```c
#include<stdio.h>

int main(){
    // prev = -1 indicates we have not seen any numbers till now
    int counter = 0, curr, prev = -1, currDiff = -1, prevDiff, maxCount = 0;
    scanf("%d", &curr);

    // While the list is still going on
    while (curr != -1){
        // Are we reading the first number?
        if (prev == -1){
            counter = 1; // A single number is trivially in AP
        }else{
            if(counter == 1){
                counter++; // Two numbers are also always in AP
            }else{
                if(currDiff == prevDiff){
                    counter++; // Nice! A longer AP
                }else{
                    counter = 2; // Well ... the last two numbers are in AP
                }
            }
        }

        // Have we found a longer chain in AP?
        if(counter > maxCount){
            maxCount = counter;
        }

        // Get ready to read the next number
        prev = curr;
        prevDiff = currDiff;
        scanf("%d", &curr);
        currDiff = curr - prev;
    }
    printf("%d",maxCount);

    return 0;
}
```