

a). Nov. 1923. 18.

70 years

Nov 1993 5000

4982 koalas

Nov ~~1993~~ 2001

71.17 koalas

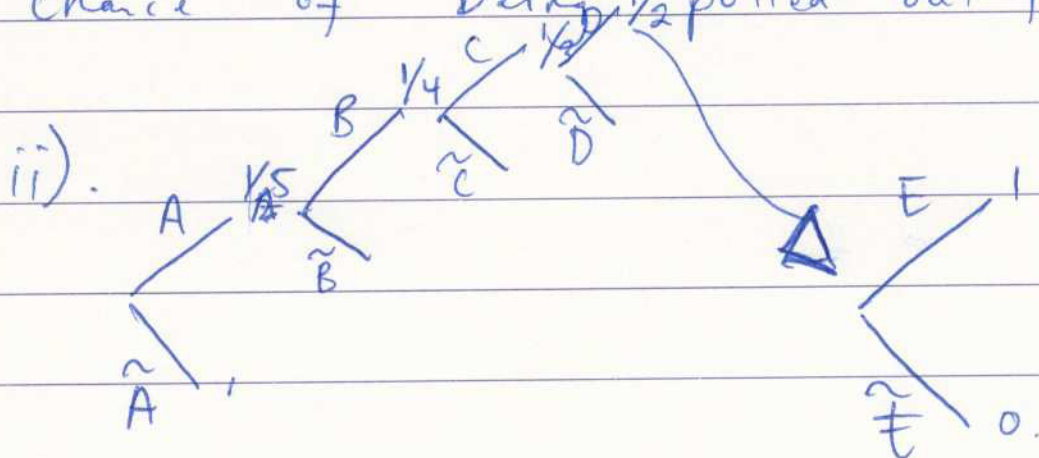
increase each

5569 koalas in
year 2001, Nov.

year.

$$N = N_0 e^{kt}$$

b). i). $\frac{1}{5}$. each person has equal chance of being $\frac{1}{2}$ pulled out first.



$$\frac{1}{5} \times \frac{1}{4} \times \frac{1}{3} \times \frac{1}{2} \times 1 =$$

$\frac{1}{120}$. probability of being in that order.