Solution 2: Give me your feature name and I’ll call you

ETH Zurich

1 Adding more feature calls

Solution

Listing 1: More feature calls

Paris. display
Louvre. spotlight
Line8. highlight
Route1.animate
Console.show(Route1.origin)
wait
Louvre. unspotlight
wait
Line8. unhighlight
wait
Console.show(Line2.out)
wait
Line2. highlight
wait
Line2.south_end. highlight
wait
Line2.north_end. highlight

2 Command or Query?

Solution

1. is_exchange is a query.
2. set_location is a command.
3. outgoing_line_connections is a query.
4. name is a query.
5. highlight is a command.
6. has_stop is a query.

3 Valid feature call instructions

Solution

1. This is invalid code: The command show can only be followed by arguments, it is not possible to call another feature on a command.
2. This is valid code: The target is \textit{Station\_balard} and the argument is a valid expression.

3. This is invalid code: The argument \textit{Line8\_highlight} contains a command and thus is invalid.

4. This is valid code: The target is \textit{Line2\_color} and the argument is a valid expression.

5. This is valid code: The target is \textit{Console} and the argument is a valid expression made out of queries only.

6. This is valid code: The target is \textit{Console} and the argument is composed only of queries (with nested arguments).

7. This is invalid code: The argument contains the command \textit{set\_location}.