

```
#include <stdio.h>
#include <math.h>

int main(){
    long N, sum = 0;
    int k, len, i;

    scanf("%ld %d", &N, &k);
    len = (int)log10(N) + 1;
    printf("%d\n", len);

    // Start from the left most digit and move rightward
    for(i = len - 1; i >= len - k; i--){
        sum += (int)(N/pow(10,i))%10;
    }

    if(sum > k * k)
        printf("YES");
    else
        printf("NO");
    return 0;
}
```