#include <iostream>

using namespace std;

int main() {

int N;

cin >> N;

if(N==0 || N==1 || N==-1){

switch (N) {

case 0 :

cout << "South";

break;

case 1 :

cout << "East";

break;

case -1 :

cout << "West";

}

}

else { cout << "Mistake";}

}