

::/2

Description

```
Object::Predicate
(Object1, Object2, ...)::Predicate
(Object1; Object2; ...)::Predicate
Object::(Predicate1, Predicate2, ...)
Object::(Predicate1; Predicate2; ...)
```

Sends a message to an object. The message argument must match a public predicate of the receiver object. We can also send the same message to a set of objects or a set of messages to the same object. The "," and ";" in the list have the usual Prolog meaning.

Template and modes

```
+receivers::+messages
```

Errors

Either Object or Predicate is a variable:

```
instantiation_error
```

Predicate is declared private:

```
permission_error(access, private_predicate, Predicate)
```

Predicate is declared protected:

```
permission_error(access, protected_predicate, Predicate)
```

Predicate is not declared:

```
existence_error(predicate_declaration, Predicate)
```

Object does not exist:

```
existence_error(object, Object)
```

Examples

```
| ?- list::member(X, [1, 2, 3]).
X = 1 ;
X = 2 ;
X = 3
yes
```