```
15.1
         王老也是至14.101 叶豆可发彩料 广色了社工 空科의 完新的 野新女
  F 14.1
                                                                   I
 V, m/5
          10
                  20
                                           50
                         30
                               40
                                     50
                                                   70
                                                          80
                                                                   360
 F, N
           25
                                                         1450
                 70
                               550
                                     610
                                                   830
                        380
                                           1220
                                                                  5135
                                                         6400
                                          3600
                                                 4900
                             1600
                                   2500
                                                                  20400
                        900
          100
                             - 64000 125010
                                          2/6000
                                                 343000
                                                        512000
                                                                  1296000
         1000 8000
                       21000
                                          12960000 24010000
                            2560000 6250000
                                                        40960000
                                                                 81120000
                     810000
         10000
               C6 0000
                                          73200 58100
                                                        116000
                                                                 312850
                             22000 30500
                       11400
                 1000
         250
                      342000 88000 1525000 4392000 4069000 9280000
                                                                 205/6500
                28000
        2500
TW= asta, V fae V2 of 21 12
                                r3= 13-90 12
12 = 12 - 45XM
                                            35700000
360 20400
                 1296000
                                     318000
 -) 360 (6200
                                   378000
                  918000
                                            34020000
                                            168 0000
                  378000
r3= r3- 2550 r.
                                      360
                                            20400
    20400 1296000 3/120000
                                            378000
                                      4200
 -) 202500 918000
                 52020000
                                            (680000
         378000 35700000
               20400
                                                             (680000
               3.5 700000
         2n8000
                                Ld=Y
                                di = 5/35
                               45di+de= 312850 de= 312850-45di=81775
                              2500 d, 490d +d3=20516500
                               d3=20+16+00-25+00 d-90d=62500
```

di=5135 di=81715 di=62500

$$8 a_0 + 360 a_1 + 20400 a_2 = 5135$$

$$a_0 = \frac{5135 - 360 a_2 - 20400 a_3}{8} = -178,775$$

$$V = \frac{St^{-5}r}{St} = \frac{1808294 - 113199}{1808294} = \frac{1594500}{1008294} = 0.8817$$

원대의 분박원이의 88,17%가 이 모던 2 연맹된다

$$\begin{cases} S_{1} = \sum \left(Y_{1} - \alpha_{1} x_{1} - \alpha_{2} x_{1}^{2} \right)^{\frac{1}{2}} \\ S_{1} = \sum \left(Y_{1} - \alpha_{1} x_{1} - \alpha_{2} x_{1}^{2} \right)^{\frac{1}{2}} \\ = \sum \left(\sum X_{1}^{2} Y_{1} - \alpha_{1} \sum X_{1}^{2} - \alpha_{2} \sum X_{1}^{2} \right)^{2} \\ = \sum \left(\sum X_{1}^{2} Y_{1}^{2} - \alpha_{1} \sum X_{1}^{2} - \alpha_{2} \sum X_{1}^{2} \right)^{2} \\ = \sum \left(\sum X_{1}^{2} Y_{1}^{2} - \alpha_{1} \sum X_{1}^{2} - \alpha_{2} \sum X_{1}^{2} \right)^{2} \\ = \sum \left(\sum X_{1}^{2} Y_{1}^{2} - \alpha_{1} \sum X_{1}^{2} - \alpha_{2} \sum X_{1}^{2} \right)^{2} \\ = \sum \left(\sum X_{1}^{2} Y_{1}^{2} - \alpha_{1} \sum X_{1}^{2} - \alpha_{2} \sum X_{1}^{2} Y_{1}^{2} - \alpha_{2} \right)^{2} \\ = \sum \left(\sum X_{1}^{2} X_{1}^{2} Y_{1}^{2} - \alpha_{1} \sum X_{1}^{2} \sum X_{1}^{2} Y_{1}^{2} - \alpha_{2} \sum X_{1}^{2} \sum X_{1}^{2} Y_{1}^{2} - \alpha_{2} \sum X_{1}^{2} \sum X_{1}^{2} Y_{1}^{2} - \alpha_{2} \sum X_{1}^{2} \sum X_{1}^{2} X_{1}^{2} + \alpha_{2} \sum X_{1}^{2} \sum X_{1}^{2} + \alpha_{2} \sum X_{1}^{2} \sum X_{1}^{2} \sum X_{1}^{2} + \alpha_{2} \sum X_{1}^{2} \sum X_{1}^{2} + \alpha_{2} \sum X_{1}^{2} \sum X_{1}^{2} X_{1}^{2} + \alpha_{2} \sum X_{1}^{2} \sum X_{1}^{2} + \alpha_{2} \sum X_{1}^{2} \sum X_{1}^{2} + \alpha_{2} \sum X_{1}^{2} + \alpha_{2} \sum X_{1}^{2} \sum X_{1}^{2} + \alpha_{2} \sum X_{1}^{2} \sum X_{1}^{2} + \alpha_{2} \sum X_{1}^{2} + \alpha_{2} \sum X_{1}^{2} \sum X_{1}^{2} + \alpha_{2} \sum X_{1}^{2} + \alpha_{2} \sum X_{1}^{2} \sum X_{1}^{2} + \alpha_{2} \sum X_{1}^{2} + \alpha_{$$

/15,2 74/3

 $\alpha_{1} = \frac{1296000 \times 20516500 - 81120000 \times 312850}{(1296000)^{2} - 20400 \times 81120000} = \frac{-8.53818 \times 10^{41}}{-109812 \times 10^{41}}$ = 1.771

 $a_{2} = \frac{1296000 \times 312850 - 20400 \times 20516500}{(1296000)^{2} - 20400 \times 87720000} = \frac{-13083 \times 10^{10}}{-1.09872 \times 10^{11}}$

= 0,119