Assignments

- Show that: Prove that the eigenvalues of a symmetric matrix of real numbers are real numbers.

- **II:** If a medicine exists in 3 dosage forms :

  First type of concentration: 1 mg /tablet

  Second type of concentration: 2 mg /tablet

  Third type of concentration: 4 mg /tablet

  If the pharmacist wanted to prepare 18 tablets containing 3 mg / tablet by mixing whole

  tablets of each type. Find all possible solutions.