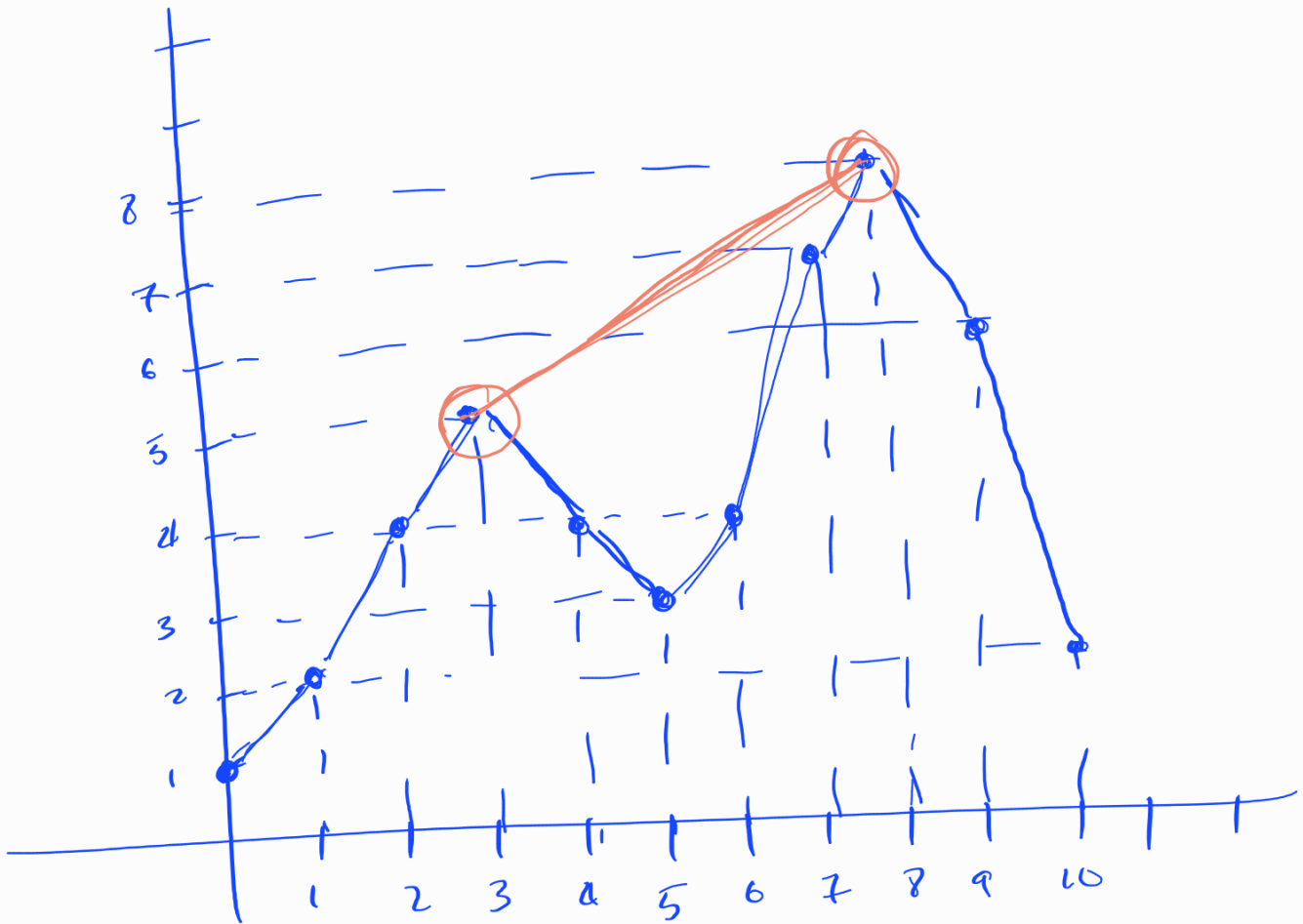


$A = [1, 2, 4, 5, 4, 3, 4, 7, 8, 6, 2]$
 0, 1, ...



logic to find the peaks.

$$\left\{ \begin{array}{l} A[3] > A[2] \\ A[3] > A[4] \end{array} \right\} \text{ Peak 1} = (3, 5)$$

$$\left\{ \begin{array}{l} A[8] > A[7] \\ A[8] > A[9] \end{array} \right\} \text{ Peak 2} = (8, 8)$$

$$d_2 = \sqrt{(3-8)^2 + (5-8)^2}$$

$$= 5.83$$

$$\boxed{A[i-1] < A[i] < A[i+1]}$$

