**using** **namespace** std;

// Function that returns true if

// the array is mirror-inverse

**bool** isMirrorInverse(**int** arr[], **int** n)

{

**for** (**int** i = 0; i < n; i++)

    {

        // If condition fails for any element

**if** (arr[arr[i]] != i)

**return** **false**;

    }

    // Given array is mirror-inverse

**return** **true**;

}

// Driver code

**int** main()

{

**int** arr[] = { 1, 2, 3, 0 };

**int** n = **sizeof**(arr)/**sizeof**(arr[0]);

**if** (isMirrorInverse(arr,n))

            cout << "Yes";

**else**

            cout << "No";

**return** 0;

}