Patterns Overview

Observer

PUBLISHER *

attach
detach

subscribed: LIST [...]

SUBSCRIBER *

update*

subscribe[+]
unsubscribe[+]

PUB_3

PUB_2

PUB_1 +

SUB_4

SUB_1 +

SUB_3

SUB_2

update[+]
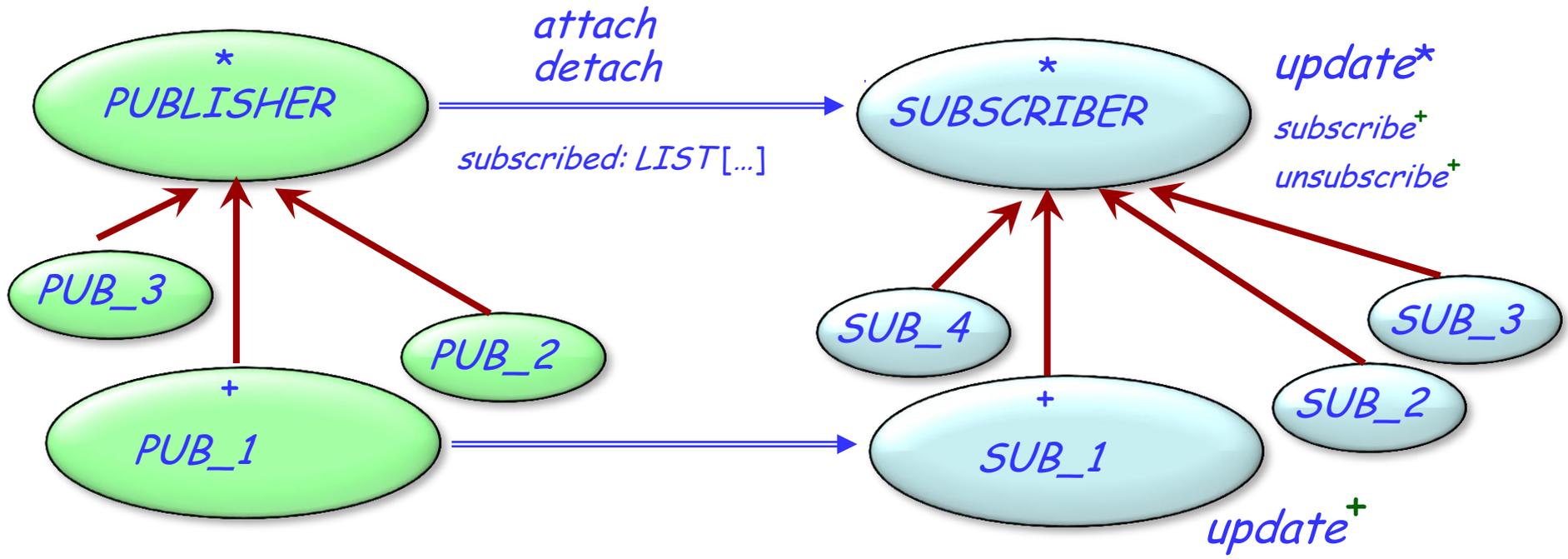
*   Deferred (abstract)

\+   Effective (implemented)

Inherits from

Client (uses)

Command

execute*

undo*

COMMAND *

DELETION +

execute+
undo+
line
index

...

INSERTION +

execute+
undo+
index

...

...

Visitor

accept*

v . T_visit (**Current**)

