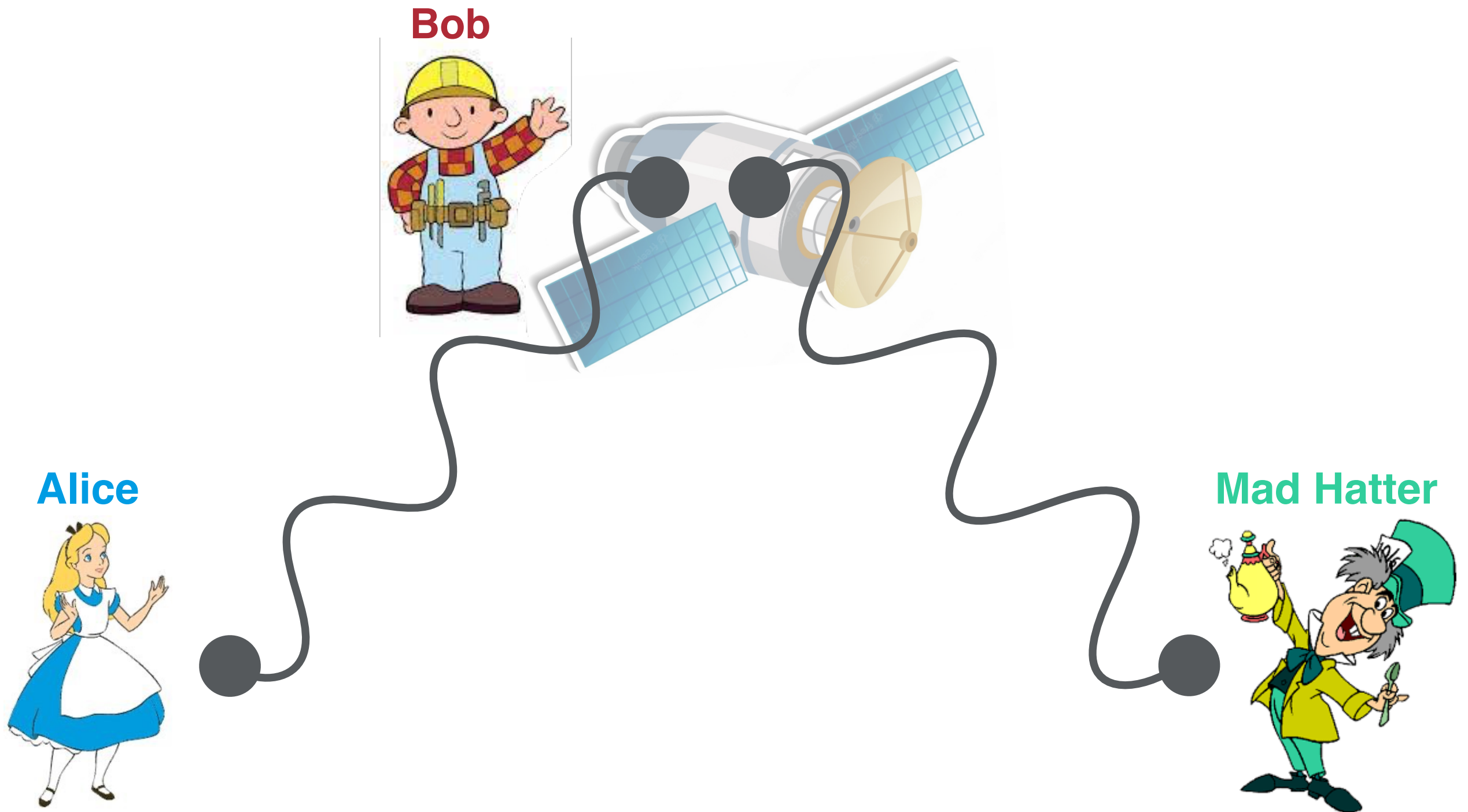


High-dimensional Quantum Steering in Networks

