#!/bin/python3

import math

import os

import random

import re

import sys

def kangaroo(x1, v1, x2, v2):

if x1 < x2 and v1 < v2:

return 'NO'

else:

if v1!=v2 and (x2-x1)%(v2-v1)==0:

return 'YES'

else:

return 'NO'

if \_\_name\_\_ == '\_\_main\_\_':

first\_multiple\_input = input().rstrip().split()

x1 = int(first\_multiple\_input[0])

v1 = int(first\_multiple\_input[1])

x2 = int(first\_multiple\_input[2])

v2 = int(first\_multiple\_input[3])

result = kangaroo(x1, v1, x2, v2)

print(result)