class Main

{

static boolean checkDuplicatesWithinK(int arr[], int k)

{

// Creates an empty hashset

HashSet<Integer> set = new HashSet<>();

// Traverse the input array

for (int i=0; i<arr.length; i++)

{

// If already present n hash, then we found

// a duplicate within k distance

if (set.contains(arr[i]))

return true;

// Add this item to hashset

set.add(arr[i]);

// Remove the k+1 distant item

if (i >= k)

set.remove(arr[i-k]);

}

return false;

}

// Driver method to test above method

public static void main (String[] args)

{

int arr[] = {10, 5, 3, 4, 3, 5, 6};

if (checkDuplicatesWithinK(arr, 3))

System.out.println("Yes");

else

System.out.println("No");

}

}