Espectros de cada etapa: 1) Aim (t) cos (211/6 t + 00) $A_1 m(t) \left(e^{j2\pi} fot + e^{-j2\pi} fot \right) = A \left(m(t) e^{j2\pi} fot \right) + \left(m(t) e^{-j2\pi} fot \right)$ con F(x(t) elwor } = x (w; wo) A M ((w-21/6) + (w+21/6)) 2) cos (211 fot + 00) 0° = 0 (os $(2\pi \int ot) = \int e^{j2\pi \int ot} + e^{-j2\pi \int ot} = \mp \int e^{j2\pi \int ot} + \mp \int e^{-j2\pi \int ot}$ con 7 gc= 2mf (w 7 Wo) F(w) = TT & (w-211fo) + TT of (w+211fo) -> Hixer, A; m(t) $\cos^2(2\pi f \circ t + \theta \circ) = A \cdot m(t) + A \cdot m(t)$ (os (4 $\pi f \circ t + 2\theta \circ$) $= F(\omega) = AH(\omega) + A \cdot m(t) + C \cdot e^{i+\pi f \circ t} + e^{-j+\pi f \circ t}$ (m(t) e 1911 fot) + (m(t) e) 911 fot # (w) = AM (w) + A con F (x(t) e Jwot } = x (w + wo) F(w) = AM (w) + A H ((w - 41160) + (w +41160)) → low pars A1 m(t) F(W) = AM (W) -> scale amplitude by AI A1 m(t) m(t) AI F (m (t)) = M(w)