

```

using System.Collections.Generic;

//Minimum and maximum in a dataset

public static IList<long> maxMin(IList<string> operations, IList<int> x)
{
    IList<long> productArray = new List<long>();
    IList<long> a = new List<long>();
    int opsize = operations.Count;
    for (int y = 0; y < opsize; y++)
    {
        if (operations[y].Equals("push"))
        {
            a.Add((long)x[y]);
            a.Sort();
            productArray.Add(a[0] * a[a.Count - 1]);
        }
        else
        {
            a.Remove((long) * x[y]);
            a.Sort();
            productArray.Add(a[0] * a[a.Count - 1]);
        }
    }
    return productArray;
}

```