E6) Dato lo scheuz di controllo $(1+35)^{2}(1+0,15)$ $\mathcal{H}(s) = \frac{4(1+2s)}{}$ $w(t) = A ram(t) |A| \leq 2$; $d(t) = Bram(t) |B| \leq 1$ $dr(t) = D \sin(\omega t + \delta)$ $|D| \leq 3, \omega_r > 1.5$ · leal in presenza (contemposer) di we e al sie < 0,5 o | l(t) | about o a dr sis ≤ 1 + wr nel verpe stato • ω \geq 0,2, ϕ \sim 65°

· Pragetto Statico H(0) = 4 => per t > 00 06(t) ~ 40(6) = 48 roully 10(5) Folt do D2 2 E = 218 Lim - 534 = 218 S>0 ML+ 534 Se wetto $g_1 \ge 2$ loo, d = 0 pero ho 2 interpretori ($XL = 180^\circ$) Se wetto $g_1 = 1$ loo solo 1 interpr. in sullo we loo, $d = -48 \frac{1}{17L}$

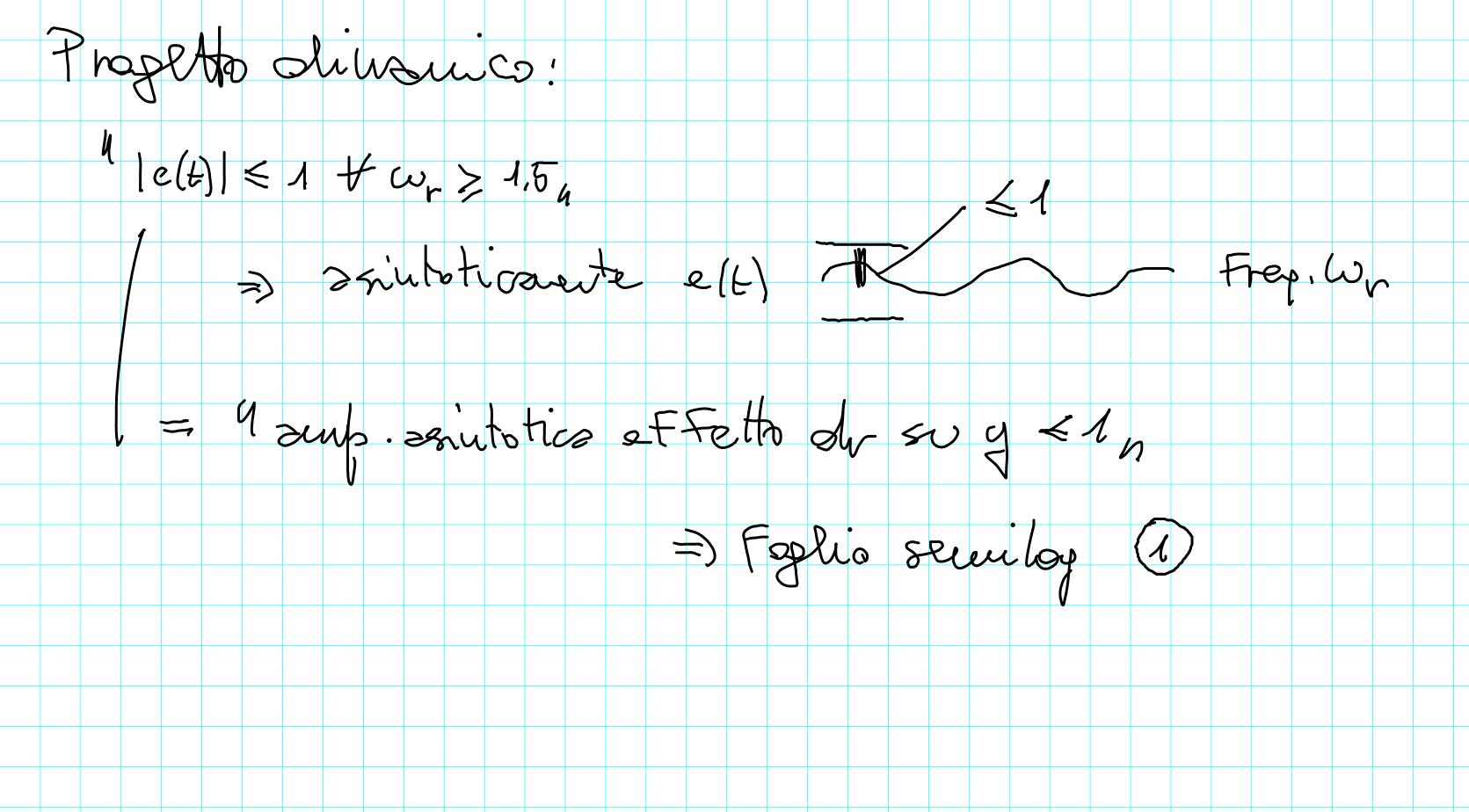
Pop,
$$w = \lim_{S \to 0} \frac{S}{5^2} \frac{1}{1 + T_0 / g_L}$$

Stesse coursi dersonomi so T_L / g_L

Scalego di pame sis e_{00, W} sis e_{00, d} surbealre in modulo

 $= \frac{C}{5} = \frac{C}{5}$

Alteustivs: $\frac{|A|+|4B|}{|A|} \leq 0.5 \Rightarrow \frac{6}{|A|} \leq 0.5 \Rightarrow \frac{7}{|A|} \geq 12$ Cerclivaione: 3=1, 41 > 20



Ottengo
$$c_{c} = 0,3$$
 e $p_{u} = 7.8^{\circ}$ con

$$R(5) = \frac{L(5)}{P(5)} = \frac{20(1+5/0,016)^{2}}{5(1+5/0,002)^{2}(1+0,15)^{2}} = 1$$

$$= \frac{20(1+5/0,016)^{2}(1+35)^{2}}{5(1+5/0,002)^{2}(1+0,15)}$$
Hermotivo con $p_{u} = 2$ conclue $p_{u} = 0$ $p_{u} = 0$ Folio gravi $p_{u}(2)$