*
VEHICLE

visit_bus*
visit_tram*

*
VISITOR

+
TAXI

+
BUS

accept+

accept+

+
MAINTENANCE
_VISITOR

+
SCHEDULE
_VISITOR

visit_taxi +
visit_bus +

visit_taxi +
visit_bus +
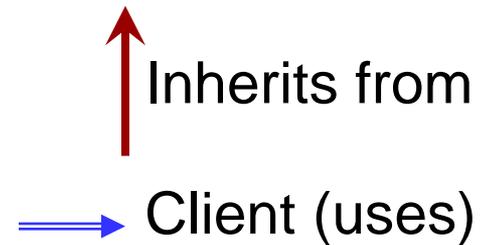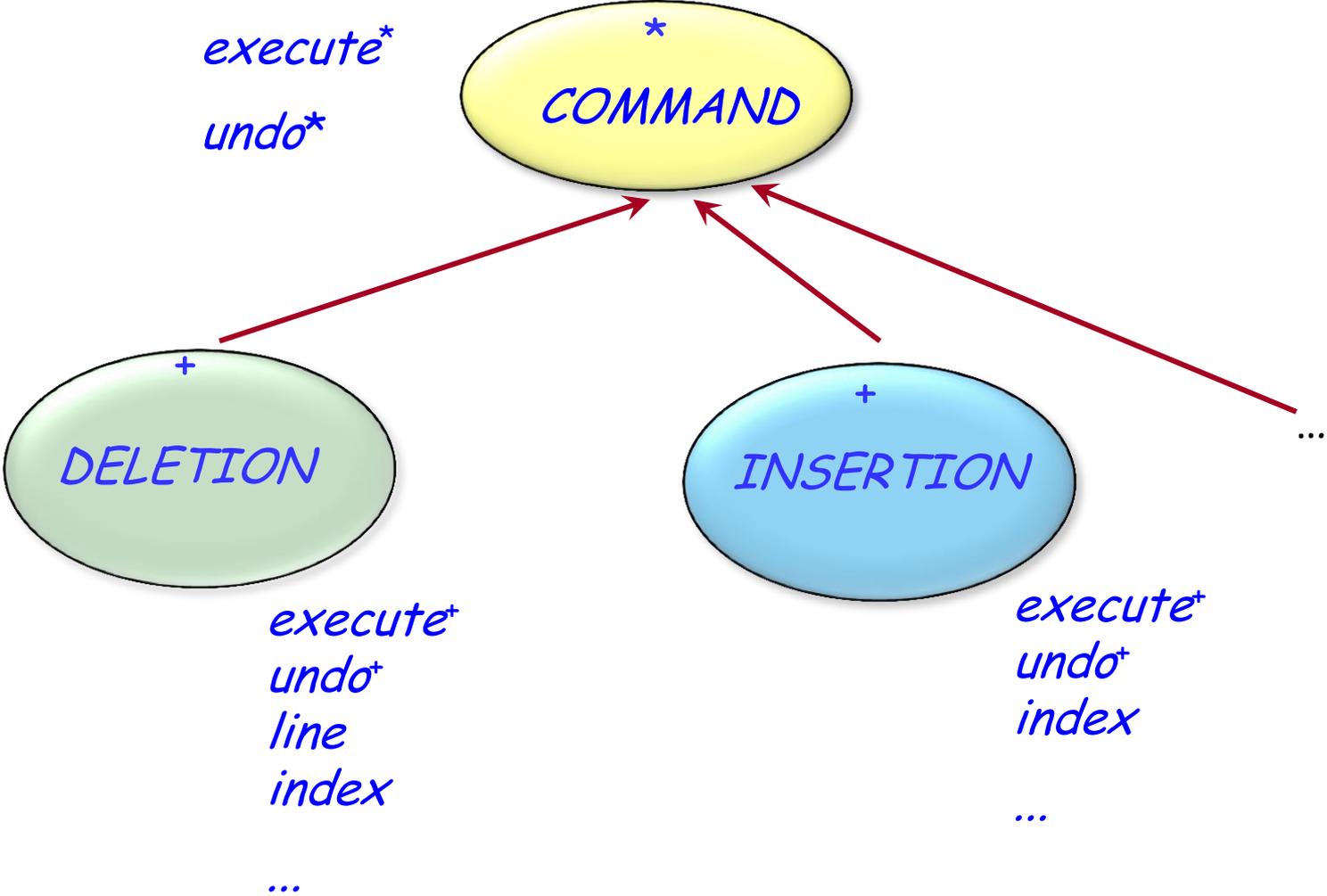