

## Problem – 01

### Code:-

```
#include <iostream>

#include <vector>

using namespace std;

const long long MOD = 1e9 + 7;

int main() {
    ios_base::sync_with_stdio(false);
    cin.tie(NULL);
    cout.tie(NULL);

    long long n;
    cin >> n;

    vector<vector<long long>> dp(n + 1, vector<long long>(n + 1, 0));
    dp[0][0] = 1;

    for (long long i = 0; i < n; i++) {
        string s;
        cin >> s;

        for (long long j = 0; j < n; j++) {
```

```

    if (s[j] != '*') {
        if (i > 0) {
            dp[i][j] = (dp[i][j] + dp[i - 1][j]) % MOD;
        }
        if (j > 0) {
            dp[i][j] = (dp[i][j] + dp[i][j - 1]) % MOD;
        }
    } else {
        dp[i][j] = 0;
    }
}

cout << (n > 0 ? (dp[n - 1][n - 1] % MOD) : -1);

return 0;
}

```