$$r_{n+1} = 2r_n + (-) r_{n-1} + h_3 = n$$

$$4 v_n = (r_{n+1} - v_{n-1}) / 2$$

$$-24 v_n + v_{n+1} = r_{n-1}$$

$$2 V_{n+1} = 2 v_n + 2 h v_n + h \frac{3}{2} a_n$$

$$V_{n+1} = v_n + h v_n + \frac{h^2}{2} \frac{1}{2} a_n$$
Ennow

$$V_{n+1} = V_n + hV_n + \frac{h^2}{2} \frac{4}{3} a_n - \frac{h^2}{2} \frac{a_{n-1}}{3}.$$

$$a_n = 3(V_{n+1} - V_n - hV_n + \frac{h^2}{2} \frac{a_{n-1}}{3}) 6$$

$$-4/2$$

$$hV_{n+1} = \frac{1}{6} + hV_n + \frac{h^2}{6} (2n+1+2n) - \frac{1}{6} + \frac{h^2}{6} (2n+1+2n)$$

$$hV_{n+1} = hV_n + \frac{h^2}{6} (32n+1+32n) = hV_n + \frac{h^2}{2} (2n+1+2n)$$