Math 321 $Q = Q_{n-1} + n$ $Q_{0} = 1$ $Q_{0} = 1$ 93=92+3=4+3=7 Qu = Qu - 1 + 1 Qu = Qu - 1 + 1 Qu = Qu - 1 + 1an=1an-z+(n-1)+n an = an-1+1 an = an=5+ (n-2) + (n-1) + ~ = an=2 + (n-1) an = ap + (1 + 7 + 00 + 1) = a0 + u(u+1) Cen = 1 + N(41) = 12+12 Check. an = and +4 $\left(\left(+ \sqrt{(n+1)} \right) \right) = \left(1 + \left(\sqrt{n-1} \right) \left(\sqrt{n} \right) \right) + \sqrt{n}$ 1 + v(n+1) - 1 + (n-1) v + su 1 + n(x+1) = 1 + n(x-1+2)1 + N(NH) = 1 + N(NH) 1 egul

(1) Solve
an= an-1+(2an-1+-+ (+an-1)
Ci = constants,
$\alpha = \alpha = \alpha$
$\frac{24^{5}}{3} = \frac{3a_{n-7} + a_{n-11}}{3a_{n-5} - a_{n-7}}$
10 m = (10 m =)
2 not linear
ares ares ares ares An-12 F Not Mew
an - 3an + an-11 +u
[2] S(X = S(X =)
mot o Tono
qn = (m)qn-1
Not cost. coest.
au = Gan-1+(29n2+-+ Cxan-K
Solver ans ms
Solve: 1 1-C, 5
Solve: physomal? Some easylo
we will have X roots.

