```
د المارية المارها
                                                سا والآؤدنوس 4/۱۷ و4/۱۸
    1 (2) 1 () je
     Value(s) = -h(s)
     Schedule(1) = 1, Schedule(1) = 1, this schedule (n) =0
     h (firststate) = 1
    random neighbour -> h(Snow) = !
     Acceptance Probability -> >/
    Value (S) - max?
     for le 1 to 0 do -> pls - july - Simulated annealing Tull

Te schedule (t)
         if T=0 then return current -> ( e) c is is is
        next = a randomly selected successor of correct
         △E = Value (riext) - value (current)
         if DE>0 then current = next
         else current = next only with Probability es &
                                           صفرت تنابراس براى للت
t = 1 \rightarrow schedule(1) = 1 \rightarrow T = 1
                              Pas Giljo current (su successoril posses do
    DE « Value [next] - Value [corrent]
next -> -h(Srew)=1 = Value (Snew) => -1-(-1) =-1
current -> - h (first state) = - 1 = Valuels)
    DE = -1 < 0 => e -1/4 = 0,14 -> 7,1/4 -> current = next
                                               ratual convent) = - 1
t=1 -> Schedule(Y) = 1 -> T = Y
      DE =-1-(-1) = 0
       DE =0 → e =1 → >/r
                                       - current = next
                                         Pulle (corent) = - T
    r -> Schedule (r) = 0 T=0 /
     => Value = - Y
```

F.R'-R n. = (-1,0) \$(01,001) = 91, 4 + 101, 4 21, -0 mm? 9
gradient de Scent Prod 3/10 5/11 cm - 0 { () = 1000/17 MAN DI C/3 () ... on = a (8-1 1-12 a bind Sing Fini) = Fry + Est. $f'(n) = |Tn, T + F \rightarrow f(n) > 0 \rightarrow Convert$ و موس من سر سہ است ے ملہ مسلم منسم رار کاهرای کردیا The de $n_1 = n_1 - \alpha \frac{\partial}{\partial n_1} \left\{ (n_1, n_2) = n_1 - \alpha \frac{\partial (n_1 + r_n f_+ \alpha)}{\partial n_1} \right\}$ 1) -> 2, -10-16 (xx,141) = -1 - (-ex10-e) =-01999V = 21 2) -> = 0/999V -1,- F ((-0/999V) *E+1) = 0/999E ... 3) - - 0/999 = 10 ((-0/991K) +1) = 0/9991 2(- x - x - (n, ++n, ++ 2,)

ar - 10 x Far =0

Cilve

2) Y = Y = -1 = -1 + Y = Y2) Y = Y = -1 = -1 + Y = Y3) -Y = -1 = -1 + Y = Y3) -Y = -1 = -1 + Y = Y3) -Y = -1 = -1 + Y = Y3) -1 = -1 = -1 + Y = Y3) -1 = -1 = -1 + Y = Y3) -1 = -1 = -1 + Y = Y3) -1 = -1 = -1 + Y = Y4) -1 = -1 = -1 + Y = Y4) -1 = -1 = -1 + Y = Y4) -1 = -1 = -1 + Y = Y4) -1 = -1 = -1 + Y = Y4) -1 = -1 = -1 + Y = Y4) -1 = -1 = -1 + Y = Y4) -1 = -1 = -1 + Y = Y4) -1 = -1 = -1 + Y = Y4) -1 = -1 = -1 + Y = Y5) -1 = -1 = -1 + Y = Y6) -1 = -1 = -1 + Y = Y7) -1 = -1 = -1 + Y = Y8) -1 = -1 = -1 + Y = Y8) -1 = -1 = -1 + Y = Y8) -1 = -1 = -1 + Y = Y10) -1 = -1 = -1 + Y = Y11) -1 = -1 = -1 + Y = Y12) -1 = -1 = -1 + Y = Y13) -1 = -1 = -1 + Y = Y14) -1 = -1 = -1 + Y = Y15) -1 = -1 = -1 + Y = Y16) -1 = -1 + Y = Y17) -1 = -1 + Y = Y18) -1 = -1 + Y = Y19) -1 = -1 + Y = Y10) -1 = -1 + Y = Y11) -1 = -1 + Y = Y12) -1 = -1 + Y = Y13) -1 = -1 + Y = Y14) -1 = -1 + Y = Y15) -1 = -1 + Y = Y16) -1 = -1 + Y = Y17) -1 = -1 + Y = Y18) -1 = -1 + Y = Y19) -1 = -1 + Y = Y10) -1 = -1 + Y = Y10) -1 = -1 + Y = Y10) -1 = -1 + Y = Y11) -1 = -1 + Y = Y12) -1 = -1 + Y = Y13) -1 = -1 + Y = Y14) -1 = -1 + Y = Y15) -1 = -1 + Y = Y16) -1 = -1 + Y = Y17) -1 = -1 + Y = Y18) -1 = -1 + Y = Y19) -1 = -1 + Y = Y10) -1 = -1 + Y = Y11) -1 = -1 + Y = Y11) -1 = -1