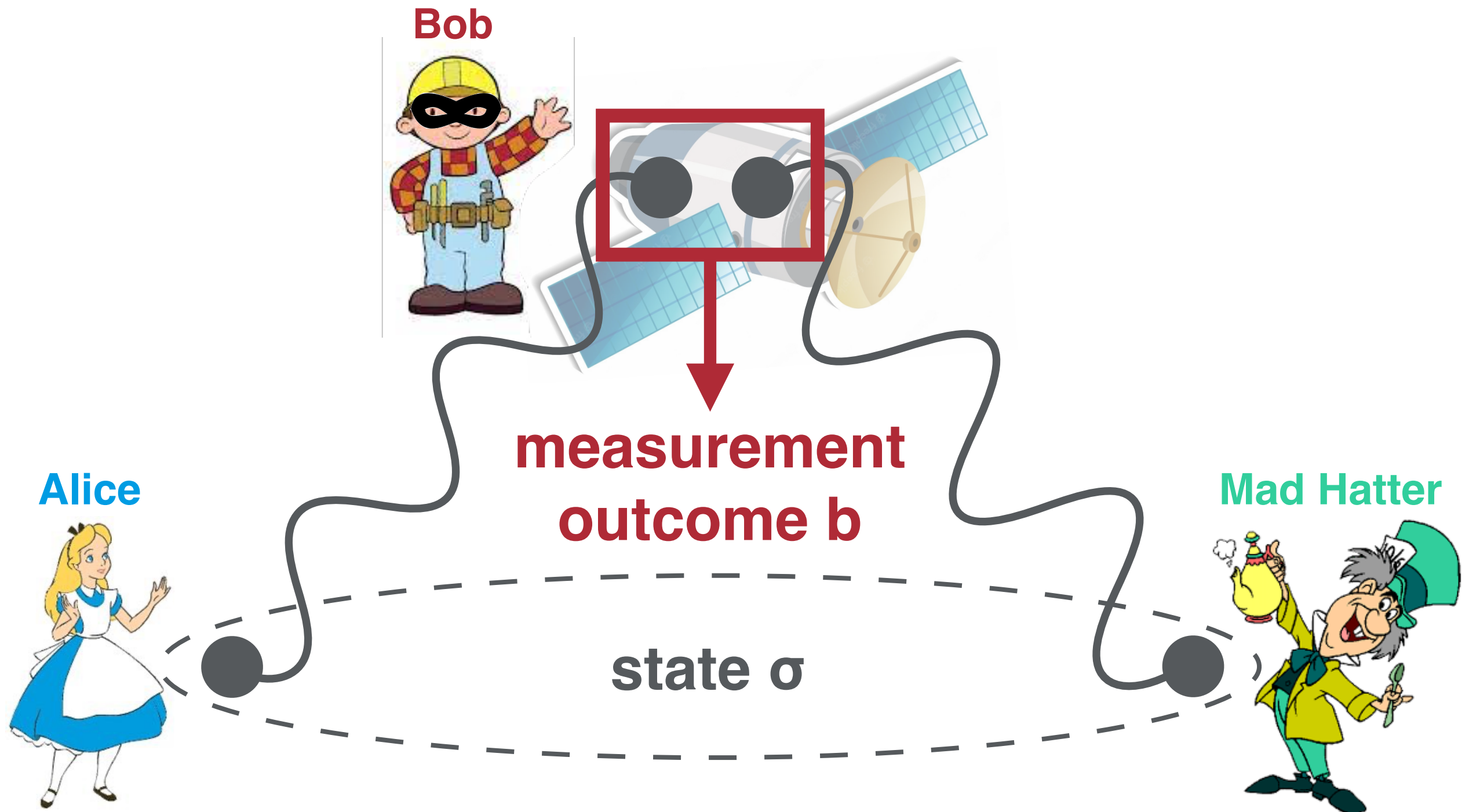
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