Problem Statement

Java

Given 2 arrays of numbers A1, A2 of size N, write a program to merge A1 and A2 such that every alternate element is from the same array.

Constraints :

$1 <= N <= 10^6$

$1 <= A1i <= 10^6$

$1 <= A2i <= 10^6$

$0 <= i <= (N-1)$

Input Format :

First line contains the comma separated elements of A1 and A2. '#' separates the 2 arrays.

Output Format :

[Merged Array]

Sample Input :

1,3,5#2,4,6

Sample Output :

[1,2,3,4,5,6]