

```
def intersection(s, t):
```

$O(\min(|s|, |t|))$

```
    new_set = set()
```

```
    if len(s) > len(t):
```

```
        shortest_set = t
```

```
        largest_set = s
```

```
    else:
```

```
        shortest_set = s
```

```
        largest_set = t
```

```
    for key in shortest_set:
```

```
        if key in largest_set:
```

```
            new_set.add(key)
```

```
    return new_set
```

```
def difference(s, t)
```

$O(|s|)$

```
    new_set = set()
```

```
    for key not in t:
```

```
        new_set.add(key)
```

```
    return new_set
```