9. Obtineti elongatia vitera se acceleratia un miscarea oscilatorie fortata en perenta amortizarii, en regim stationar. Brezentati finomenul de retoranta ma=Fe+R+Fo cos\_2t=> =) mx +9x+ 1x= To cos D t =) = 1 x + m x + m x = fo (8) 12 + (-) b= 2m =7 x +2 bx+ co2x = to cos n+ (0) = M  $X_n(t) = B cos(\Omega + tB)$ ×n(+)=-BD COS(1)++B) -B. D' COS (D ++B) = 26 BD COS (D+B) + 60 BCOS (D+B) =) B ( co2 - 12) cos ( 12++3) + 26B1 cos (12++B) = = to cos Dt Eliza 2  $\frac{to}{m} = B \sqrt{46^2 \Omega^2 + (\omega^2 - \Omega^2)^2} = 7B = \frac{Fo}{m \sqrt{46^2 \Omega^2 + (\omega^2 - \Omega^2)^2}}$   $\frac{to}{m} = \frac{1}{2} \frac{B}{m} = \frac{1}{2} \frac{1}{m} \frac{1}{m}$  $A_{3}B = \frac{-2b-12}{\cos^{2}-\Omega^{2}}$  $f(\Omega^2) = 4h^2 \Omega^2 + (\omega^2 - \Omega^2)^2 = 3$  $= 7 / (\Omega^2) = \Omega^4 + \Omega^2 2 (26^2 - 66^2) + 66^6$ 12 166 -166 co2

12 min = 4 = 46 co2 + 46 co2 +

= 60 - 26 = 2 gettorunta B(D2 revocanta) = To V(co2-co2+262)2+462(co2-263) - V46202-469 - m26 Ve3-62 : Ence - 26m co 11 - 62 static B(D=0)=Bolatic = 10 26 11-62