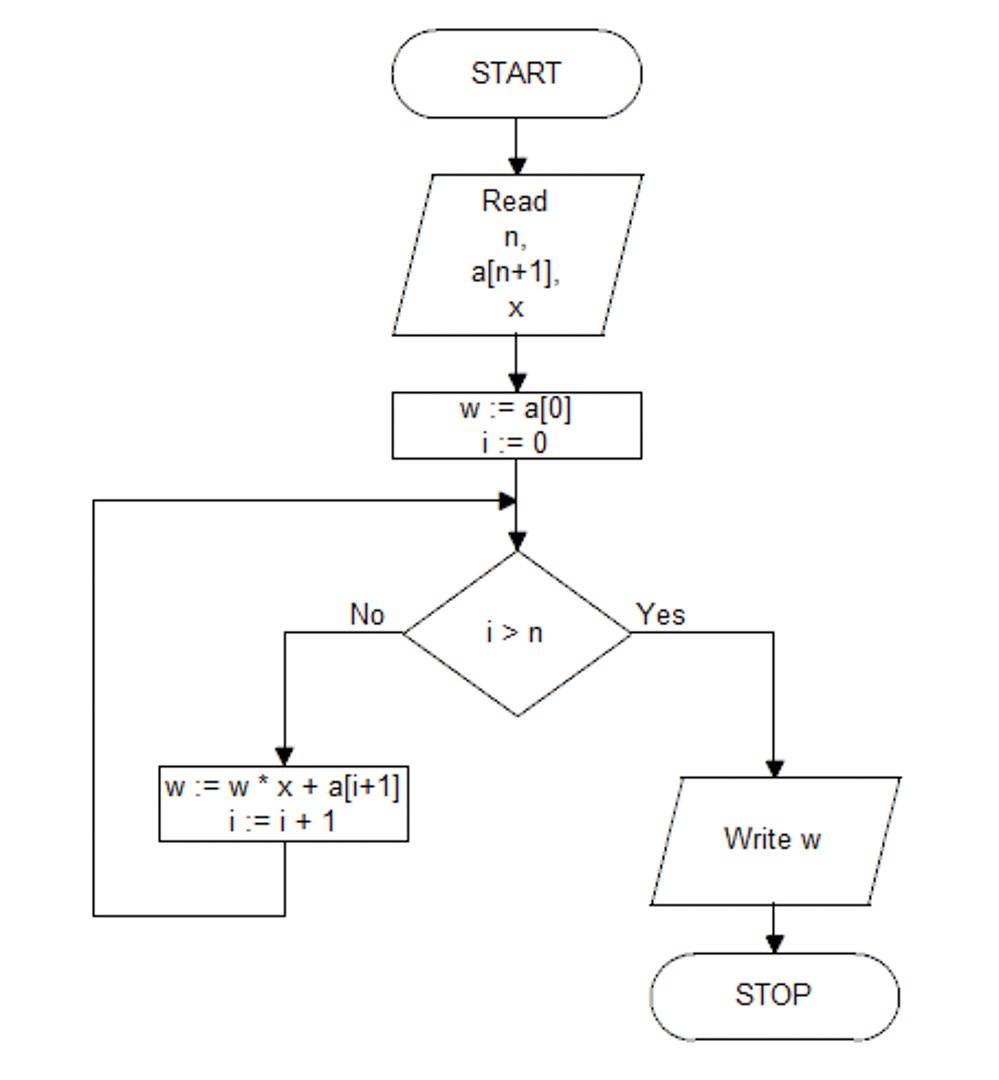
**Block diagram**

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**Pseudocode**

Start:

Read: n, a[n+1], x

w := a[0]

i := 0

for i > n do

w = w \* x + a[i + 1]

i++

Write w