Inputs:

reference, target code
adapter family F_A
default adapter
empty test list

The target code is
substitutable with the
current adapter

CheckAdapter

Q: Is there an input on which the
reference and target code outputs
differ with the current adapter?

A: No

A: Yes, A is a
suitable adapter
(set the current
adapter to A)

A: Yes, x_1, ..., x_n is
a counterexample
(add x_1, ..., x_n to
the test list)

SynthesizeAdapter

Q: Is there an adapter such that the
output of the reference and target
code is the same on all current tests?

A: No

The target code is not
substitutable with any
adapter in F_A