

Analyzed file: p1

```
(function, 0)
(id, 1)
((, 0)
(int, 0)
(id, 2)
(), 0)
(:, 0)
(check, 0)
(id, 2)
(==, 0)
(const, 1)
(:, 0)
(return, 0)
(const, 2)
(;, 0)
(check, 0)
(id, 2)
(==, 0)
(const, 3)
(:, 0)
(return, 0)
(const, 2)
(;, 0)
(go, 0)
(from, 0)
(int, 0)
(id, 3)
(=, 0)
(const, 4)
(to, 0)
(id, 2)
(/, 0)
(const, 4)
(:, 0)
(check, 0)
(id, 2)
(/, 0)
(id, 3)
(==, 0)
(const, 1)
(:, 0)
(return, 0)
(const, 2)
```

Analyzed file: p2

```
(function, 0)
(id, 1)
((, 0)
```

```
(int, 0)
(id, 2)
(, 0)
(int, 0)
(id, 3)
(), 0)
(:, 0)
(int, 0)
(id, 3)
(=, 0)
(const, 1)
(;; 0)
(int, 0)
(id, 1)
(=, 0)
(const, 1)
(;; 0)
(check, 0)
(id, 2)
(>, 0)
(id, 3)
(:, 0)
(id, 4)
(=, 0)
(id, 3)
(;; 0)
(otherwise, 0)
(:, 0)
(id, 4)
(=, 0)
(id, 2)
(;; 0)
(go, 0)
(from, 0)
(int, 0)
(id, 4)
(=, 0)
(const, 2)
(to, 0)
(id, 4)
(:, 0)
(check, 0)
(id, 2)
(%, 0)
(id, 4)
(==, 0)
(const, 1)
(and, 0)
(id, 3)
```

```
(%, 0)
(id, 4)
(==, 0)
(const, 1)
(:, 0)
(id, 1)
(=, 0)
(id, 4)
(;, 0)
(return, 0)
(id, 1)
```

Analyzed file: p3

```
(function, 0)
(id, 1)
((, 0)
(list, 0)
([, 0)
(int, 0)
[], 0)
(id, 2)
(), 0)
(:, 0)
(int, 0)
(id, 3)
(=, 0)
(const, 1)
(;, 0)
(go, 0)
(from, 0)
(int, 0)
(id, 4)
(=, 0)
(const, 1)
(to, 0)
(length, 0)
((, 0)
(id, 2)
(), 0)
(:, 0)
(id, 3)
(=, 0)
(id, 3)
(+, 0)
(id, 2)
([, 0)
(id, 4)
[], 0)
(;, 0)
```

```
(return, 0)  
(id, 3)
```