Method of Variation of Parameter. ao(h) y" + a, (h) y' + a, (h) y = 91 (h) Coversponding Homogeneous Equation: ao(x)y" + a, (x)y' + a2(x)y = 0 If y,(n) & y2(n) are two roots of above ϵ_q . C. F = Ay, (n) +3 (y2(n)-1) Replace A by Ain &3 by B(n) C.f = (A(n) /y, (n) +iB(n) iy = (n) $A(u) = -\int \frac{g(u)}{i g(u)} + C_1$ $B(n) = \int \frac{g(n)}{\omega(n)} + C_2$ where; $g(n) = \frac{g(n)}{g_0(n)}$ $\omega(w) = \begin{cases} y_1(w) & y_2(w) \\ y_1'(w) & y_2'(w) \neq 0 \end{cases}$ Reson as Woronskian of y/(1) kyels