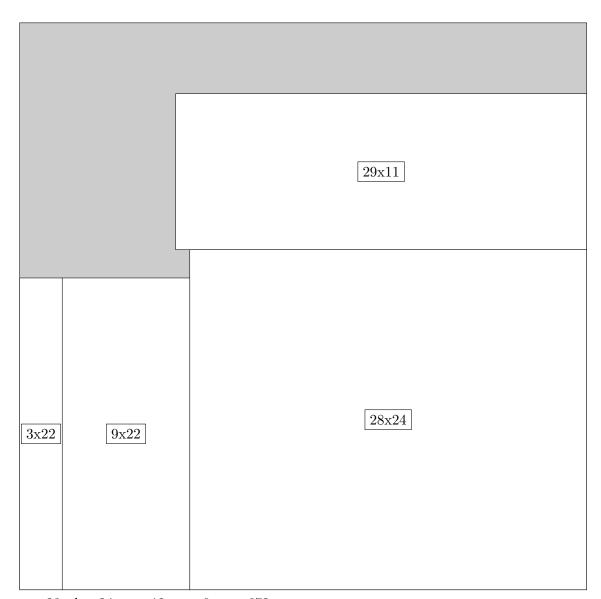
$$\begin{array}{l} w = \! 35 \; , \; h = \! 20 \; , \; x = \! 5 \; , \; y = \! 0 \; , \; v = \! 700 \\ w = \! 34 \; , \; h = \! 20 \; , \; x = \! 6 \; , \; y = \! 20 \; , \; v = \! 680 \\ w = \! 5 \; , \; h = \! 25 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 125 \end{array}$$



$$\begin{array}{l} w = \! 33 \; , \; h = \! 22 \; , \; x = \! 7 \; , \; y = \! 0 \; , \; v = \! 726 \\ w = \! 4 \; , \; h = \! 20 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 80 \\ w = \! 35 \; , \; h = \! 17 \; , \; x = \! 5 \; , \; y = \! 22 \; , \; v = \! 595 \\ w = \! 26 \; , \; h = \! 1 \; , \; x = \! 14 \; , \; y = \! 39 \; , \; v = \! 26 \end{array}$$



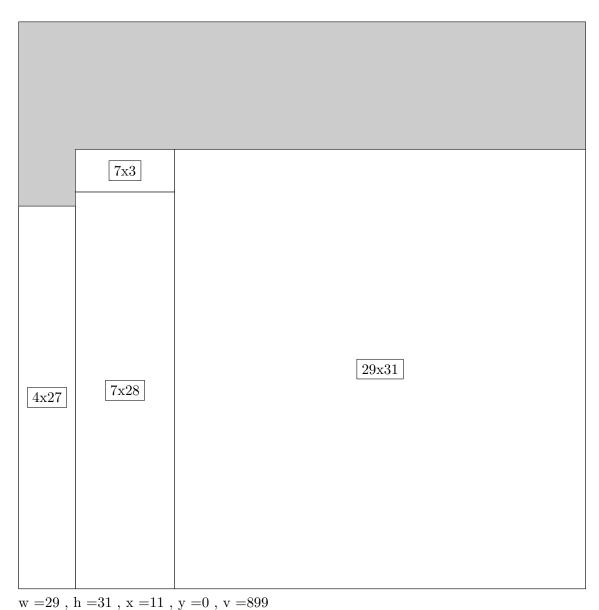
 $\begin{array}{l} w=26 \ , \ h=30 \ , \ x=14 \ , \ y=0 \ , \ v=780 \\ w=26 \ , \ h=1 \ , \ x=14 \ , \ y=30 \ , \ v=26 \\ w=20 \ , \ h=9 \ , \ x=20 \ , \ y=31 \ , \ v=180 \\ w=3 \ , \ h=8 \ , \ x=17 \ , \ y=31 \ , \ v=24 \\ w=10 \ , \ h=25 \ , \ x=4 \ , \ y=0 \ , \ v=250 \\ w=1 \ , \ h=23 \ , \ x=3 \ , \ y=0 \ , \ v=23 \\ w=6 \ , \ h=15 \ , \ x=8 \ , \ y=25 \ , \ v=90 \end{array}$ 



$$\begin{array}{l} w = 28 \; , \; h = 24 \; , \; x = 12 \; , \; y = 0 \; , \; v = 672 \\ w = 9 \; , \; h = 22 \; , \; x = 3 \; , \; y = 0 \; , \; v = 198 \end{array}$$