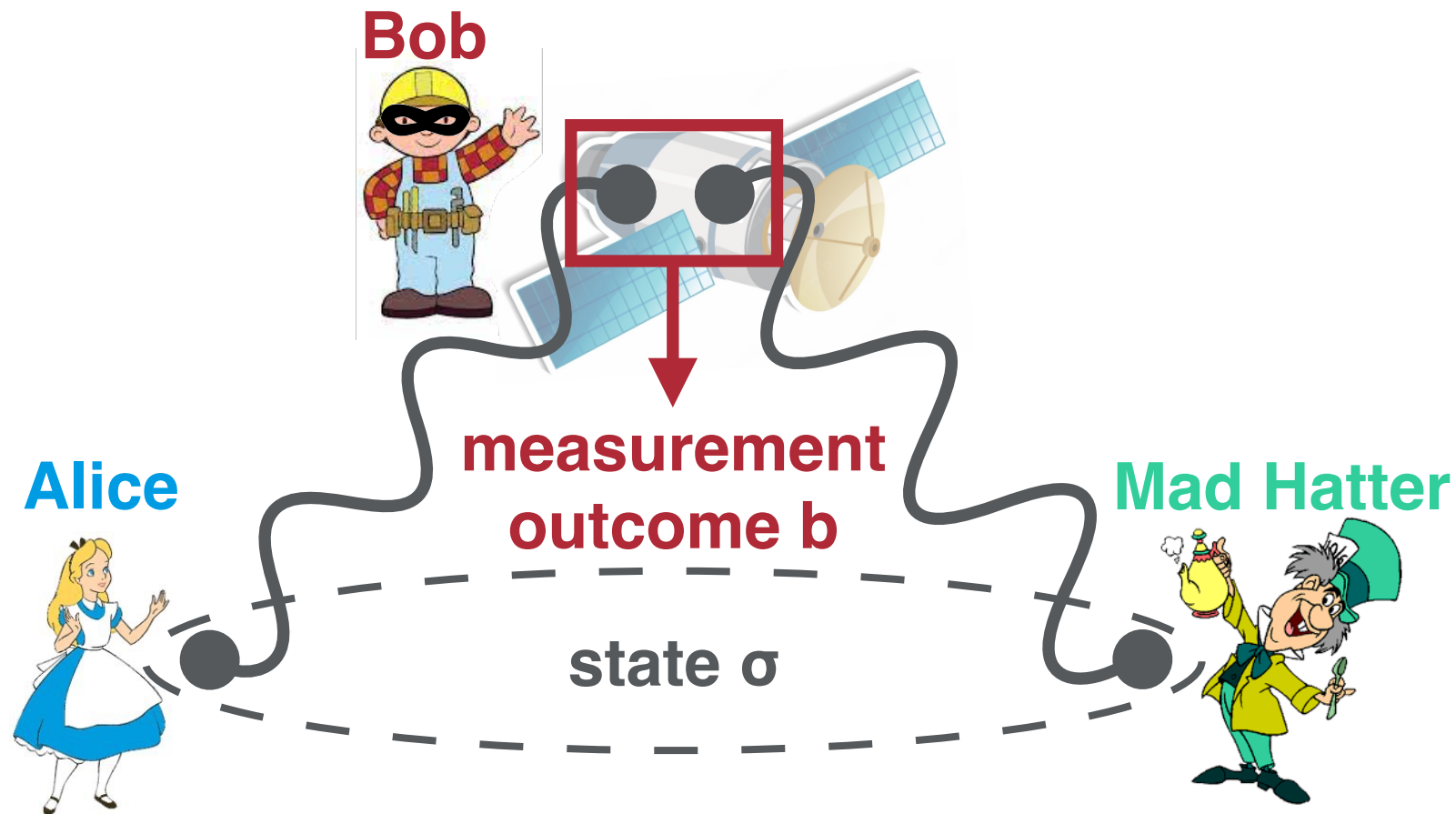
Quantum Networks



Quantum Steering in Networks

