using System;

using System.Linq;

namespace KaminoFactory

{

class Program

{

static void Main(string[] args)

{

int sequenceLength = int.Parse(Console.ReadLine());

int[] DNA = new int[sequenceLength];

int lenght = 0;

int index = 0;

int row = 0;

int currRow = 0;

int sum = 0;

string input = Console.ReadLine();

while (input != "Clone them!")

{

int[] dnaSequence =

input.Split("!", StringSplitOptions.RemoveEmptyEntries)

.Select(int.Parse)

.ToArray();

currRow++;

int currSum = 0;

int currLength = 0;

int currIndex = 0;

int dnaLenght = dnaSequence.Length;

int counter = 0;

while (counter < dnaLenght)

{

if (dnaSequence[counter] == 1)

{

currSum++;

}

counter++;

}

counter = 0;

while (counter < dnaLenght)

{

if (dnaSequence[counter] == 1)

{

currLength++;

if (currLength == 1)

{

currIndex = counter;

}

if ((currLength > lenght) || (currLength == lenght && (index > currIndex || currSum > sum)))

{

sum = currSum;

lenght = currLength;

index = currIndex;

row = currRow;

DNA = dnaSequence;

}

}

else

{

currIndex = 0;

currLength = 0;

}

counter++;

}

input= Console.ReadLine();

}

if (row == 0)

{

row = 1;

}

Console.WriteLine($"Best DNA sample {row} with sum: {sum}.");

foreach (int values in DNA)

{

Console.Write($"{values} ");

}

}

}

}