

There are two kids playing a game of frog jump. The first kid starts at position  $x_1$  and moves at a rate of  $v_1$  meters per jump. The second kid starts at location  $x_2$  and moves at a rate of  $v_2$  meters per jump.

Given the starting locations and movement rates for each kid, Determine if they'll ever land at the same location at the same time. Print YES or NO.