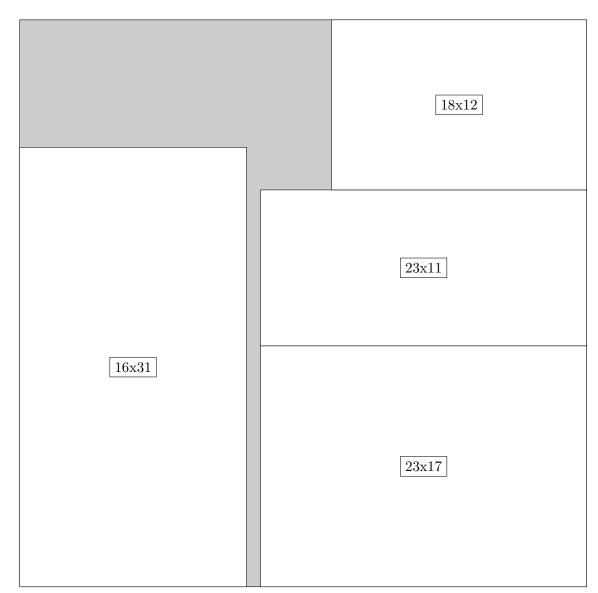
$$w = 3$$
,  $h = 22$ ,  $x = 0$ ,  $y = 0$ ,  $v = 66$ 

$$w = 29$$
,  $h = 11$ ,  $x = 11$ ,  $y = 24$ ,  $v = 319$ 



w =29, h =31, x =11, y =0, v =899 w =7, h =28, x =4, y =0, v =196 w =7, h =3, x =4, y =28, v =21

 $\mathbf{w}$  =4 , h =27 , x =0 , y =0 , v =108

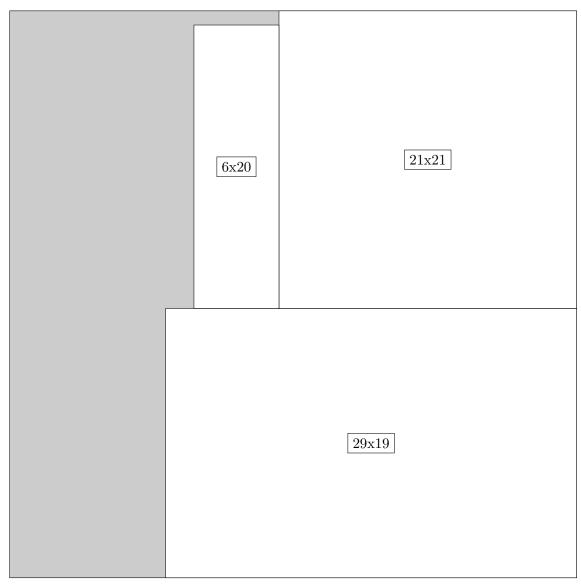


$$\le 23$$
 ,  $h = \! 17$  ,  $x = \! 17$  ,  $y = \! 0$  ,  $v = \! 391$ 

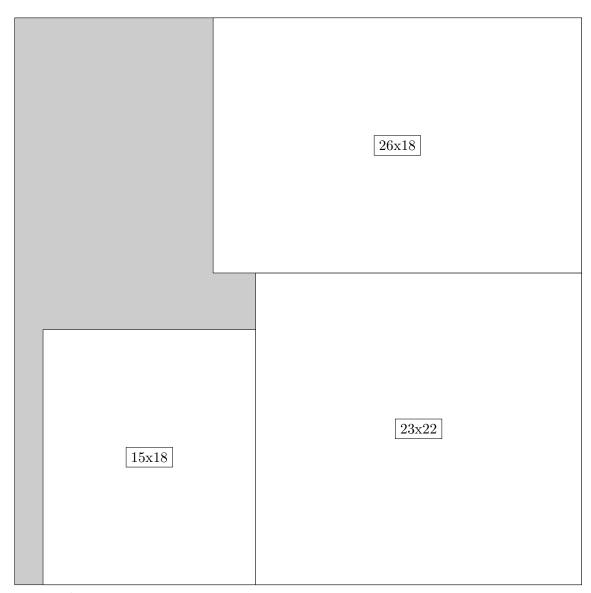
$$\le =23$$
 , h =11 , x =17 , y =17 , v =253

$$\le =18$$
 , h =12 , x =22 , y =28 , v =216

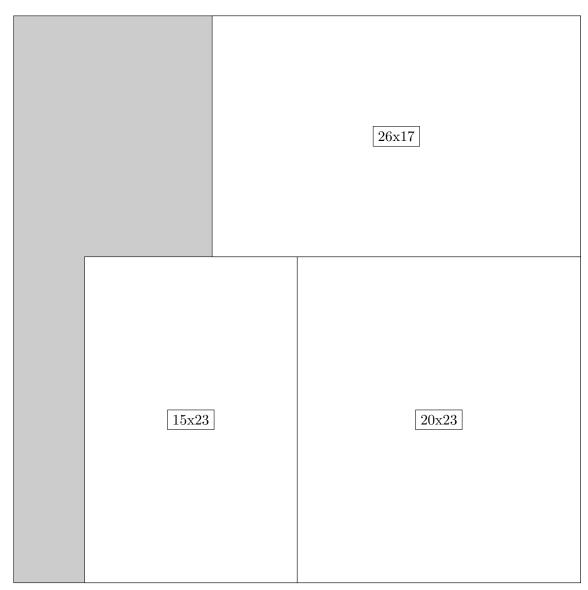
$$\le =16$$
 , h =31 , x =0 , y =0 , v =496



