

Watto and the Mechanism:

- Q Watto is having a machine, n strings are stored in machine
- now m queries are given to machine, in every query a String S is given
- Check that is there any string t which exist in memory, as same length of S & only 1 character different from same
not > 2 difference Δ not even 0 differ

Pseudocode:

input n, m

(in $>> n, m;$)

~~unordered~~ ordered ~~unordered~~ set<string> dict;

for (int i=0 to n)

{

String s;

(in $>> s;$)

dict.insert(s);

}

while ($m ->$) {

String query;

(in $>> query;$)

bool found = false;

```
for (int i=0; i<query.length(); i++) {
```

```
    char original = query[i];
```

```
    for (char c : {'a', 'b', 'c'}) {
```

```
        if (c == original) continue;
```

```
        query[i] = c;
```

```
        if (dict.count(query)) {
```

```
            found = true;
```

```
            break;
```

```
}
```

```
    query[i] = original;
```

```
    if (found) break;
```

```
}
```

```
if (found) cout << "YES\n";
```

```
else cout << "NO\n";
```

```
}
```

```
return 0;
```

```
}
```