import java.util.Arrays;

import java.util.Scanner;

public class MoscowTrip {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int n = scanner.nextInt();

long m = scanner.nextLong();

long c = scanner.nextLong();

long[] x = new long[n];

long[] t = new long[n];

for (int i = 0; i < n; i++) {

x[i] = scanner.nextLong();

t[i] = scanner.nextLong();

}

double[] dp = new double[n + 1];

Arrays.fill(dp, Double.POSITIVE\_INFINITY);

dp[0] = 0;

long[] stations = new long[n + 1];

for (int i = 0; i < n; i++) {

stations[i] = x[i];

}

stations[n] = m;

for (int i = 0; i <= n; i++) {

for (int j = 0; j < i; j++) {

double dist = stations[i] - stations[j];

if (dist == 0) continue;

double speed = Math.sqrt(c / dist);

double time = dist / speed + t[i]; //Added refueling time at station i

dp[i] = Math.min(dp[i], dp[j] + time);

}

}

System.out.printf("%.10f\n", dp[n]);

scanner.close();

}

}