The Byzantine Generals Problem
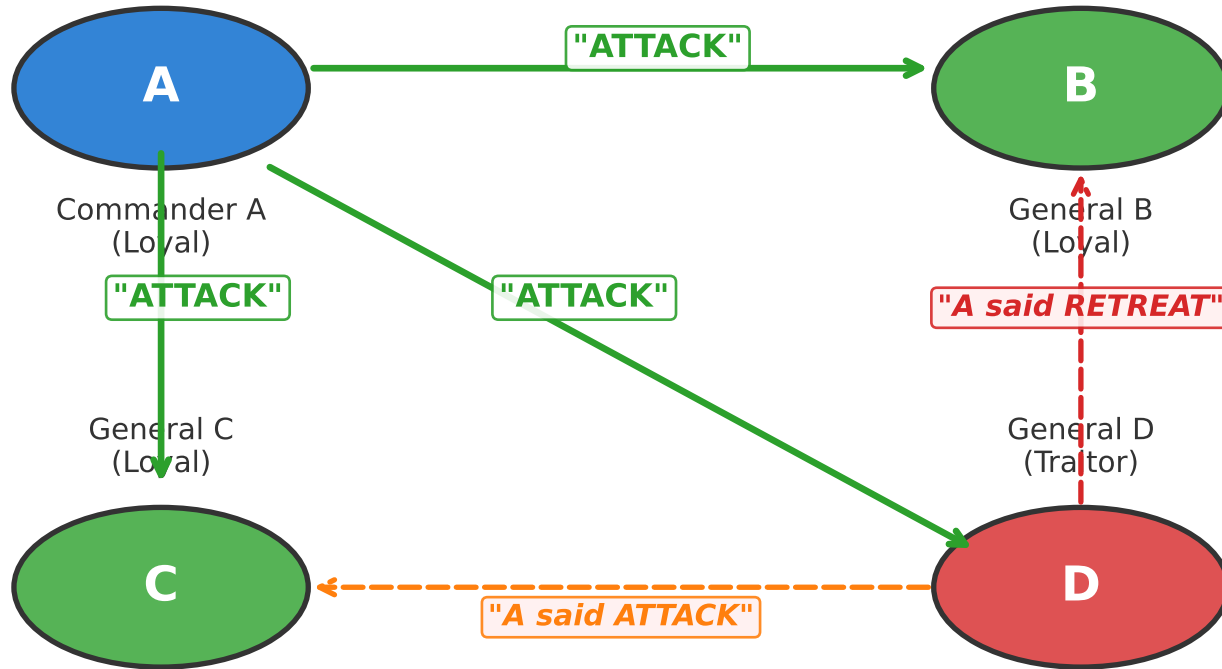

Legend: ● Commander ● Loyal General ● Traitor

A — "ATTACK" → B

Commander A (Loyal)

A — "ATTACK" → C

A — "ATTACK" → D

General B (Loyal)

D — "A said RETREAT" → B

General C (Loyal)

D — "A said ATTACK" → C

General D (Traitor)

Problem: How can loyal generals reach consensus when traitors send conflicting messages?