



- $1 \leq T \leq 1000$
- $2 \leq N \leq 400\,000$
- The sum of  $N$  across all test cases does not exceed 400 000.

## Example

standard input	standard output
2	Yesyes
6	Nonono
111	
101	
010	
111	
110	
111	
2	
111	
101	