F Larry's Race

TJ IOI Inc. has chosen Larry as their corporate representative at the local track and field competition! However, the competition has a very peculiar set of rules: if Larry would like to advertise TJ IOI Inc., he must compete in the race! To get Larry in shape, Devon has built a robot to chase Larry, traveling 100 meters in T seconds ($1 \le T \le 100,000$).

There are N inputs to this problem $(1 \le N \le 100,000)$. Each consists of a distance A_i that Larry runs, where A_i is a multiple of $100 \ (100 \le A_i \le 100,000)$, and the time B_i it took for him to run that distance $(1 \le B_i \le 100,000)$, determine whether Larry could outrun Devon's robot.

Note: if Devon's robot catches Larry exactly at the finish line, Larry did not outrun it.

SHORT NAME: race

INPUT FORMAT:

The first line consists of two integers, N and T. The next N lines each contain an integer A_i representing a distance in meters (A_i is a multiple of 100), and a time B_i representing the time it took Larry to run that distance in seconds.

OUTPUT FORMAT:

For each input, if Larry outran Devon's robot, output "SPEEDRACER" (without quotes). Otherwise, output "POTATO" (without quotes).

SAMPLE INPUT:

SAMPLE OUTPUT:

POTATO SPEEDRACER POTATO