$ClassName: \ Class_07.2bp-27$

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

TypeNum: <u>59</u> Num: <u>60</u> OutS: <u>170000</u> InS: <u>145305</u> Rate: <u>0.855</u> UB: <u>17</u> LB0: <u>17</u>

LBWithCut: <u>17</u> NodeCut: <u>0</u>

LB: **17**

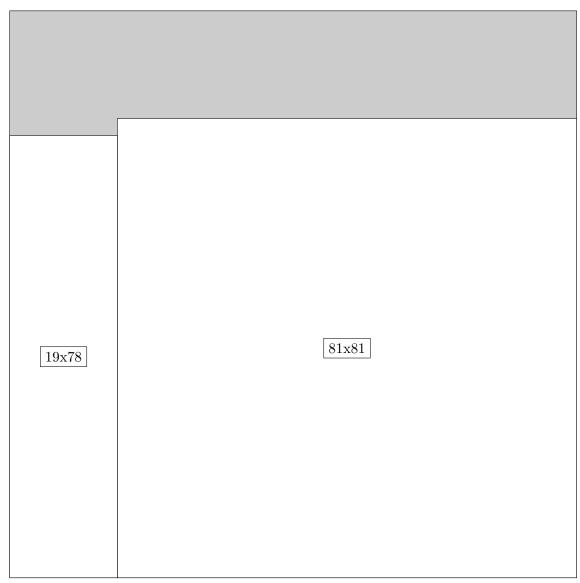
ExtendedNodeCnt: $\underline{\mathbf{1}}$

GenNodeCnt: $\underline{\mathbf{1}}$ PrimalNode: $\underline{\mathbf{0}}$ ColumnCount: $\underline{\mathbf{17}}$ TotalCutCount: $\underline{\mathbf{0}}$ RootCutCount: $\underline{\mathbf{0}}$ LPSolverCnt: $\underline{\mathbf{1}}$ PricingSolverCnt: $\underline{\mathbf{0}}$ BranchAndBoundNum: $\underline{\mathbf{1}}$

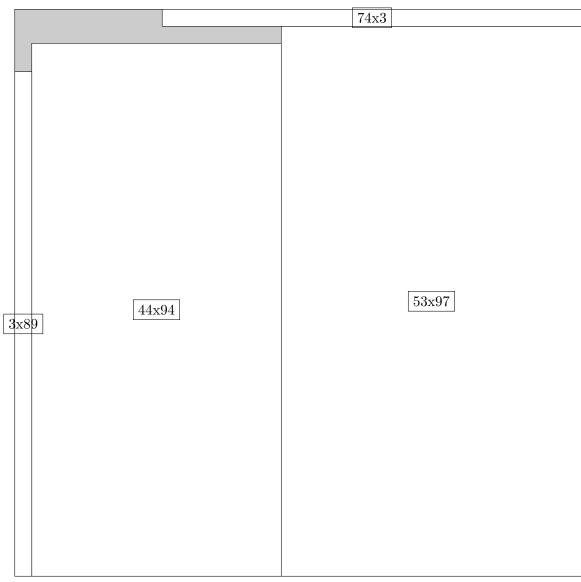
isOpt: $\underline{\mathbf{true}}$

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

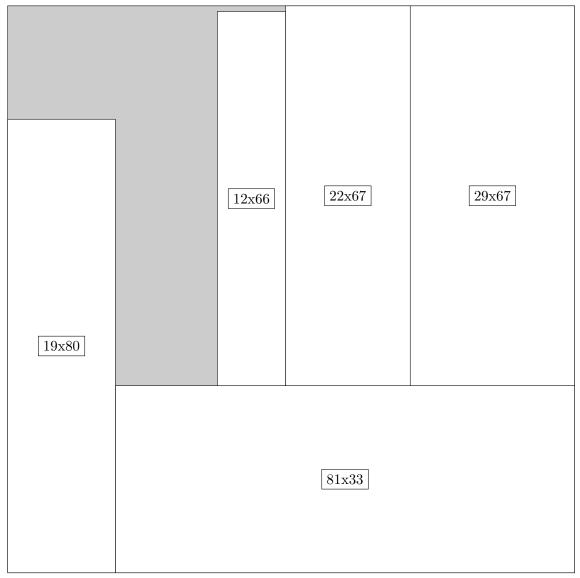
TimeOnPrimal: 0.000 sTimeOnPricing: 0.000 sTimeOnRmp: 0.063 sTotalTime: 600.313 s



$$\begin{array}{l} w = \! 81 \ , \ h = \! 81 \ , \ x = \! 19 \ , \ y = \! 0 \ , \ v = \! 6561 \\ w = \! 19 \ , \ h = \! 78 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1482 \end{array}$$



