TP\_CSF\_Decisions\_StringSwitch

Reads a string. If it is a capital form of a name of a direction of the world, the program writes out its short form. If not, it writes out “---“.

Input

There is a single string *s* on the first line.

Output

There is a single line which contains “N” if *s = “NORTH”*, “S” if *s = “SOUTH”*, “E” if *s = “EAST”*, “W” if *s = “WEST”* and “---” otherwise.

Examples

|  |  |
| --- | --- |
| Input | Output |
| NORTH | N |
| SOUTH | S |
| WEST | W |
| EAST | E |
| north | --- |
| pfeowfw | --- |