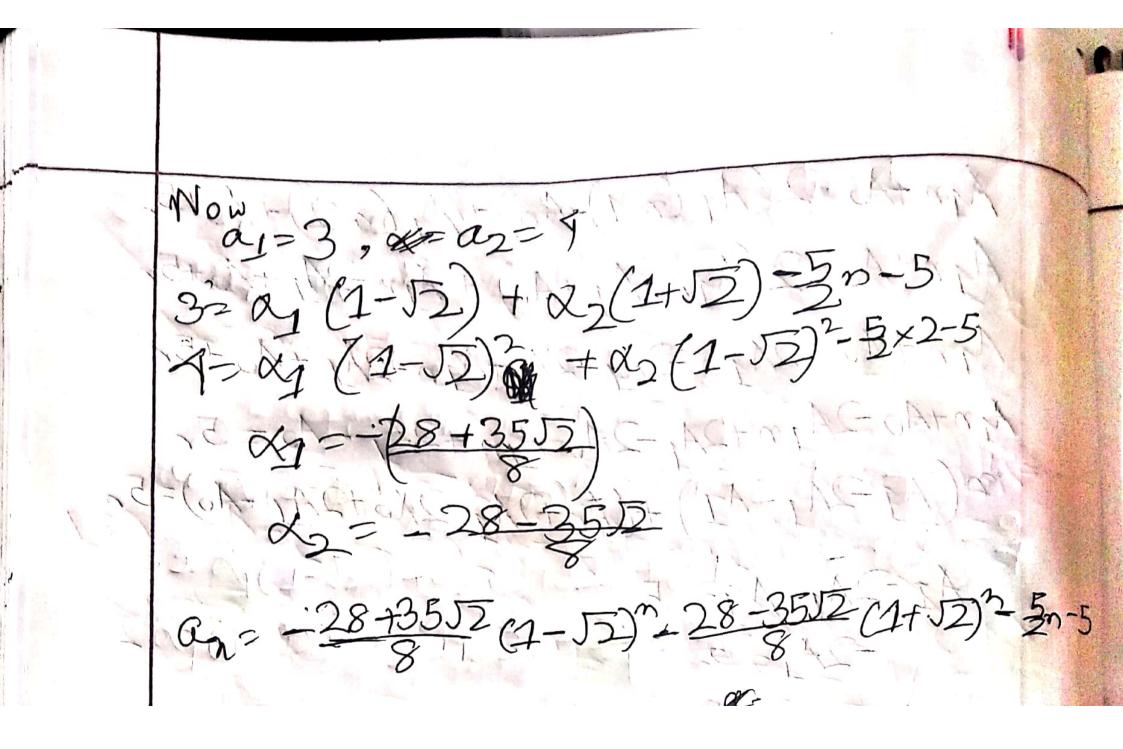
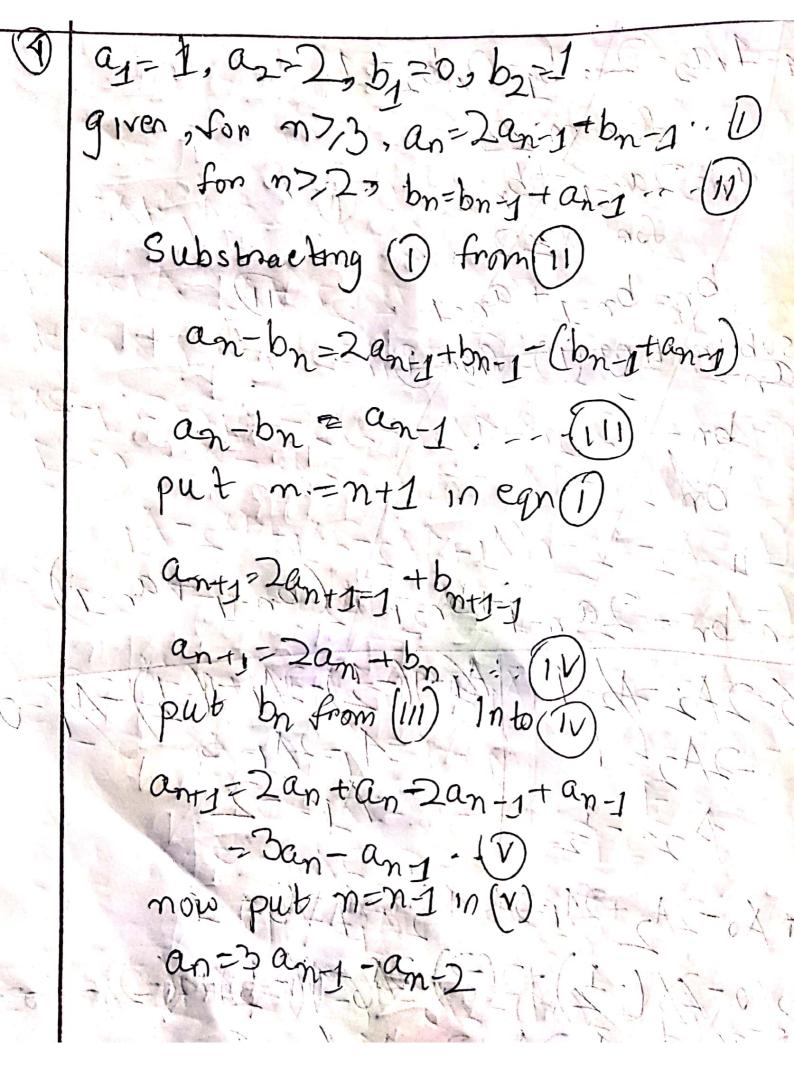
an = 2an-1

