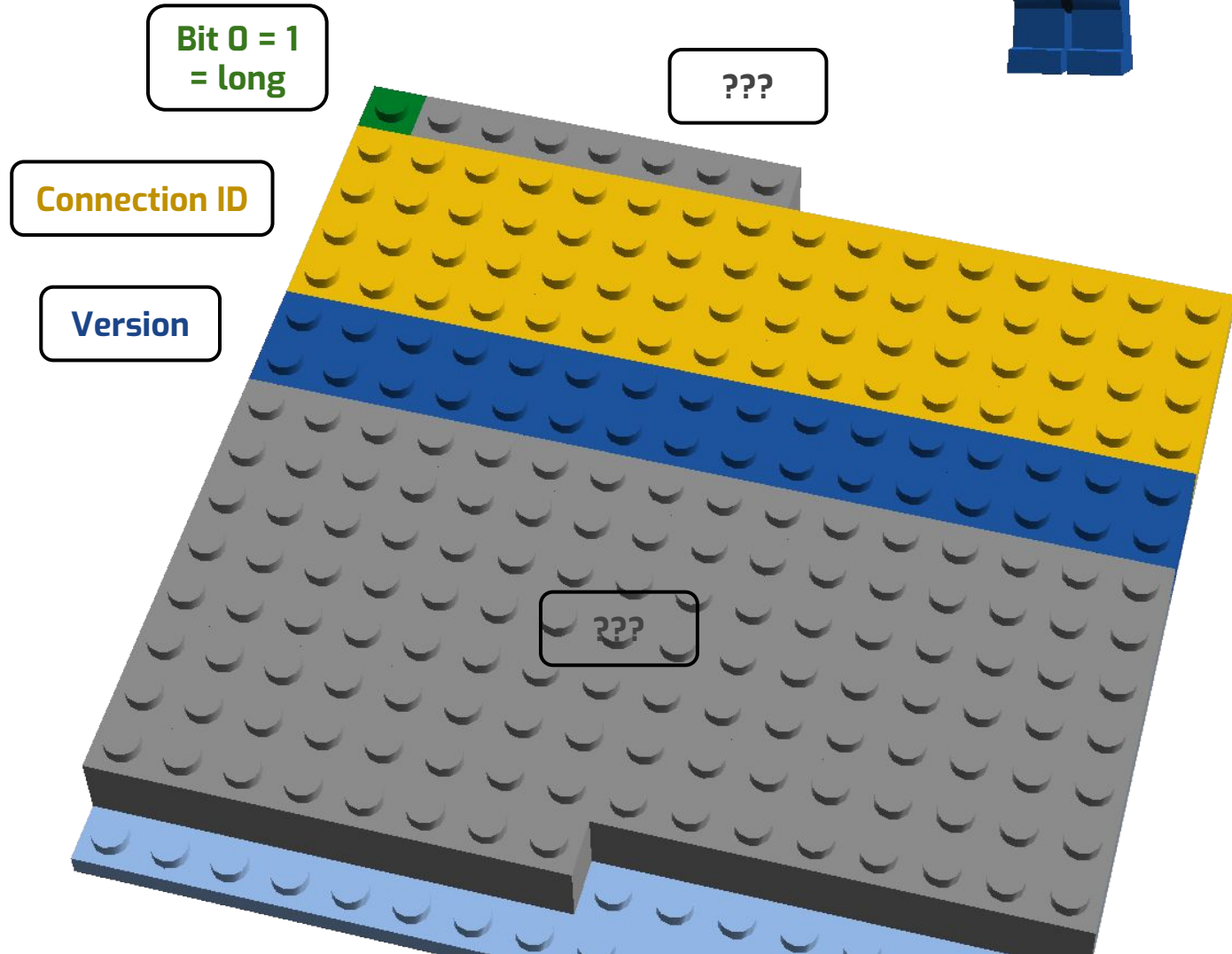# Invariants

QUIC Down Under

Invariants - Recap

Document the things that are QUIC **generically**

draft-thomson-quic-invariants describes

- long header format
- short header format
- version negotiation format

QUIC Long Header Invariants

Bit 0 = 1
= long

???

Connection ID

Version

???

