1. x(n)= x(n-1) + 5 para n>1 x(1)=0 x(n-1)=x(n-2)+5

[x(n-2)+5] +5 x(n-2)=x(n-3)+5

x(n-2)+10

x(n-3)+5+10

x(n-i)+i

con x(1)=0 e i=n-1

x(n)=[x(n-n+1)]+5n-5

=x{1) +n-5

=n

b)x(n)=3x(n-1)

x(n)=3x(n-1) x(n-1)=3[3x(n-1)]

= 3^ix(n-i)

Con x(1)=4 e i=n-1

X(n) =x^n-1(n-n+1)

=x(1)^n-1

=4^n-1=4^n

c)x(n)=x(n-1)+n para n>0, x(0)=0

x(n)=x(n-1)

=x(n-i)+in

Con x(0)=0 e i=n-1

X(n)=x(n-n+1)+n(n-1)

=x(1) + n^2-n

=x=n^2