Problem A- Blocks Get

The BLock Organizer and Collector (BLOC) is a robot designed to collect blocks as quickly as possible. To this end, an indescribable love of blocks has been hardcoded into it.

Of course, the continued success of the Automated Block Collection (ABC) Project depends on further DARPA funding. The grant reviewers at DARPA have constructed a series of tests for BLOC, and are interested in knowing how quickly it will complete them.

Each test case consists of an $M \times N$ room. Each cell in the room is one of:

- . - Empty space

- B - Block

- S - Starting location

There will be exactly one starting location. BLOC can move North, East, South or West by one cell in one second. BLOC can carry at most one block at any time. If BLOC is not carrying a block and enters a cell with a block, BLOC can choose to pick it up instantly. If BLOC is carrying a block, it cannot enter a cell with a block. When BLOC is holding a block and enters the cell containing the starting location, the block is instantly transported to the ABC Project Block Storage Facility, and BLOC will be free to collect another block.

Input Specification:

The first line of input is an integer T ($1 \leq T \leq 100$). T test cases follow. Each test case begins with a line containing two integers, M and N, the dimensions of the room ($1 \leq M, N \leq 500$). Next come M lines of N characters representing the room layout, as described above.

Output Specification:

For each case, print a single line, "X seconds to blocks get!", where X is the minimum number of seconds it will take BLOC to collect all the blocks.

Sample Input:

```
1
3 3
BBB
.S.
B.B
```

Sample Output:

```
18 seconds to blocks get!
```