Sun of two shalk $V(t) = \alpha_1 e^{(jX_1)} + \alpha_2 e^{(jX_2)}$, X; = ZT ft + 0; $V_1(t) = \alpha_1 e^{5X_1}$ A $V_2(t) = \alpha_2 e^{5X_2}$ Q = 012-1 = TT Victs = a, cos x, & Vz = az cos xz $= 7 \alpha_1 \cos \left(2\pi f_1 t \right) = 7 \alpha_2 \cos \left(2\pi f_2 t \right)$ $V_1(t) + V_2(t) = V_{re} = \alpha_1 e^{i(2\pi f_1 t)} + \alpha_2 e^{i(2\pi f_2 t)}$ regitarios $V_{i}(t) + V_{2}(t) = V_{i} = \alpha_{i} e + \alpha_{2} e + \alpha_{3} e$ VV= 0, + 0,02 + 02 + 020, = (0, + 02) Which shows constructive interferere as in the amplifuly will be added and not dertray Eachother.