

1) Kris Catal

	OLA-3: - Pricrets Structures CSC1-3080
morcia 1.	CCD=5
	C(n)= 2c(n-1) + 5 for n>1
1.	
2.	
3.	
4,	
5.	(CS)= 2* C(S)+5= 2* 15+5=155
-5	The first 5 recursive values from the sequence are 5,15,35,75,155
Exercis 2.	ACD= 2
	A(n)=nA(n-1) tn for n>1
1.	ACO = 2 /SA MEDICAL CI-ADD X CA I COLO
2.	AC2) = 2 * AC2) + 2 = 2 * 2 + 2 = 6
3.	ACS) = 3 x A (5) + 3 = 3 x 6 + 3 = 21
	A(4) = 4 * A(4) +4 = 4 * 21+4 = 88
5	A(5): 5 * A(5) +5 = 5 * 88 + 5 = 445
ے	The first 5 recursive values from the sequence are 2,6,21,88,445
Conração 3.	(a) PC() = 500
	P(n) = 1.012 * P(n-1) for n>1
6	"FOLD WOLL TO "ECLIP COLIN" MALLETON X "" BOLL CO.
	(b) Using this equation, I can tell that balance
Koth	is increasing around 6 dollars every year and with
	this pace it will take about 12 years to clear
	\$570 mark.
	P(12) = 570.11
	(Call * particl * "in 1 = Call !

you fair	
2000 - 30°	
Eccercie - 4	Scn) = cn-1 SCD + & cn-1 gci)
	B(n)= 3B(n-1) for n? 1
	C = 3, $g(n) = 0$, $S(n) = 5S(n) = 3^{n-1}(5) + 2 3^{n-1}S(n) = 3^{n-1}(5) + 2 3^{n-1} * 0$
Elas Servet Const. J.	$B(n) = 3^{n-1}(5) + 2 3^{n-1} * 0$ $B(n) = 3^{n-1} * (5)$
	(Sun) = 3 ACS)
morais 5	(20) 20 1 (20) 1
Re	P(n)=1000 P(n)=1.03* P(n-1)+100 for n>1
	C=1.03
	gen)=100 P(1)=100
and the state of t	PCh)= 1003 + 1000 + 2 1.03 + 100
	P(n)= 1.03 ⁿ⁻¹ * (900+100) +1.03 ⁿ⁻² * 100+1.03 ⁿ⁻³ *100+1.03 ⁿ⁻ⁿ *100
	P(n)= 1.03 1-1 * 900 + 1.03 1-1 * 100 + 1.03 1-3 * 100+ . + 1.03 1-1 * 160
	P(n)=1.03 ⁿ⁻¹ * 900+(1.03 ⁿ⁻¹ +1.03 ⁿ⁻² +1.03 ⁿ⁻³ ++1.03 ⁿ⁻¹ +1.03 ⁿ⁻¹ +
	P(n)=1.05 + 400 + (1.05 + 1.03 + 1.03 + 1.03 + 1.03 + 1.03
	P(n) = 1.03 - 4 900 + 100 + 8 1.03
	$PCn7 = 1.03^{n-1} + 900 + 100 * 1.03^{n-1}$

C. PCOD = 1.03⁸⁻¹ * 900 + 100 * 1.03⁸-1

The account would be worth 1996.1201 at the beginning of 8th year.

1998 1996.1261