Am +Ao = 2 (A1 (n-1)+Ao) + Ay (n-2)+Ao+5n An+Ao= 2 (An-Ay +Ao) + An-24 + Ao+5n An+Ao - 2A1n-2A1+210+An-2A1+Ao+5n An+Ao-2An+2Ay-2Ao-An+2Ay-Ao=5n A1-2A1-A1) + (A0+2A1-2X0+2A1-A0)=5n

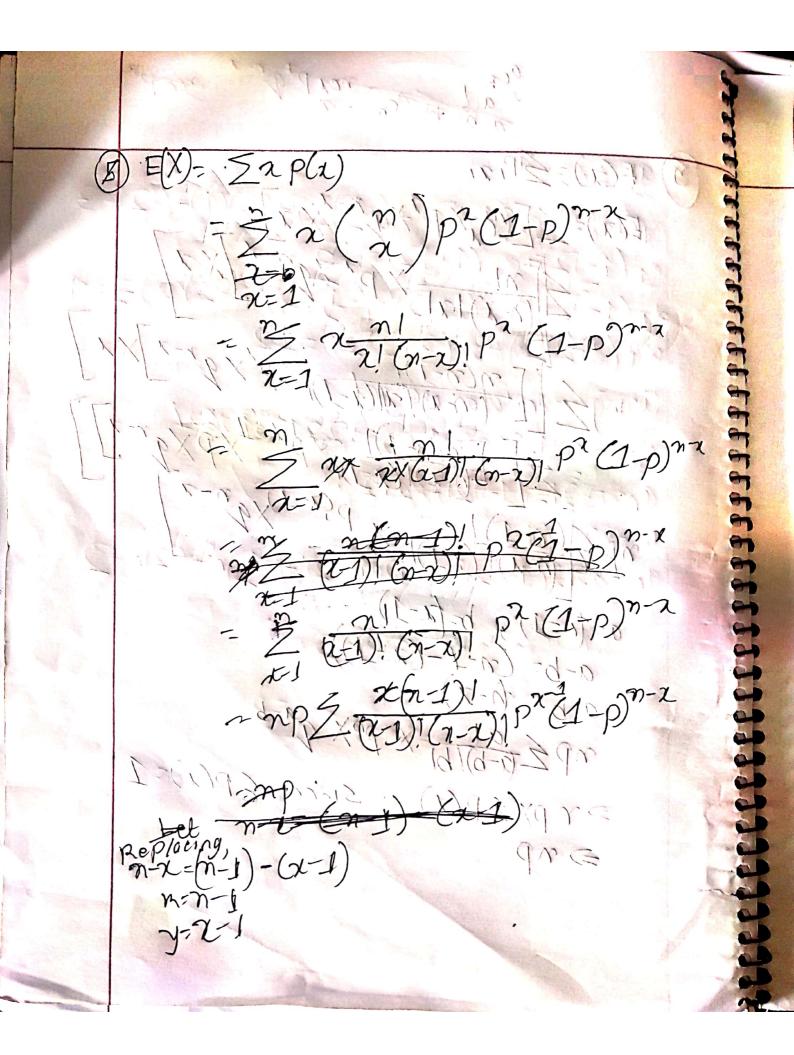


a=3 6-10 a=7 an-2an-1-an-2=2-1 ri2-20-1=0 9=1-52, P2=1+52 an= A2n2+ A1n+A0 an-j=A2n2-2A2n+A2+A1n-A1 an== A2n=- A2n+A2+A2n-2A3+A0 A222+Agn+A0-2(A222-2A2n+A2+A1n-A1+A0) -(A2n2-1A2n+AA+A1n-2A+A0=n2-1 $\Rightarrow A_{2}n^{2} + A_{1}n + A_{0} - 2A_{2}n^{2} + 4A_{2}n - 2A_{2} - 2A_{1}n + 2A_{1} - 2A_{0}$ $- A_{2}n^{2} + 4A_{2}n - 4A_{2} - A_{1}n + 2A_{1} - A_{0} = n^{2} - 1$ => 12 (A2-2A2-A2)+n (A1+7A2-2A1+7A27A1) -+ (1-0-2A2+2A1-2A0-1A2+2A1-A6)=m2-1 1/2-2/2-1/A1+1(-1)-2/1+1(-1)-1/4-0 Ao-242+2A1-2A0-4A2+2A1-A0=-1 Ao-24(-5)+2(-2)-2A0-4(-5)+2(-2)-A0=-1 A0 =-2

Using calculator, we got



=> np



= m! (m-y)! ay bm-y = /a $= \underline{2(\alpha - \kappa)^2 p(\alpha)}$ E[(X-x)]= E(X2) -[E(E(X2) = 2 22 m/ (nx)/p7 (1-p)n-x

= [X(X-1)] = \(\frac{2}{21-(n-2)} \) 2-21/62/1-01 2 n(n1) p2 2 (n+2) 1 p2-2 (1-p) nx SI- (5/2-12) (2-2) 1. (2)-2)1, nx Replaining on-25 (2) - (x-2) n(n-1)px 2 n-2)1px 2/2-6-2)1 = on(ni)p2x2 ml y20 y1 (m-y)! po (1-p)m-y [X(X-1)] - n(n-1)p E(X2)-E(X)=n(n-1)p2

= n (n-1)p2+np