 $\begin{array}{l} w = 29 \ , \ h = 19 \ , \ x = 11 \ , \ y = 0 \ , \ v = 551 \\ w = 21 \ , \ h = 21 \ , \ x = 19 \ , \ y = 19 \ , \ v = 441 \\ w = 6 \ , \ h = 20 \ , \ x = 13 \ , \ y = 19 \ , \ v = 120 \end{array}$ 



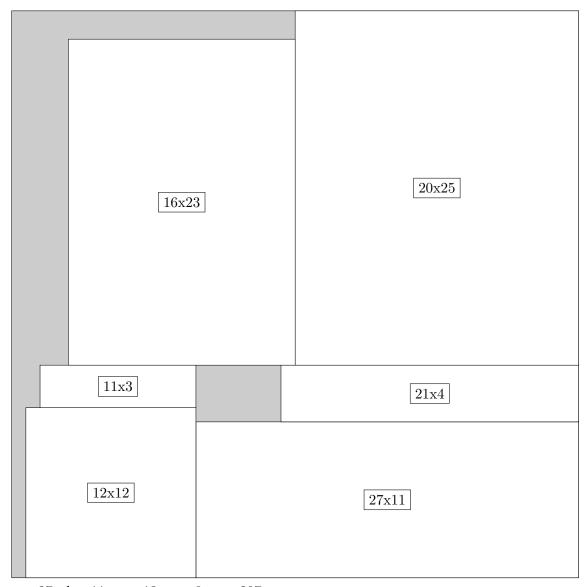
$$\begin{array}{l} w = 23 \ , \ h = 22 \ , \ x = 17 \ , \ y = 0 \ , \ v = 506 \\ w = 15 \ , \ h = 18 \ , \ x = 2 \ , \ y = 0 \ , \ v = 270 \\ w = 26 \ , \ h = 18 \ , \ x = 14 \ , \ y = 22 \ , \ v = 468 \end{array}$$



$$w$$
 =20 ,  $h$  =23 ,  $x$  =20 ,  $y$  =0 ,  $v$  =460

$$\le =15$$
 , h =23 , x =5 , y =0 , v =345

$$\le =26$$
 , h =17 , x =14 , y =23 , v =442



$$w$$
 =27 ,  $h$  =11 ,  $x$  =13 ,  $y$  =0 ,  $v$  =297

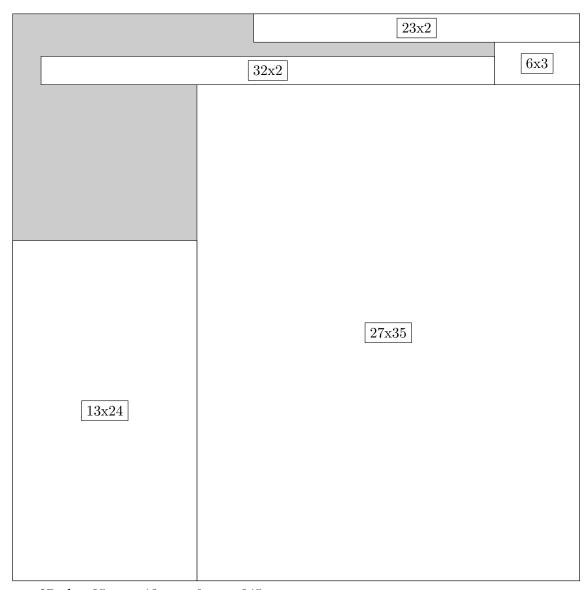
$$w = 21$$
,  $h = 4$ ,  $x = 19$ ,  $y = 11$ ,  $v = 84$ 

