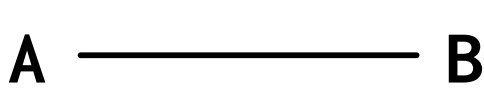
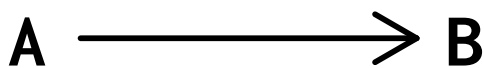


10 Types of Unified Modeling Language or UML Arrows



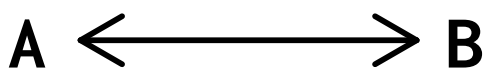
Association

A and B are associated in some way



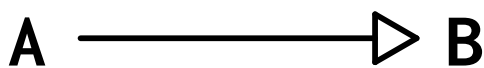
Directional Association

A has access to B but not vice versa



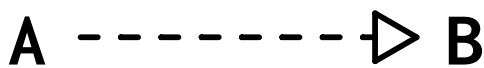
Bidirectional Association

A and B have access to each other



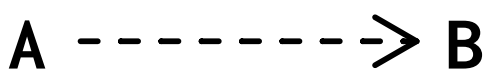
Inheritance

A inherits from B, A "is-a" B



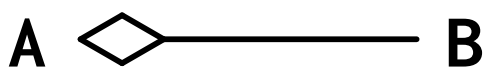
Realization

A implements the interface B



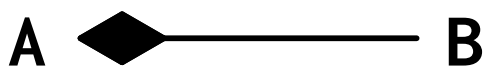
Dependency

A depends on B, B is a dependency of A



Aggregation

A "has-a" B which can exist without A



Composition

A "has-a" B which cannot exist without A



Containment

A is contained within B



Multiplicity

each A has 1 or more B's,
and each B has exactly 3 A's