

# Gibbs Example

```
gibbs(["thequickdog", "browndog", "dogwood"], k=3)
```

```
1: [8, 1, 2] ['dog', 'row', 'gwo']
```

```
2: [8, 5, 0] ['dog', 'dog', 'dog']
```

```
F: [8, 5, 0] ['dog', 'dog', 'dog']
```

← random starting  
positions

Small bias toward “o” in  
the middle is correct.

```
gibbs(["thequickdog", "browndog", "dogwood"], k=3)
```

```
1: [4, 3, 1] ['uic', 'wnd', 'ogw']
```

```
2: [6, 2, 4] ['ckd', 'own', 'ood']
```

```
3: [8, 5, 0] ['dog', 'dog', 'dog']
```

```
F: [8, 5, 0] ['dog', 'dog', 'dog']
```

```
gibbs(["thequickdog", "browndog", "dogwood"], k=3)
```

```
1: [2, 0, 1] ['equ', 'bro', 'ogw']
```

```
2: [7, 4, 2] ['kdo', 'ndo', 'gwo']
```

```
F: [7, 4, 2] ['kdo', 'ndo', 'gwo']
```

← Might not find  
the optimal.