 $\begin{array}{l} w = \!53 \ , \ h = \!97 \ , \ x = \!47 \ , \ y = \!0 \ , \ v = \!5141 \\ w = \!44 \ , \ h = \!94 \ , \ x = \!3 \ , \ y = \!0 \ , \ v = \!4136 \\ w = \!3 \ , \ h = \!89 \ , \ x = \!0 \ , \ y = \!0 \ , \ v = \!267 \\ w = \!74 \ , \ h = \!3 \ , \ x = \!26 \ , \ y = \!97 \ , \ v = \!222 \end{array}$

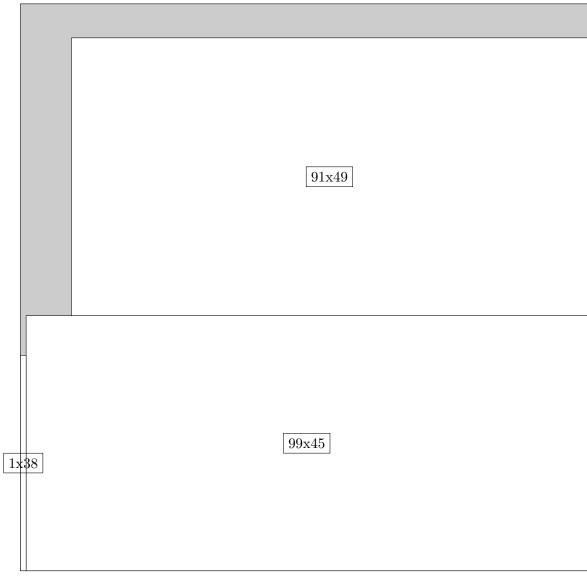


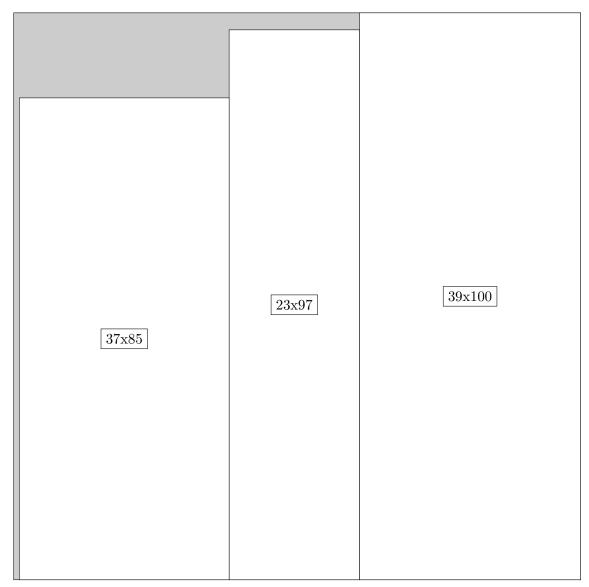
$$w = 81$$
, $h = 33$, $x = 19$, $y = 0$, $v = 2673$

