```
EW13167 W
                                  Algorithm chair
shende Dhaneal Dhanerais
                                     LAB-72
step 1: start
 steps: Depine a function to calculate usp prosp)
    AL WP3+ A 2 NP2+ A3NP+ A4
 step3: Define a function which octurn direvatives
        assay function wp : df(wp) "
                  3 A1 WP2 + 2 A2 WP+ A3
  step4: Find A1, A2, A4, 14 using rannulae.
          A1 = 0.3651
           A2=0.64.31. & DFOS
           A3 = - 2 & D FOS Wy
           A4 = - FOS PD nog 2
  step 5% calculated SI = K (1000) - a
                    Ink = (5, yi) (5 xi2) - (5 xi) (5 xi)
                         4 ($ x12) - ($ x1)2
                     -a= 4(5 xiyi)-(5 xi)(5 8i)
                        4 ( 2 x12) - ( 2 x12)
 step6: dake up=100, ensor=0.02
step7: calculate wp = wp - bilwp)
                          t2 (NP)
```

steps: st | wp: wp | re, jo to step g. steps: steps: Else, wp = wp = and go to step 6.

step to: Display wp, as the Final answer

step it: stop.

(100)

find his many posts paradis.

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3 --- 2 ---

3/0/3/3/14

1914 414

EN PARALES

114 (3) - (27,13)

for functions; conditions four of (val [], nop); pose i=1-74: 3x = vau([i] x pow (mp, 3-i) return 97 TEMP (NOULE), NOD) o Heturn 3 x var (07+ pow (wp12) + 2 + var (1) + wp) Neulation at AIIA2/A3/A4: 4(wp) = A1 wp3 + A2 wp2 + A3wp + A4 = 0

For
$$\frac{SP}{OP}$$
: Rock [was streamyth Applied | Institut streams.]

For $\frac{S_1(0.64 + 0.36 \frac{MP}{MP})}{PD}$ | $\frac{MP^2}{MP}$ | $\frac{1}{MP}$ | $\frac{1}{MP}$

4 + 41 49 4 + 110 (4 + 416 74) (300)