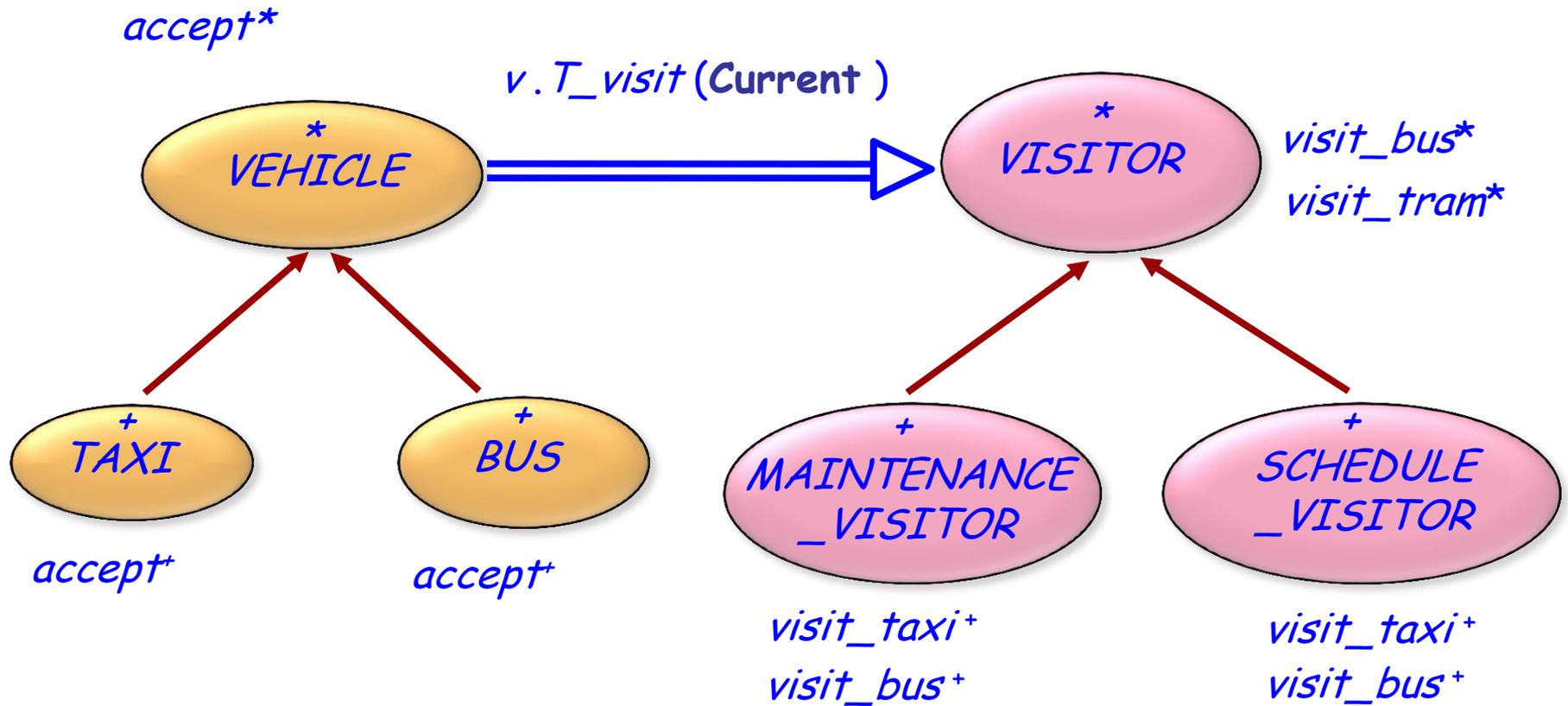
Strategy
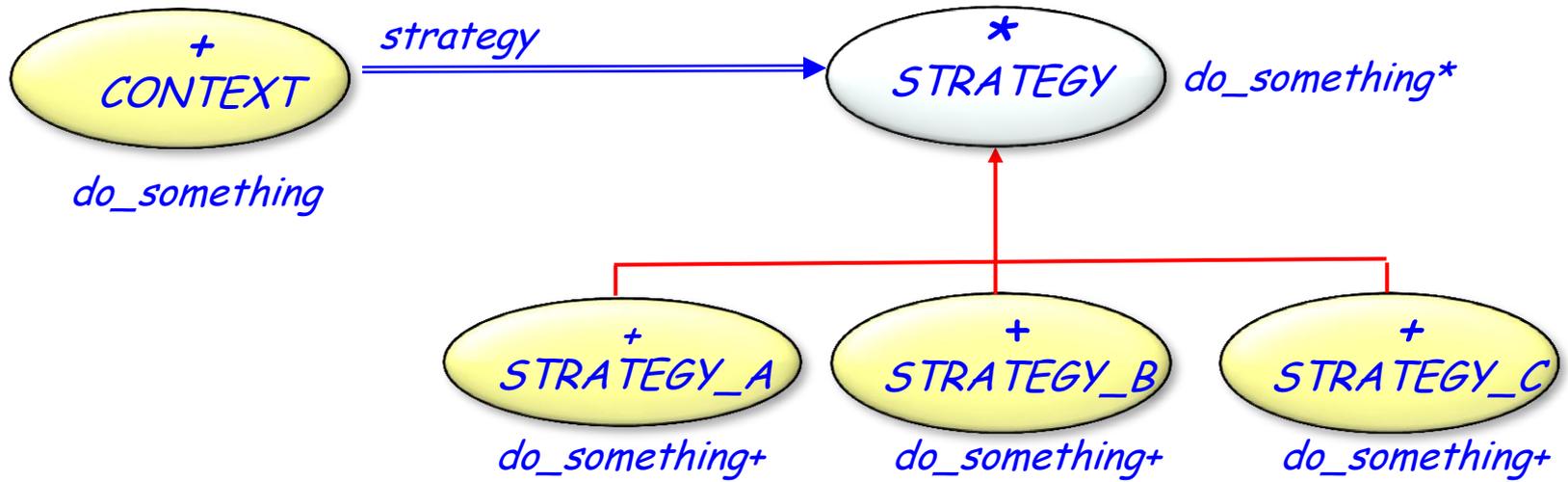
Chain of responsibility
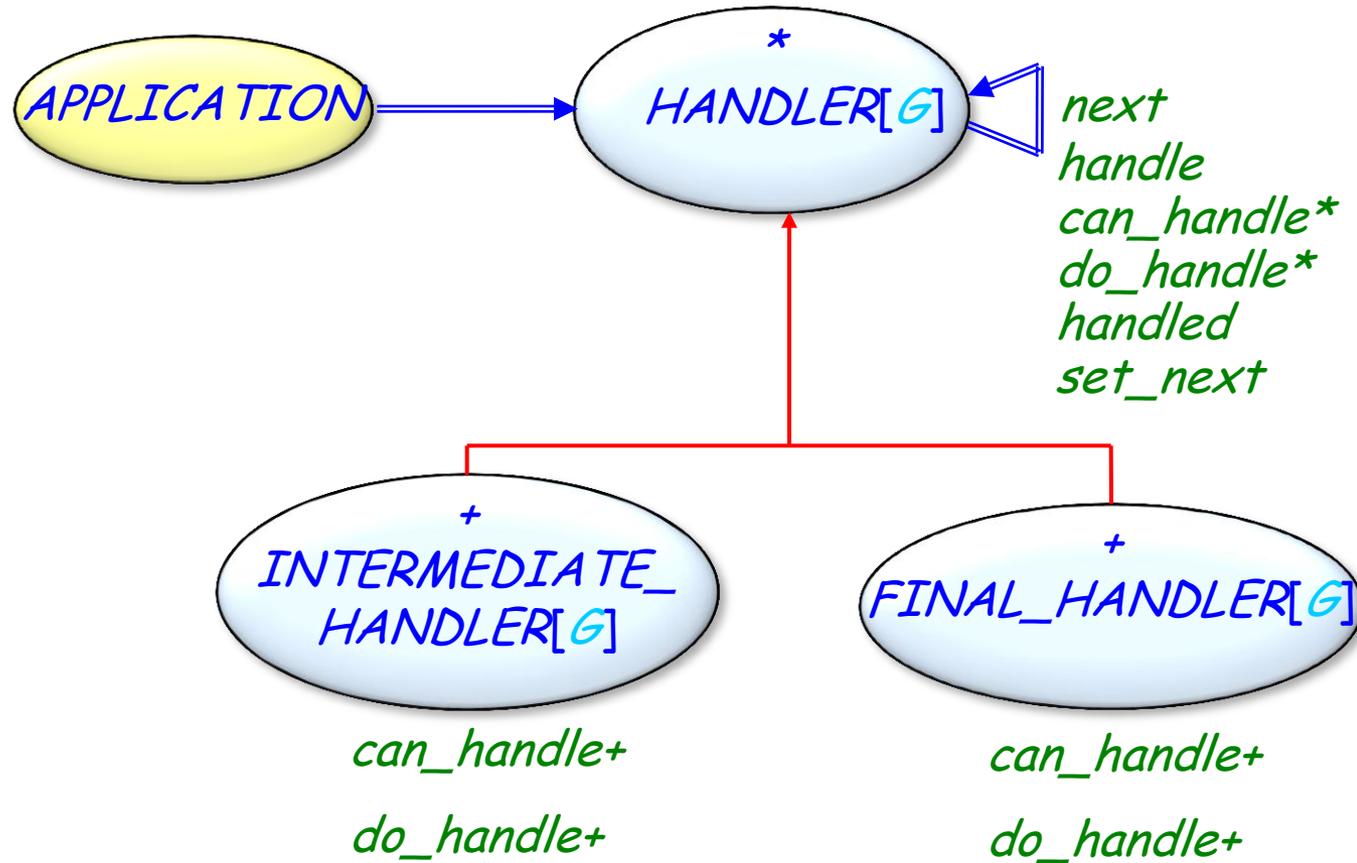
