Cigarettes

Time limit: 2 sec.
Memory limit: 512MB

Description

Junhee likes cigarettes.

Like. He REALLY likes cigarettes.

But one day, he ran out of cigarettes, so he got in his car to buy some. Junhee's city has n buildings, but only one of them has a cigarette store. There are m roads that interconnect two buildings, but not all buildings are connected with roads. If the buildings are not connected by roads, Junhee must get out of his car and walk. Junhee does not want to do that, since he runs out of breath very easily.

Help Junhee find out if he can get to the cigarette store by car.

Input

The first line contains two integers, n, the number of buildings and m, the number of roads. The buildings are numbered from 1 to n. ($2 \leq n \leq 100000$, $1 \leq m \leq 200000$)

The next line contains two integers, s, the building number of Junhee's home, and e, the building number of the cigarette store.

($1 \leq s, e \leq n, s \neq e$)

The next m lines each contain two integers, x and y. This denotes that there exists a road that connects building x and building y. (This road goes both ways!) ($1 \leq x, y \leq n, x \neq y$)

Output

If Junhee can get to the cigarette store by car, print "Sweet" without quotes. If he can't, print "Smoking kills" without quotes.

Sample I/O

Input(s)	Output(s)
3 2 1 3 2 1 3 2	Sweet
3 1 1 3 1 2	Smoking kills