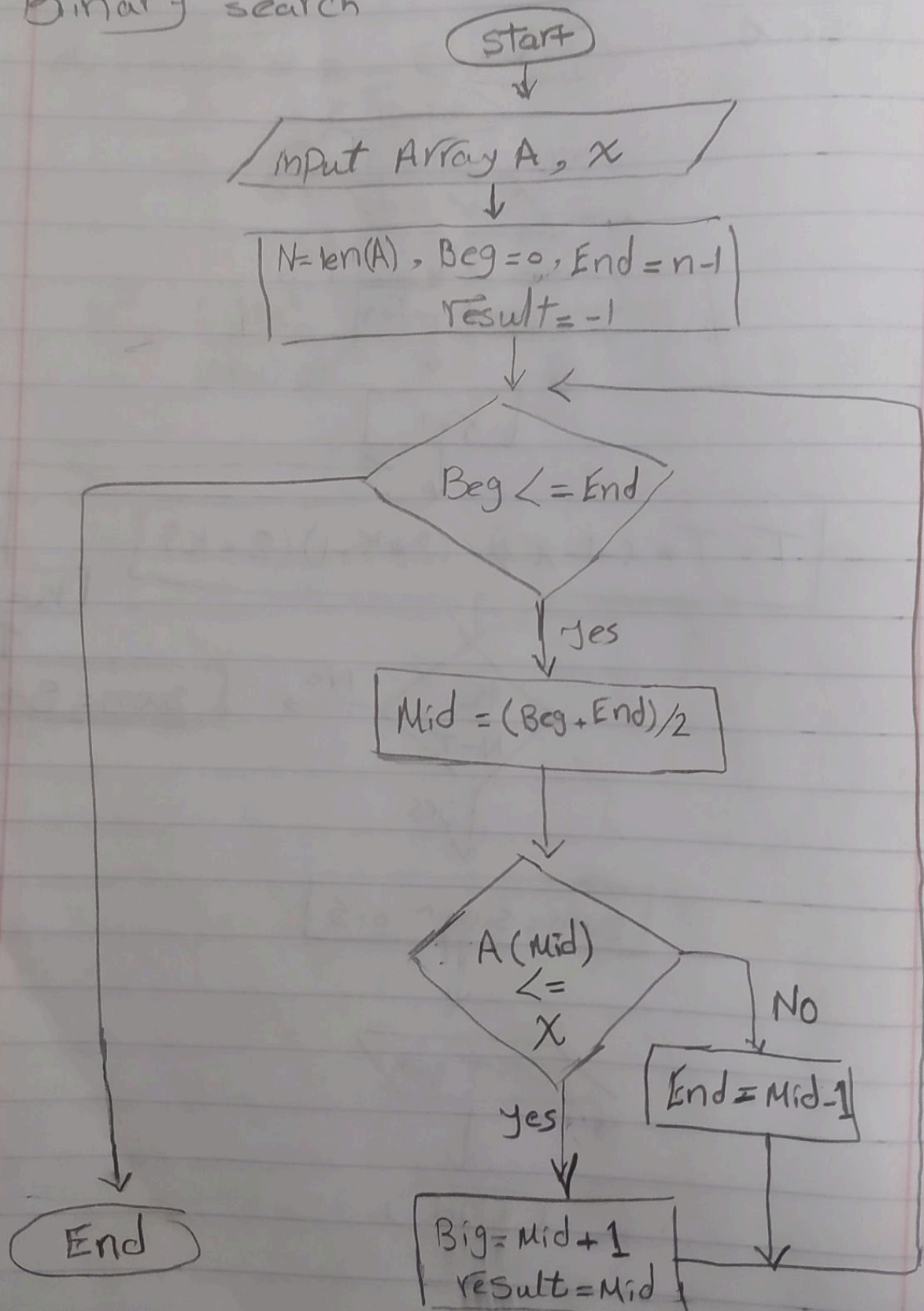


السؤال الثاني
sec 7

4- Binary search



$$5- \sqrt{\sin x} = x - \frac{x^3}{3!} + \frac{x^5}{5!} - \frac{x^7}{7!} + \dots$$

$$= \sum_{k=0}^{\infty} (-1)^k \frac{x^{2k+1}}{(2k+1)!}$$

$$T_n = \frac{(-1)^k x^{2k+1}}{(2k+1)!} \quad T_{old}$$



$\sqrt{\sin x}$

