```c
#include <stdio.h>
#include <stdlib.h>

int main(){
    int N, k, is_prime, i;
    scanf("%d", &N);
    int rev = 0; // Reversed number
    int temp = N; // We will distort temp so dont use N
    while(temp){
        rev = rev * 10 + temp % 10;
        temp /= 10;
    }
    int diff = abs(N - rev);
    if (diff == 0)
        printf("0\n2"); // 2 is the smallest prime > 0
    else{
        for(k = diff + 1; ; k++){ // Dont know when we'll stop
            is_prime = 1; // Be optimistic that k is prime
            for(i = 2; i < k; i++)
                if (k % i == 0){
                    is_prime = 0;
                    break; // Break out of inner for loop
                }
            if(is_prime){
                printf("%d\n%d", diff, k);
                break; // Break out of outer for loop
            }
        }
    }
    return 0;
}
```