16) A coopeing to the standard depinition, it lime an = L then Ian - L/ < 6 (6 > 0) => |(an+2)-L+2.1< 6 () prod -2 and +2 => 1 Can +2) - CL+2) | L & (2) Sub Xn = an +2 and M2 L +2 => 1 (Xn - M) < E - We will how Check if I in - in I LE is a valid State ment $\frac{1}{|x_n - \overline{x_n}|} = \frac{1}{|x_n||M|} |M - x_n| \quad \text{(3)} \quad \text{distributes} \quad \text{the assolute value}$ =7 IXn/1/M1/M-Xn/ < IMIM1/M-Xn/ (4) Defines learnations: defined equation (B)

Triumsia succession $A \mid M - \times n \mid < \frac{\xi_3}{3} \quad (\frac{\xi_3}{3} - \frac{M^2}{2})$ $A \mid M - \times n \mid < \frac{\xi_3}{3} \quad (\frac{\xi_3}{3} - \frac{M^2}{2})$ $A \mid M - \times n \mid < \frac{\xi_3}{3} \quad (\frac{\xi_3}{3} - \frac{M^2}{2})$ $A \mid M - \times n \mid < \frac{\xi_3}{3} \quad (\frac{\xi_3}{3} - \frac{M^2}{2})$ $A \mid M - \times n \mid < \frac{\xi_3}{3} \quad (\frac{\xi_3}{3} - \frac{M^2}{3})$ $A \mid M - \times n \mid < \frac{\xi_3}{3} \quad (\frac{\xi_3}{3} - \frac{M^2}{3})$ $A \mid M - \times n \mid < \frac{\xi_3}{3} \quad (\frac{\xi_3}{3} - \frac{M^2}{3})$ $A \mid M - \times n \mid < \frac{\xi_3}{3} \quad (\frac{\xi_3}{3} - \frac{M^2}{3})$ $A \mid M - \times n \mid < \frac{\xi_3}{3} \quad (\frac{\xi_3}{3} - \frac{M^2}{3})$ $-\frac{1m!}{2} < |x_n| - |m| < \frac{1m!}{2}$ * This is From Sulbin ons 1 Iml (IXn1 (31m1 defined earnation (A) $||\mathbf{B}|| \leq \frac{2}{|\mathbf{A}|} \leq \frac{2}{|\mathbf{A}|}$ - All to shether 1 xn - m 1 = [xn 1 m 1 M - xn] < 1 m 1 m - xn] < 2 m 1 m 1 m - xn] < 2 E = E (5) sul (4 in (64 = 6) => 1 = - = 1 < E =>1= - #1 < Eyz 5 =>15 - 1 6 - From (2) we sub lack Xn and => | s - 5 | < 6 ". BY one the primary definition or the limit 445 Hilroy 1;m 5 - 5 h-2 00 ant2 L+2