	Rec	υv	hen	æ	rela	tians
7						

and interms of the everiors terms in the sequence

 $\frac{\alpha_{n} \rightarrow q_{0}, \alpha_{1}, \alpha_{2}, \qquad q_{n}, \qquad q_{n-2}, \alpha_{n-1}}{2}$ 

an = 2 an - 1 + 5 + an - 2 + an - 3

(a<sub>0</sub>, a<sub>1</sub>, a<sub>2</sub>, \_\_\_\_, a<sub>n</sub>)

 $\frac{1}{3}, \frac{5}{7}, \frac{7}{9}, \frac{9}{9}$   $\frac{1}{4} \frac{1}{4} \frac{1}{2} \frac{1}{4} \frac{1}{4} \frac{1}{1} \frac{1}{4} \frac{1}{1} \frac{1}{4} \frac{1}{2} \frac{1}{1} \frac{1}{4} \frac{1}{2} \frac{1}{1} \frac{1}{4} \frac{1}{2} \frac{1}{1} \frac{1}{4} \frac{1}{4}$ 

 $\frac{F_{n} = F_{n-1} + F_{n-2} \rightarrow 1}{F_{n} = 2 F_{n-2} + F_{n-3} \rightarrow 2}$ 

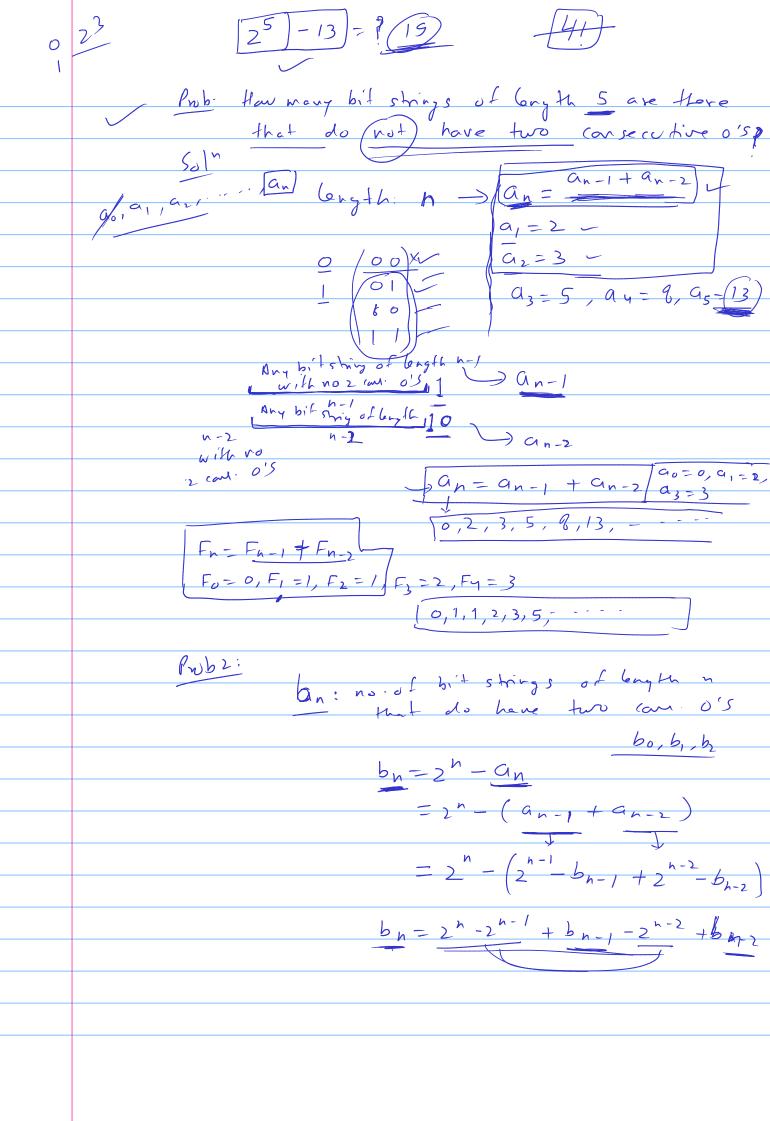
Compound Interest

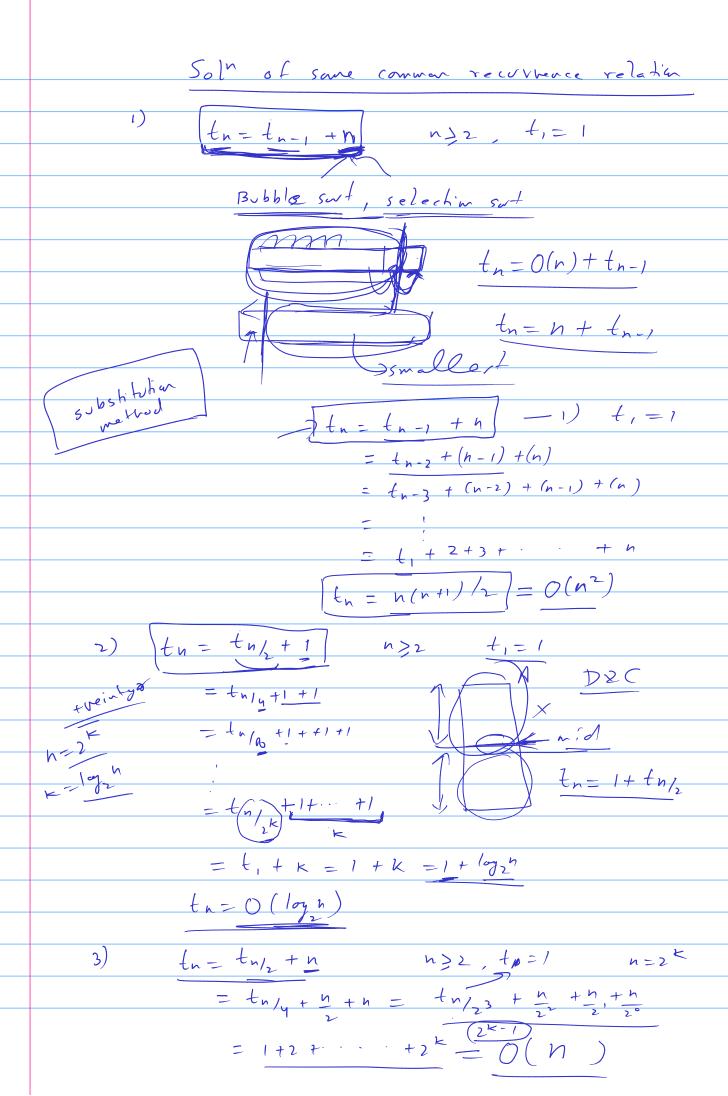