State
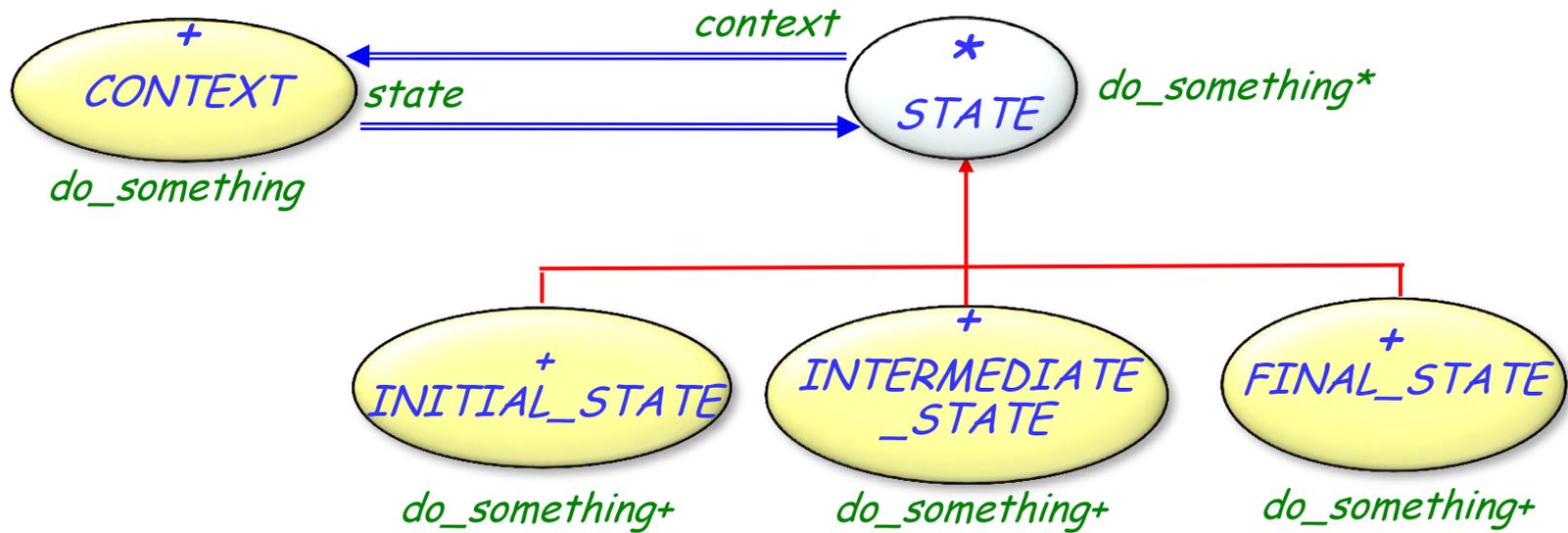
Factory Method
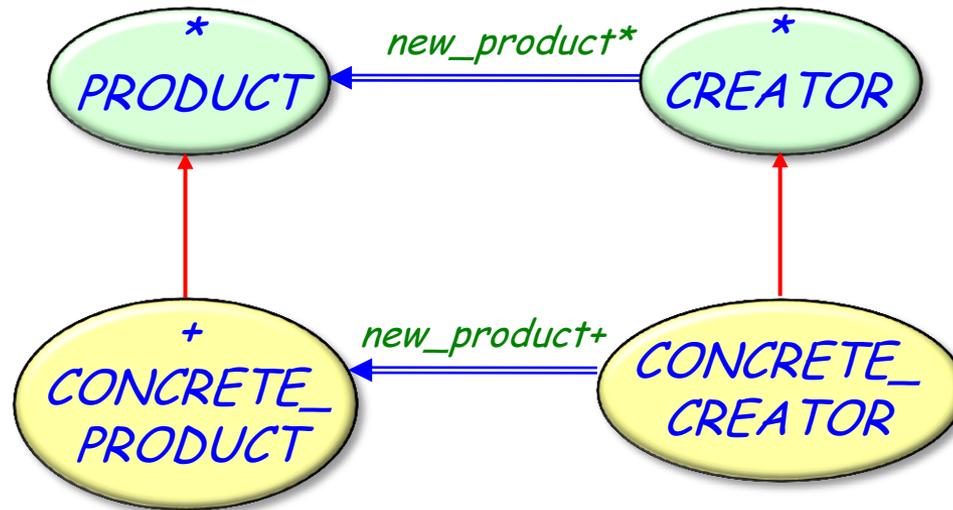
Abstract Factory