$$\le =29$$
 , h =67 , x =71 , y =33 , v =1943

$$\le =22$$
 , h =67 , x =49 , y =33 , v =1474

$$\mathbf{w}$$
 =12 , h =66 , x =37 , y =33 , v =792

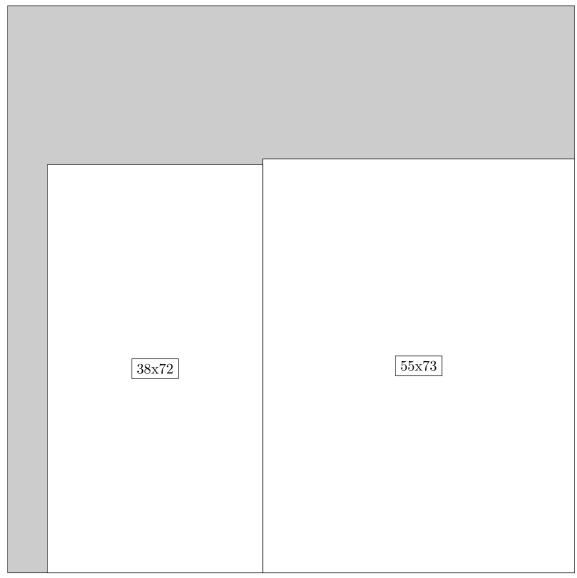




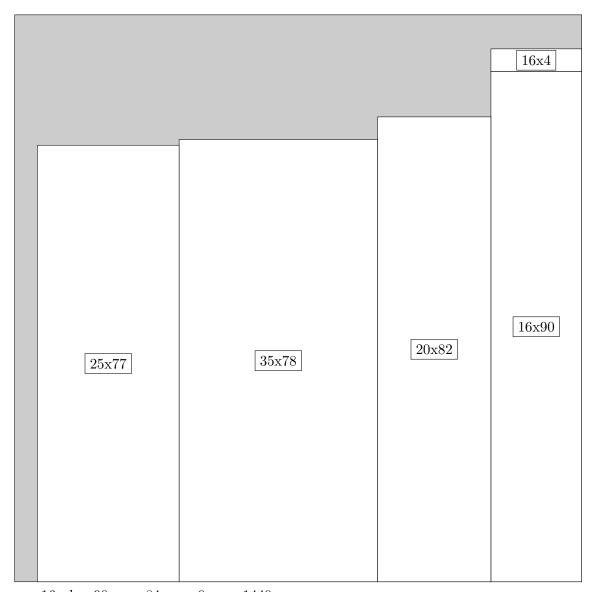
 ≤ 39 , $h = \! 100$, $x = \! 61$, $y = \! 0$, $v = \! 3900$

 $\le =23$, h =97 , x =38 , y =0 , v =2231

 $\le =37$, $\ge =85$, $\ge =1$, $\ge =0$, $\ge =3145$



 $\begin{array}{l} w = \! 55 \ , \ h = \! 73 \ , \ x = \! 45 \ , \ y = \! 0 \ , \ v = \! 4015 \\ w = \! 38 \ , \ h = \! 72 \ , \ x = \! 7 \ , \ y = \! 0 \ , \ v = \! 2736 \end{array}$



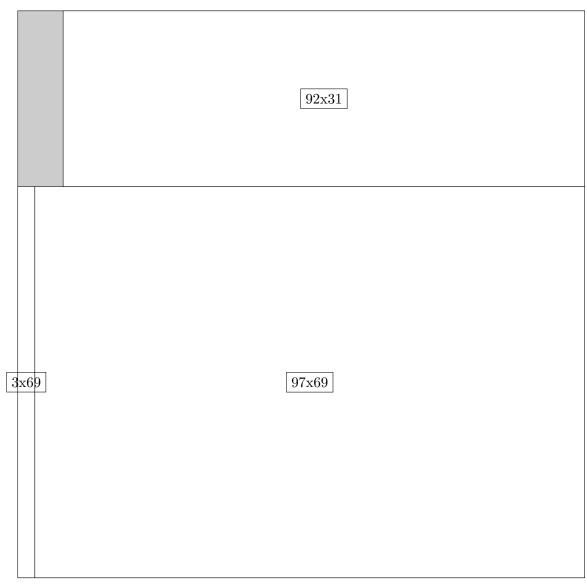
$$\le =16$$
 , $h=90$, $x=84$, $y=0$, $v=1440$

