Inti = aitn + az yn-1 + h [bo dit + bidn' + bz din-1] & (Khti) - Jnti = y(xn-1+2h) - [a, y(xn-1+h) +a, y(xn-1) +h bo y(xn-1+2h) + h b1 y'(xn-1+h) + h b2 y'(xn-1)] = $y(x_{n-1}) + 2h y'(x_{n-1}) + \frac{(2h)^2}{2}y''(x_{n-1}) + \frac{(2h)^3}{3}y'''(x_{n-1}) + \frac{(2h)^4}{24}y''(x_{n-1}) +$ - a, [y(xn-1)+hy'(xn-1)+h2y"(xn-1)+h3 y"(xn-1)+ h4 yiv(xn-1)+--] - hbo [y'(xn-i) + 2h. y''(xn-i) + (2h)2 y'''(xn-i) + (2h)3 yi'(xn-i)+-] - az y (xn-1) hbi [y'(xn-1)+hy"(xn-1)+ = y"(xn-1)+ =] y(xn-1). [2-ay-az] +h [2 - ay-bo-b1-bz] + h2. y"(xn+) [4 - 2 - 260-61] + h3 y 111 (xn-1) [\$ 8 - a1 - b0 x 4 - b1] +h4 gir(xh-). [24 - 24 - 8 60 - 6] + 0 (h5) (: LTE = 0(45)) 1-9-42=0 2-4-60-61-62=0 2-9 -260-61=0 8-4-46-61-0 16 - A1 -860-6 =0 .

$$a_{1}+a_{2}=1 \longrightarrow 0$$

$$a_{1}+b_{0}+b_{1}+b_{2}=2 \longrightarrow 2$$

$$a_{1}+4b_{0}+3b_{1}=3 \longrightarrow 9$$

$$a_{1}+32b_{0}+4b_{1}=16 \longrightarrow 6$$

$$a_{1}=4-4b_{0}-2b_{1} \longrightarrow 6$$

$$a_{1}=4-4b_{0}-2b_{1} \longrightarrow 6$$

$$a_{1}=4-4b_{0}-2b_{1} \longrightarrow 6$$

$$a_{1}=4-4b_{0}-2b_{1} \longrightarrow 6$$

$$a_{2}=b_{0}+b_{1}=4 \longrightarrow 7$$

$$a_{3}=b_{0}+b_{1}=16$$

$$a_{4}-4b_{0}-2b_{1}+32b_{0}+4b_{1}=16$$

$$a_{5}=b_{0}+b_{1}=4 \longrightarrow 9$$

$$a_{6}=b_{0}+b_{1}=4 \longrightarrow 9$$

$$a_{1}=b_{0}+b_{1}=4 \longrightarrow 9$$

$$a_{1}=a_{1}-a_{2}=a_{1}-a_{2}=a_{1}-a_{2}=a_{2}=a_{1}-a_{2}=a_{2}$$