UNBAR REGRESSION ASSIGNMENT - PARTIT QUESTION 2 01

CIRADIRAT DESCENT ALGORITHM- UNIVARIATE FLAN CTION

$$J(x) = x^2 + x + 1$$
, $\eta = 0.1$, $\eta = 1$

: HOTELLO 2

$$J(n) = n^{2} + n + 1$$

$$= |x^{2} + |x + 1|$$

So
$$n = \frac{-b}{2a}$$

$$n = \frac{-1}{2 \times 1}$$

$$n = -\frac{1}{2}$$
 MINIMA = $[-0.5]$

$$J(n) = 2n + 1 = 0$$

157 ITERATION

$$= 1 - 0.1(2k)$$

= 1 - 0.3
= 0.7

2 nd IBBIZATION

$$= 0.7 - 0.24$$