$$w=\!16$$
 , $h=\!4$, $x=\!84$, $y=\!90$, $v=\!64$

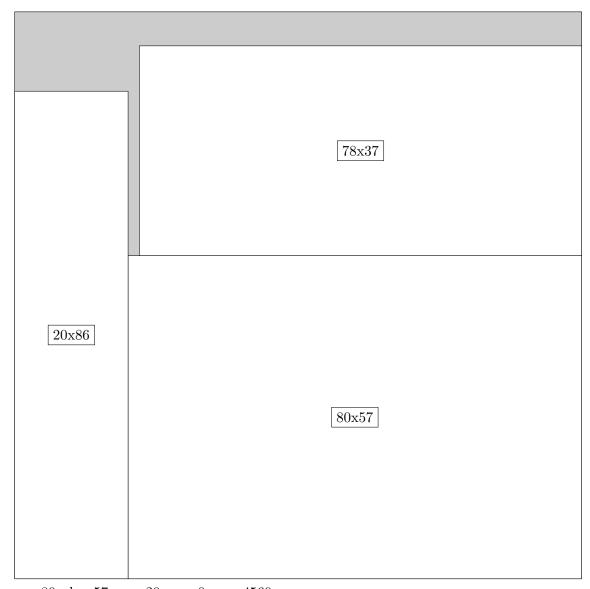
$$\le =20$$
 , h =82 , x =64 , y =0 , v =1640

$$\le =35$$
 , h =78 , x =29 , y =0 , v =2730

$$w=25$$
 , $h=77$, $x=4$, $y=0$, $v=1925$

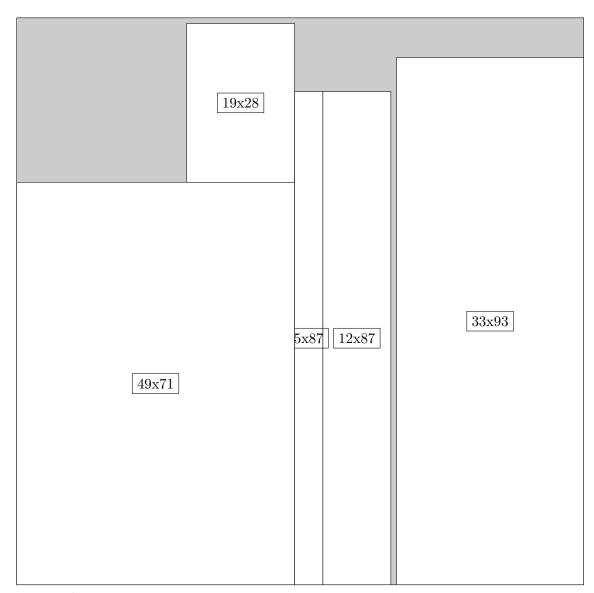


 $\begin{array}{l} w = \! 97 \; , \; h = \! 69 \; , \; x = \! 3 \; , \; y = \! 0 \; , \; v = \! 6693 \\ w = \! 3 \; , \; h = \! 69 \; , \; x = \! 0 \; , \; y = \! 0 \; , \; v = \! 207 \\ w = \! 92 \; , \; h = \! 31 \; , \; x = \! 8 \; , \; y = \! 69 \; , \; v = \! 2852 \end{array}$

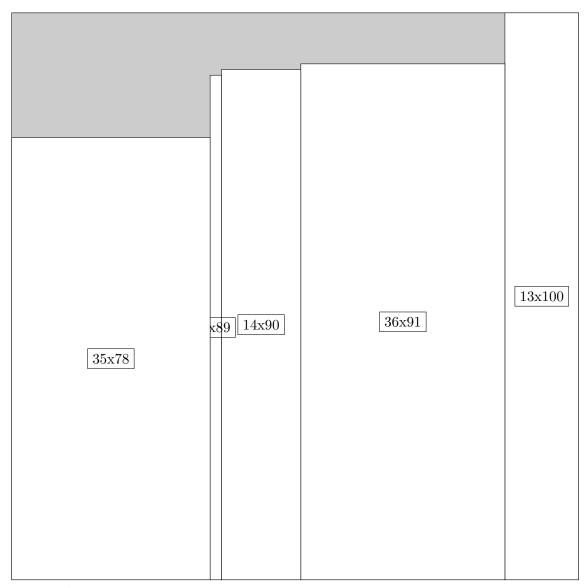


$$w$$
 =78 , h =37 , x =22 , y =57 , v =2886

$$\le =20$$
 , h =86 , x =0 , y =0 , v =1720



 $\begin{array}{l} w = & 33 \ , \ h = & 93 \ , \ x = & 67 \ , \ y = & 0 \ , \ v = & 3069 \\ w = & 12 \ , \ h = & 87 \ , \ x = & 54 \ , \ y = & 0 \ , \ v = & 1044 \\ w = & 5 \ , \ h = & 87 \ , \ x = & 49 \ , \ y = & 0 \ , \ v = & 435 \\ w = & 49 \ , \ h = & 71 \ , \ x = & 0 \ , \ y = & 0 \ , \ v = & 3479 \\ w = & 19 \ , \ h = & 28 \ , \ x = & 30 \ , \ y = & 71 \ , \ v = & 532 \end{array}$