Builder

CLIENT —my_builder→ *BUILDER

build

build*

last_product*

+MY_BUILDER —last_product+→ MY_PRODUCT —part_a→ PART_A

—part_b→ PART_B

build+
build_product
build_part_a
build_part_b

set_part_a
set_part_b

Singleton

Bridge

perform

perform*

*

APPLICATION

impl

IMPLEMENTATION

*

+
APP1

+
APP2

+
**APP
_IMP1**

+
**APP
_IMP2**

perform+

perform+
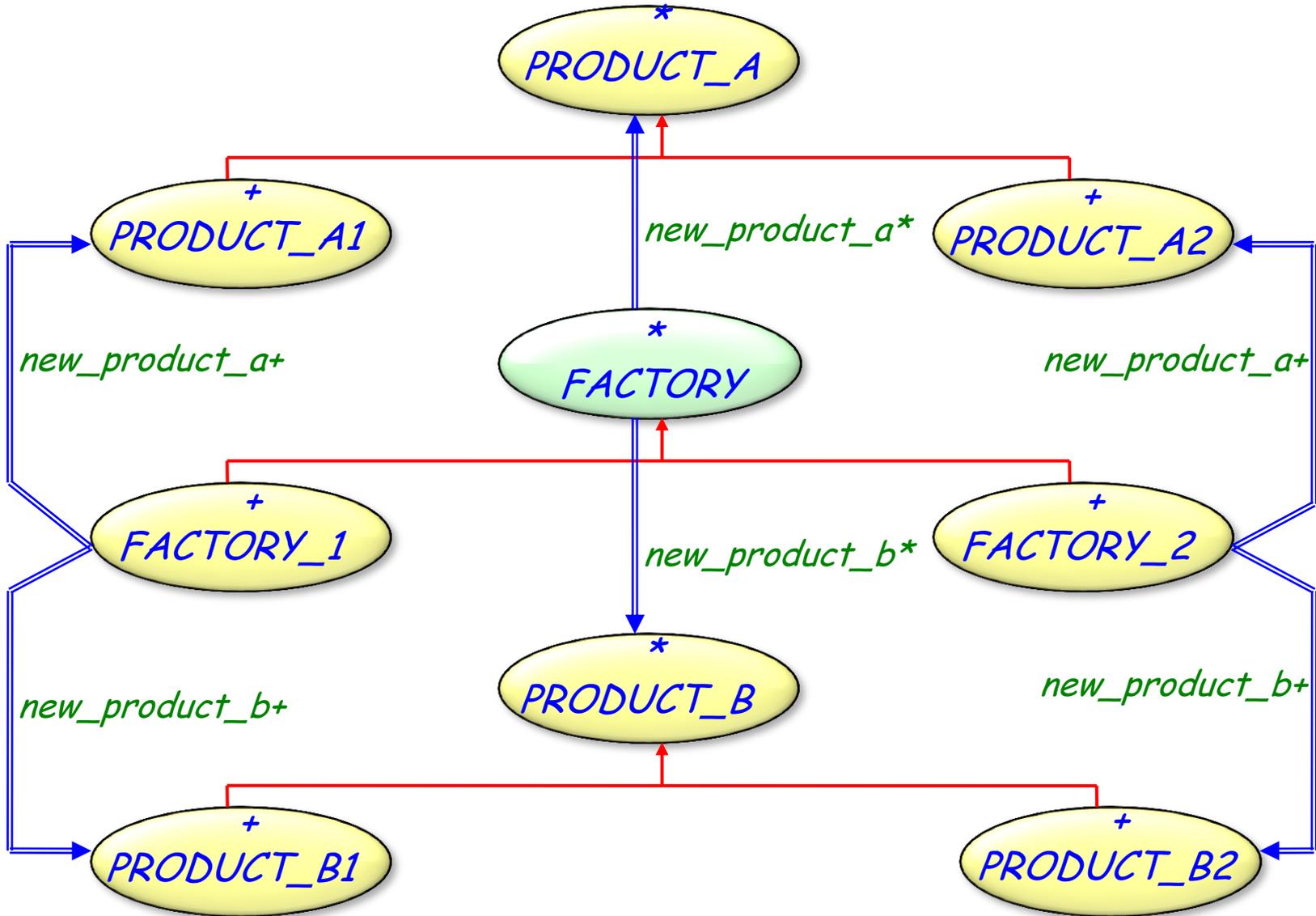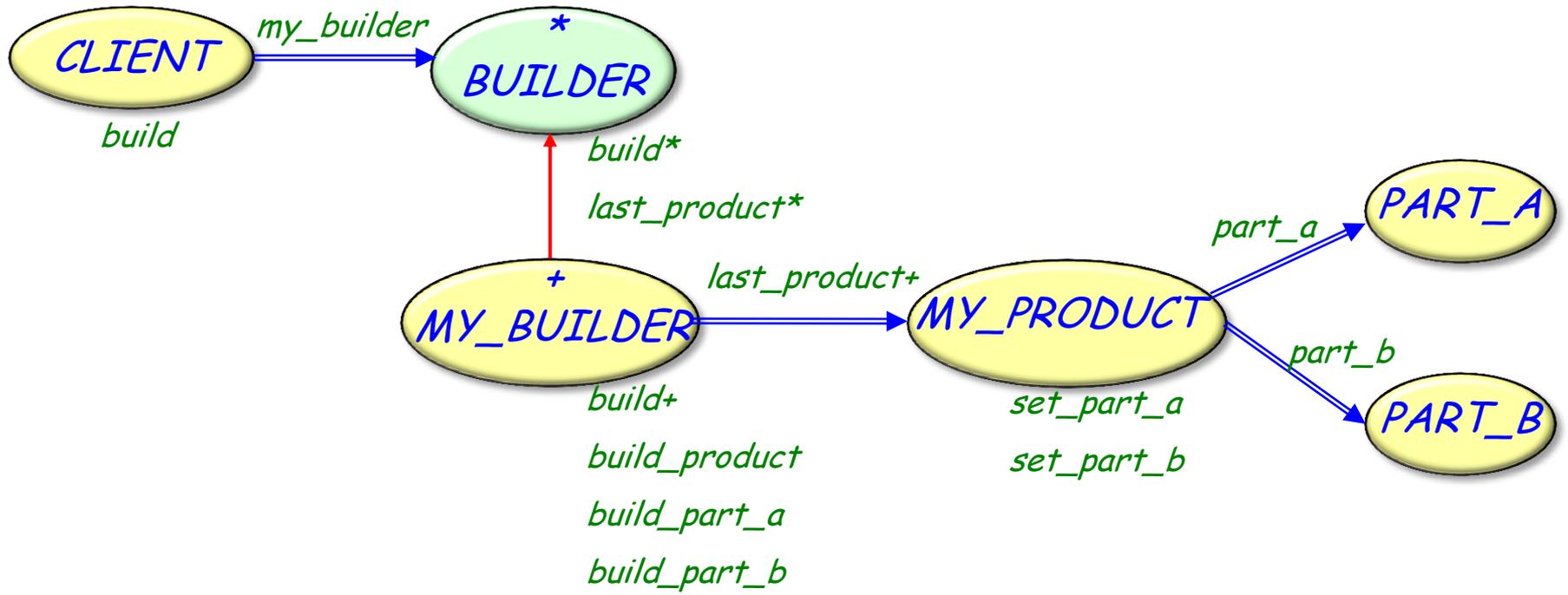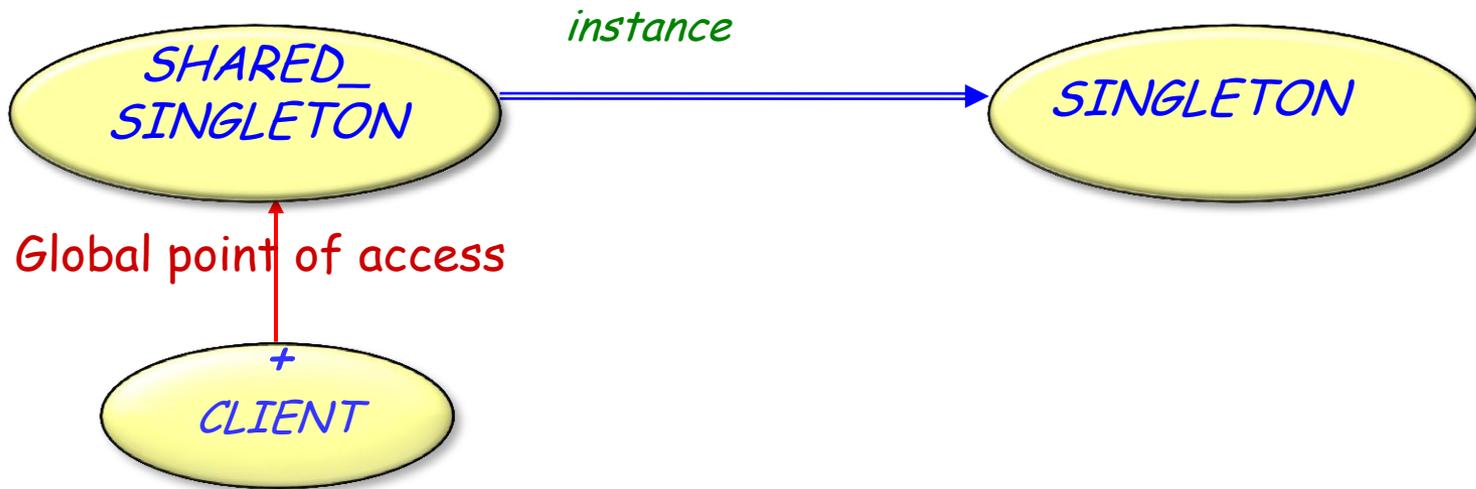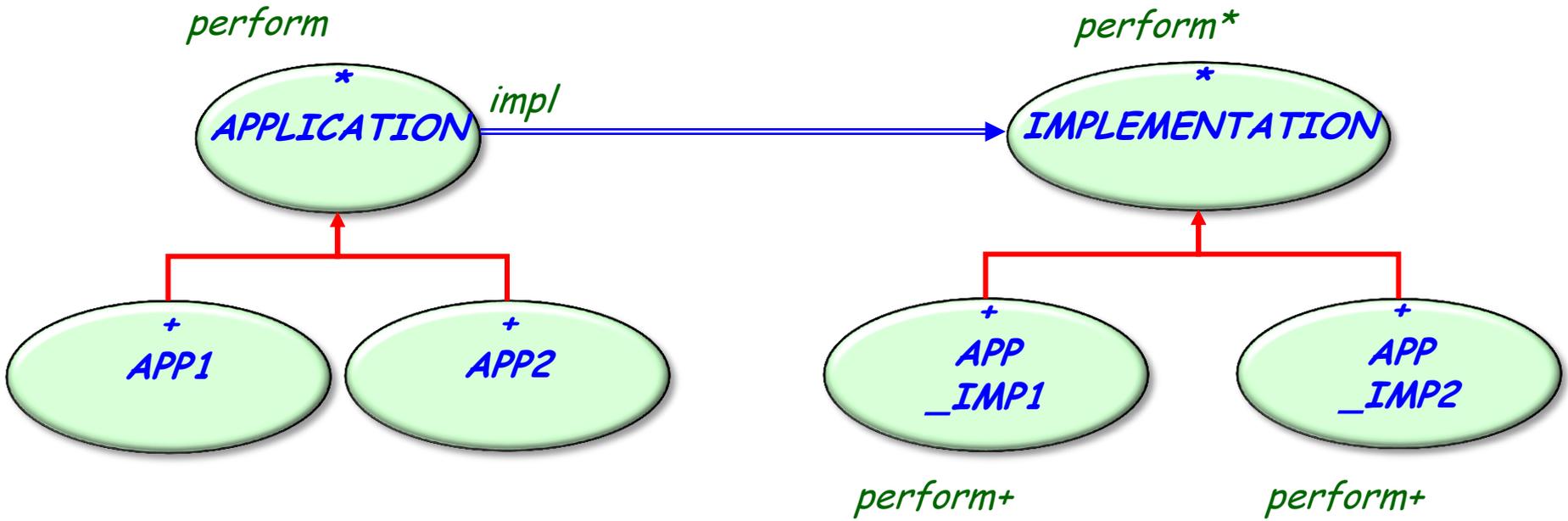
Composite

