Problem
Call You With Your Name 3
Time limit: 1 seconds

Little Cyan Fish likes string theory very much. Today, Little Cyan Fish invites you to continue studying human nicknames with him.

In Little Cyan Fish's universe, human nicknames can all be represented as a string containing only lowercase Latin letters (`a` to `z`). For example, "`qingyu`", "`xiuga`" are human nicknames, but "`Abacde`" is not a human nickname.

Little Cyan Fish considers a name s to be Lyndon if and only if for each proper suffix* t of s, the lexicographical order of s is strictly smaller than t. For example, "`abacde`" is a Lyndon string, but "`qingyu`" is not a Lyndon string (because the original string is not lexicographically smaller than the proper suffix `ingyu`).

After the previous studies, Little Cyan Fish finds that some human nicknames can be divided into several consecutive parts, where none of the parts is Lyndon, and the parts are sorted in non-decreasing lexicographical order.

Now, Little Cyan Fish gives you a human nickname s, you need to determine whether there exist integers k and $p_1, p_2, \ldots, p_k$ such that $1 \leq k \leq |s|$, $1 \leq p_1 < p_2 < \cdots < p_k = |s|$, and if we define $p_0 = 0$, then for each $1 \leq i \leq k$, the string $s[p_{i-1} + 1 \ldots p_i]$ is not Lyndon, and for each $2 \leq i \leq k$, the lexicographical order of $s[p_{i-2} + 1 \ldots p_{i-1}]$ is not larger than $s[p_{i-1} + 1 \ldots p_i]$.

Input

There are multiple test cases. The first line of the input contains a single integer T ($1 \leq T$), indicating the number of test cases.

For each test case, the input contains a single line with a string s ($1 \leq |s| \leq 2 \times 10^6$), indicating the human nickname.

It is guaranteed that the sum of $|s|$ over all test cases does not exceed 2×10^6.

Output

For each test case, if there do not exist such integers, output a single line containing "`No`".

Otherwise, output "`Yes`" in the first line. In the second line, output a single integer k ($1 \leq k \leq |s|$). In the third line, output k integers $p_1, p_2, \ldots, p_k$ ($1 \leq p_1 < p_2 < \cdots < p_k = |s|$), indicating your division of the nickname.

If there are multiple answers, you may output any of them.

Sample Input 1	Sample Output 1
2 aaa abcde	Yes 1 3 No

*A proper suffix is a non-empty suffix that is not equal to the original string. For example, "`qqoj`" has 3 proper suffixes, which are "`j`", "`oj`", and "`qoj`".

This page is intentionally left blank.