QUIC Short Header Invariants

**Bit 0 = 0
= short**

**Bit 1 = 0
= has connection ID**

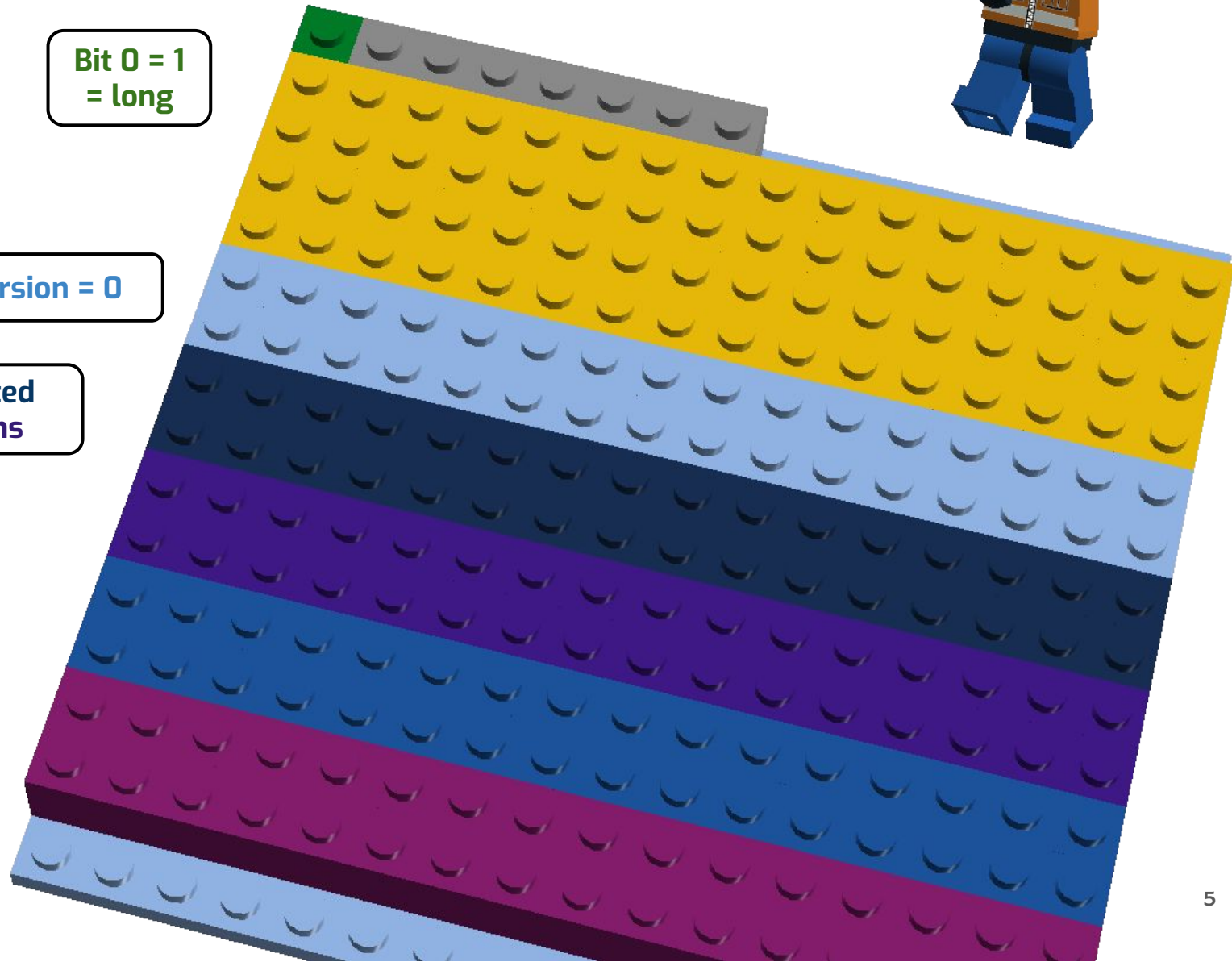???

**Bit 1 = 1
= no connection ID**

???

Version Negotiation Packet Invariants

Bit 0 = 1 = long

Version = 0

Supported Versions

Known Open Issues

Require connection ID always [#821](#)

Connection ID size [#1052](#)

...and the protocol isn't done yet

Proposal: continue discussion and update as we reach c

ADOPT