Po  $P_1 = P_1 = P_1 = P_1$   $P_2 = P_1 = P_2$   $P_3 = P_1 = P_1 = P_1 = P_2$   $P_4 = P_1 = P_2 = P_1$   $P_5 = P_6$   $P_7 = P_7 = P_7$   $P_8 = P_8 = P_8 = P_8$   $P_8 =$ 

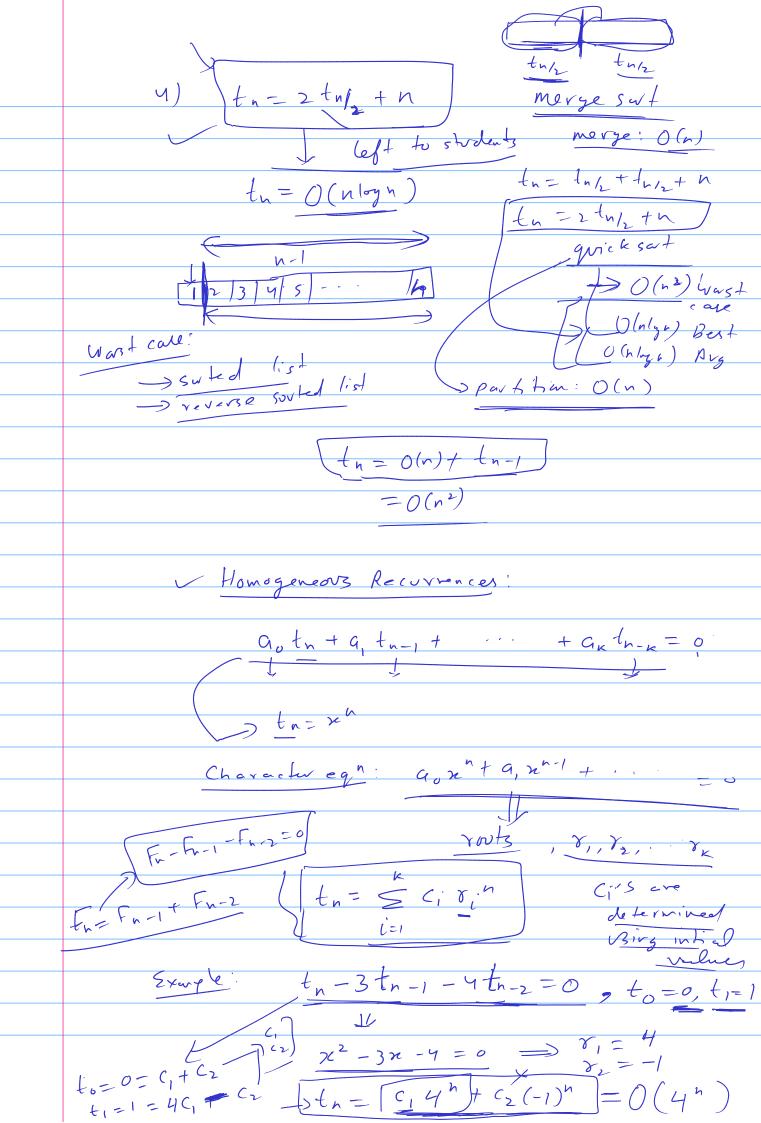
 $\int_{P_{N}}^{P_{0}} P_{0} = P_{0} \left(1 + \frac{Y}{100}\right)^{h}$ 

 $T_n = 2 T_{n/2} + Cn$   $T_n = T_{n/3} + O(r)$ 

Tr - Tr/k + O(1) = O(lyn)







$$t_{n}=t_{n-1}+t_{n-2} \qquad to co, t_{1}=1$$

tn-tn-x-tn-2=0

x2 -n -1 = 0

 $Y_{1}=\left(\frac{1+\sqrt{5}}{2}\right)^{1/2}$ 

 $V_{\nu} = \begin{pmatrix} 1 - \overline{J_5} \end{pmatrix} h$ 

 $t_n = C_1 \left( \frac{1+J\overline{s}}{z} \right)^n + C_2 \left( \frac{1-J\overline{s}}{z} \right)^n$ 

 $=\frac{1}{J_{5}}\left(\frac{1+J_{5}}{2}\right)^{h}-\frac{1}{J_{5}}\left(\frac{1-J_{5}}{2}\right)^{h}$ 

 $\sim O(n^{1.6})$