Assignments

I: If $A = \begin{bmatrix} 1 & 3 \\ 0 & 4 \end{bmatrix}$. Find $B = f(A) = \sqrt{A}$.

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: 3 mg /tablet

If the pharmacist wanted to prepare 14 tablets containing 2.5 mg / tablet by mixing whole tablets of each type. Find all possible solutions.