**Kangaroo Jump**

There are two kangaroos on an x-axis ready to jump in the positive direction. The first kangaroo starts at ‘x1’ and moves at the rate of ‘v1’ meters per jump. The second kangaroo starts at ‘x2’ and moves at ‘v2’ meters per jump. Given x1, x2 and v1, v2, determine if the two kangaroos will ever land at the same location at the same time.

**INPUT FORMAT**

A single line of 4 space separated integers representing ‘x1’, ‘v1’, ‘x2’, ‘v2’, respectively.

**OUTPUT FORMAT**

Print ‘YES’ if they do land at the same location at the same time. Else, print ‘NO’

Note : The two kangaroos must land at the same location after making the same number of jums.

**SAMPLE INPUT**

0 3 4 2

**SAMPLE OUTPUT**

YES

