We are given ‘2’ arrays . Select some elements from both of these arrays (select a subset) such that:-

--->1. Sum of those elements is maximum(Sum of the subset is maximum).

--->2. No 2 elements in the subset should be consecutive.(Note:-If you select, say the 5th element from Array-1, then you are not allowed to select 4th element from either Array-1 or Array-2 nor are you allowed to select the 5th element from Array -2 all of them are considered consecutive :-) )

Step 1 : find the value of dp[0] , dp[1] and dp[2] by pure observation

Step 2 : for 3 index

* We can include then max(arr1[3] , arr2[3]) + dp[1]
* We can exclude dp[2]
* Get the max of it
* while(i≤n){
* dp[i]=max( max(a1[i],a2[i])+dp[i-2],dp[i-1]); i++;
* }