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

int cel(int num, int den) {
    return (num*den > 0) ? num / den : (num%den == 0) ? num / den :
num / den - 1;
}

int ost(int a, int b) {
    return a - b * (cel(a, b));
}

int main() {
    int x, c, n, k, f;
    scanf("%d", &x);
    x = abs(x);
    if (x >= 0 && x <= 10) {
        k = 1;
        printf("%d\n", k);
    }
    else {
        while (x > 10) {
            c = ost(x, 10);
            f = x / 10;
            n = ost(f, 10);
            x = x / 10;
            if (c == n) {
                k = 0;
                break;
            }
            else {
                k = 1;
            }
        }
        printf("%d\n", k);
    }
    return 0;
}

```