Determina TF de la función g(t) A sin wt - 1 sin 1 t g(6) { scort; -11 < 6 < 17 w = 2 1 = 1 sub= eit-et; 2ismt=eit-et Flg(t)] = Sg(t) eint dt = Sente ut = 5 reit it eint 15 [e 1-e 1] dt $-\frac{1}{2i}\left[\frac{1}{i(1-w)}e^{it(1-w)}\right]^{T} + \frac{1}{i(1+w)}e^{-it(1+w)}$ = 1 [1 (ext(t-w) -it(1-w)) + 1 (ext(t-w) = it(4-a))] = -1 [- (e'e - e e) + 1 (e'e e' - e'e'')] = - 1 - 1 ((-1) e - (-1) e) + 1 ((-1) e - (-1) e - (-1) e = -1 | - (-eitw + e | + 1 (-eita + eita)] = - = - = 1 = (sen tw) + = = = sen tw (- w + 1 + 1)

= -isen Tw (1+6) + (-10) = -isen Tw (1-00) = it d sentw] F(w) = 0 + i (2 s m Tw) (F(w) = 2 sen Tw) 0 (w) = ton (2 sentu) = ± 900