

First Edition

Introduction of Algorithms For Beginners

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```
struct node {
    string current;
    int steps;
};

vector<string> v;
int dx[] = {0, 1, -1, 1, 1, -1, 1, -1};

bool isValid(string s) {
    for (int i = 0; i < s.size(); i++) {
        if (s[i] == '0') return false;
    }
    return true;
}

void bfs() {
    queue<string> q;
    unordered_map<string, int> m;
    q.push("original");
    m["original"] = 0;

    while (!q.empty()) {
        string front = q.front();
        int dx = m[front];
```

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