Transparency version
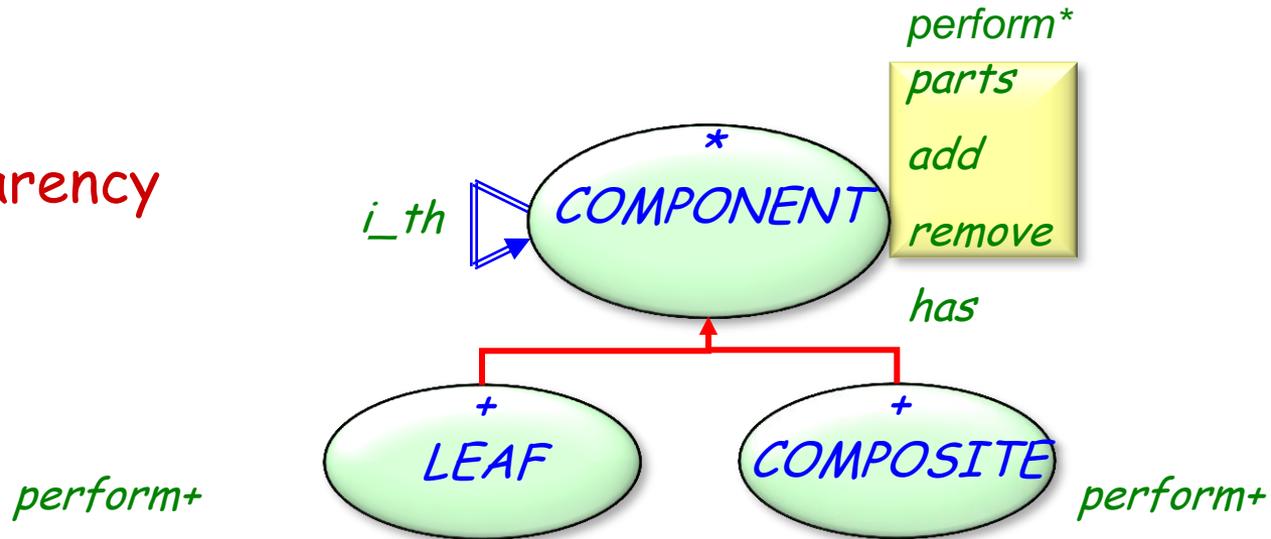
Safety version

Decorator

Façade

internal

Flyweight