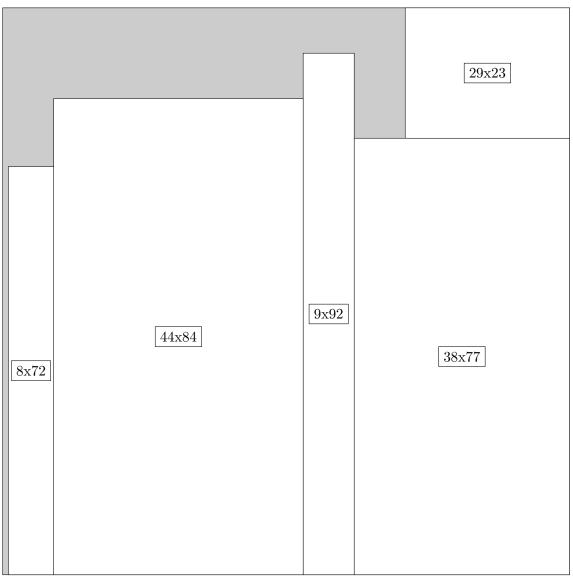
 $\le =13$, h=100 , x=87 , y=0 , v=1300

 $\le =36$, h =91 , x =51 , y =0 , v =3276

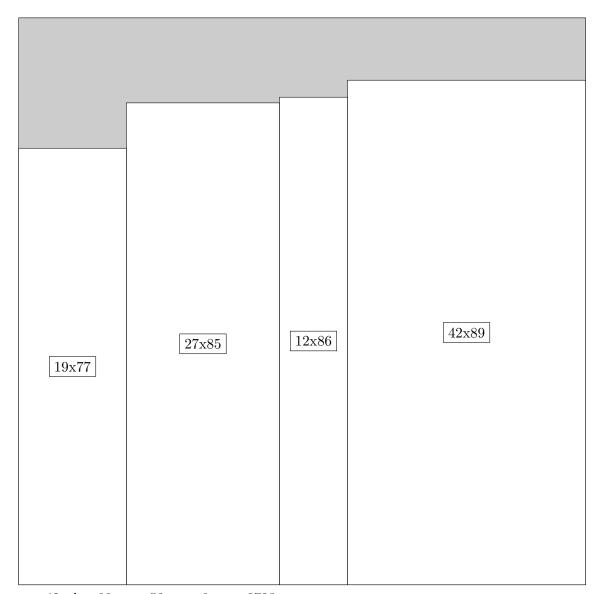
 $\le =14$, h =90 , x =37 , y =0 , v =1260

 $\le =2$, h =89 , x =35 , y =0 , v =178

 \mathbf{w} =35 , h =78 , x =0 , y =0 , v =2730



 $\begin{array}{l} w = & 38 \ , \ h = & 77 \ , \ x = & 62 \ , \ y = & 0 \ , \ v = & 2926 \\ w = & 29 \ , \ h = & 23 \ , \ x = & 71 \ , \ y = & 77 \ , \ v = & 667 \\ w = & 9 \ , \ h = & 92 \ , \ x = & 53 \ , \ y = & 0 \ , \ v = & 828 \\ w = & 44 \ , \ h = & 84 \ , \ x = & 9 \ , \ y = & 0 \ , \ v = & 3696 \\ w = & 8 \ , \ h = & 72 \ , \ x = & 1 \ , \ y = & 0 \ , \ v = & 576 \end{array}$