$$\mathbf{w}$$
 =12 , h =12 , x =1 , y =0 , v =144

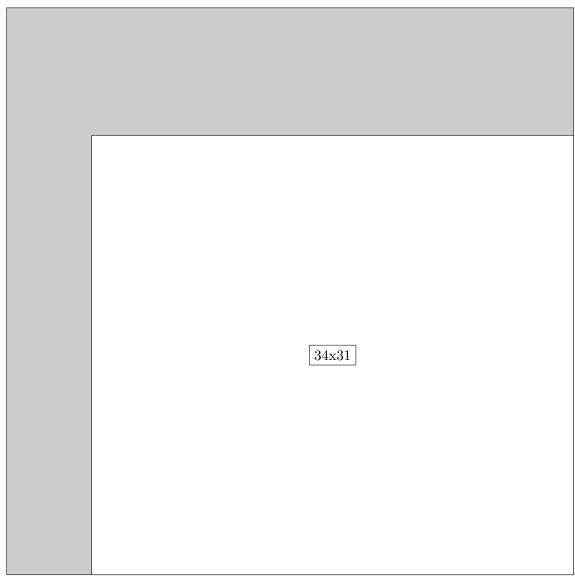
$$\mathbf{w}$$
 =11 , h =3 , x =2 , y =12 , v =33

$$\le =20$$
 ,  $h=25$  ,  $x=20$  ,  $y=15$  ,  $v=500$ 

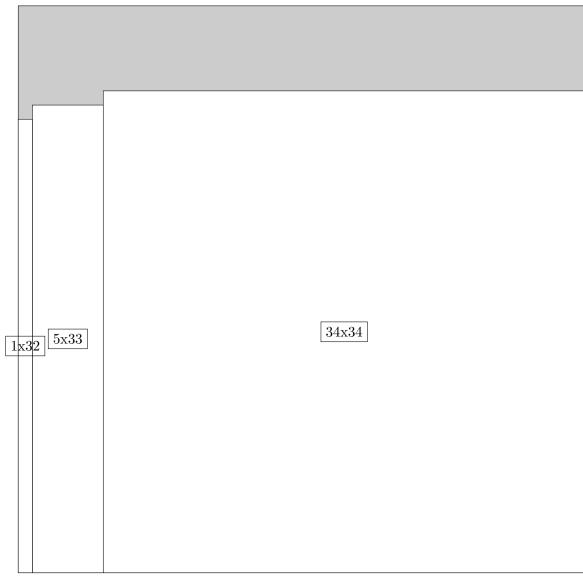
$$\le =16$$
 ,  $h=23$  ,  $x=4$  ,  $y=15$  ,  $v=368$ 



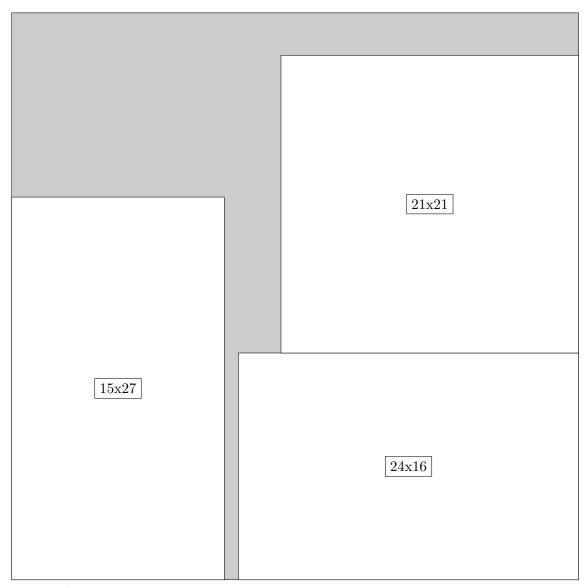
$$\begin{array}{l} w=27 \;,\; h=35 \;,\; x=13 \;,\; y=0 \;,\; v=945 \\ w=13 \;,\; h=24 \;,\; x=0 \;,\; y=0 \;,\; v=312 \\ w=6 \;,\; h=3 \;,\; x=34 \;,\; y=35 \;,\; v=18 \\ w=32 \;,\; h=2 \;,\; x=2 \;,\; y=35 \;,\; v=64 \\ w=23 \;,\; h=2 \;,\; x=17 \;,\; y=38 \;,\; v=46 \end{array}$$



 $\le =34$  , h =31 , x =6 , y =0 , v =1054



 $\begin{array}{l} w = \!\! 34 \; , \; h = \!\! 34 \; , \; x = \!\! 6 \; , \; y = \!\! 0 \; , \; v = \!\! 1156 \\ w = \!\! 5 \; , \; h = \!\! 33 \; , \; x = \!\! 1 \; , \; y = \!\! 0 \; , \; v = \!\! 165 \\ w = \!\! 1 \; , \; h = \!\! 32 \; , \; x = \!\! 0 \; , \; y = \!\! 0 \; , \; v = \!\! 32 \end{array}$ 



$$w$$
 =24 ,  $h$  =16 ,  $x$  =16 ,  $y$  =0 ,  $v$  =384

$$w$$
 =21 ,  $h$  =21 ,  $x$  =19 ,  $y$  =16 ,  $v$  =441

$$\le =15$$
 , h =27 , x =0 , y =0 , v =405