Consider the population of a bird species consisting 100 hatchlings and 200 adults this year(t=0). The average fecundity of hatchlings next year is 0.8, the average fecundity of adults next year is 1.2, the survivabilities of hatchlings and adults are 0.6, 0.5, respectively.

- 1. Write down the leslie matrix.
- 2. Estimate the number of hatchlings and the number of adults next year(t=1).
- 3. Estimate the number of hatchlings and the number of adults the year after next year (t=2).
- 4. Estimate the number of hatchlings and the number of adults three years after (t=3).
- 5. Estimate the number of hatchlings and the number of adults ten years after(t=10).