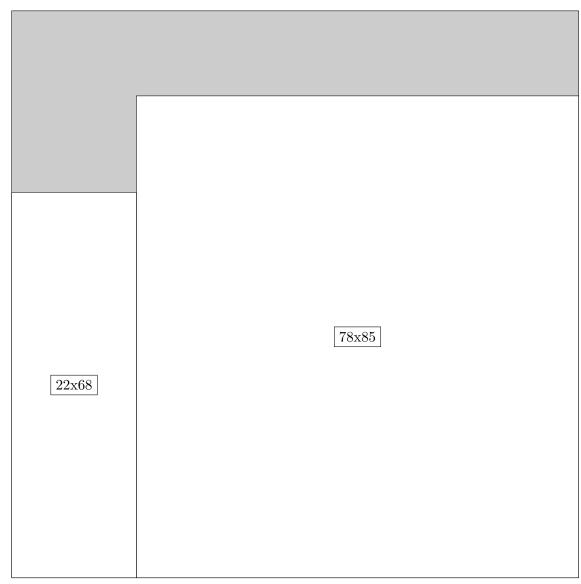


$$\le 42$$
 , h =89 , x =58 , y =0 , v =3738

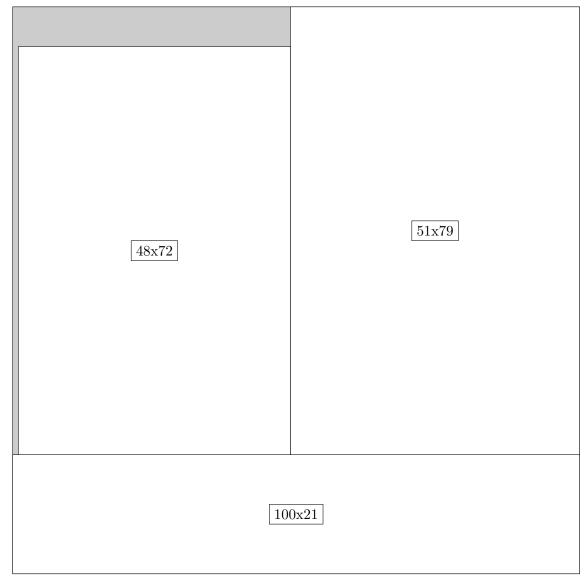
$$\le =12$$
 , h =86 , x =46 , y =0 , v =1032

$$\le =27$$
 , h =85 , x =19 , y =0 , v =2295

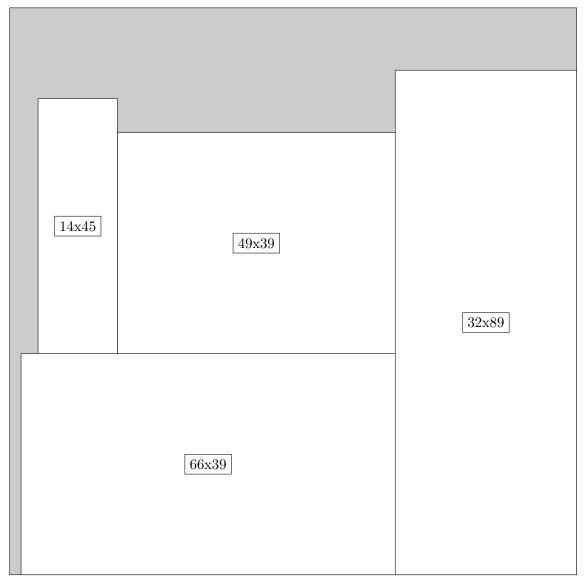
$$\mathbf{w}$$
 =19 , h =77 , x =0 , y =0 , v =1463



$$\begin{array}{l} w = \! 78 \ , \ h = \! 85 \ , \ x = \! 22 \ , \ y = \! 0 \ , \ v = \! 6630 \\ w = \! 22 \ , \ h = \! 68 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 1496 \end{array}$$



$$\begin{array}{l} w = \! 100 \ , \ h = \! 21 \ , \ x = \! 0 \ , \ y = \! 0 \ , \ v = \! 2100 \\ w = \! 51 \ , \ h = \! 79 \ , \ x = \! 49 \ , \ y = \! 21 \ , \ v = \! 4029 \\ w = \! 48 \ , \ h = \! 72 \ , \ x = \! 1 \ , \ y = \! 21 \ , \ v = \! 3456 \end{array}$$



$$\le 32$$
 , ≤ 89 , ≤ 68 , y =0 , v =2848

$$\le =66$$
 , h =39 , x =2 , y =0 , v =2574

$$\le =49$$
 , h =39 , x =19 , y =39 , v =1911

$$\le =14$$
 , $= =45$, $= =5$, $= = =39$, $= = = = =30$

