$$D = \left[ w_1 \cdots w_{d_1} w_{d_1+1} \cdots w_{d_1+d_-} \right]^{\mathsf{T}}$$

Since we must humber of hetred words to defermine it an article is hetred or mits and the bins is -3.5, of is: wf= [-3.5 +] +1 ... +1 1 1 1 ... 1] TEIR d+1 (x= [x0x1...x1] = [1x1...xm])) -> graf word ite article x + > 7i=1 firialind : 11wf11= Juf uf = JINK+ 1xd++ (1)xd- = JINX+d  $\frac{1}{2} \int_{-\infty}^{2} m \ln \frac{(w_{1}^{2} \chi_{0})^{2}}{w_{1}^{2} w_{1}^{2}} = m \ln \frac{(w_{1}^{2} \chi_{0}^{2})^{2}}{12 \times 10^{2}} = \frac{0.5}{12 \times 10^{2}}$ Suppose Atodo 则加于教生在分= R= max | xn ||

$$R = \max_{n \in \mathbb{N}} \| x_n \|_{\infty}$$

$$= \min_{n \in \mathbb{N}} \| x_n \|_{\infty}$$

1275+0