Q1) to Stabt we take the equation and simplify: 27 11 CX-1) (X+3) CX-2) Since this, isonit both foon fox - 1 we can expose it as Ifox)-L! => 1:m | (x-1) (x+3) (x-2)1 2 > 11m | X-1 | X+3 | X-2 | Note lim x is earner to 0 < | X - 2 | & 8 for and 8 & R, we can make pais low as if 0 L | X - Z | & 1 it will also week pos Q 6 | X - 2 | 6 Z White Z > 1. .: 0 6 | X - 2 | 2 1 27 0 < 1x-21 <1 27 1 4 X 63 CX'S upper bound 15 3) 1 1x-11 6 Cif x > 1) => |x-11|x+3|1x-2| 4 2 . 6 |x-21 12 1 x - 21 * make 8 the min or (1, E) for some 6 >0 27/x-2/ 6 CM 8 51) : If CX) - L| = |x3 - 7x + 6| = |x - | ||x + 3 | |x - 2| < 2 . 6 . |x - 2| 42.6.6 (E CFOR ANY E 70 : Stuce OS | X-21 4.8 ans | f(x) = L | < B the Ismis is proven!