Method Name: Attack Class Name: Actor ID: 1

Associated Use Cases: Attack Entity

Description of Responsibilities: An actor who attacks another target actor reduces the target health by the attacker's power minus the defender's defense.

Arguments Received: target: Actor

Type of Value Returned: None

Pre-Conditions:

Target must not be null.

Target's HP must be positive.

Post-Conditions:

Target's HP must decrease by attacker's power minus target's defense.

Invariants:

Attacker's power must not be negative.

Target's defense must not be negative.