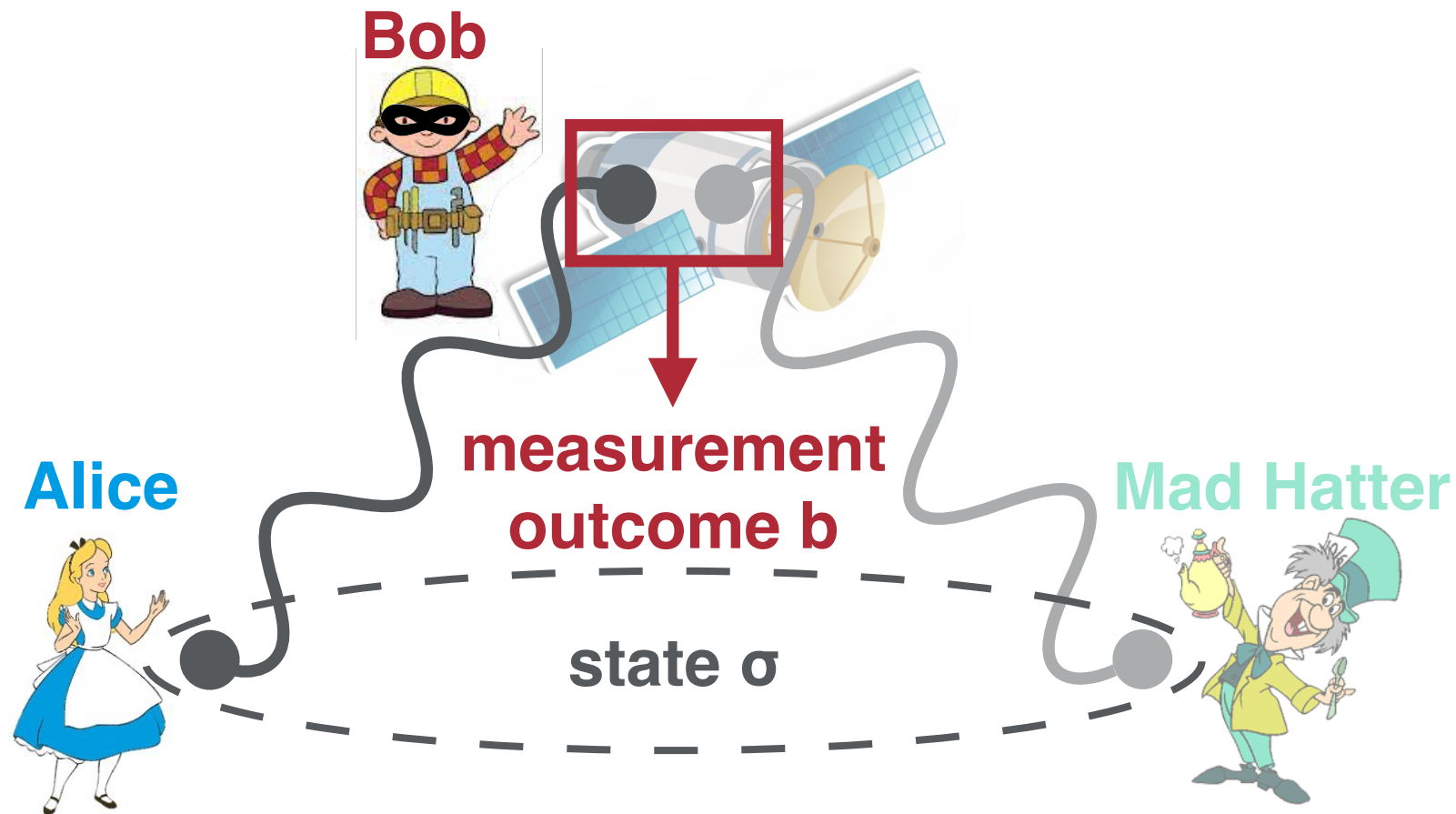


Certification of Quantum Steering



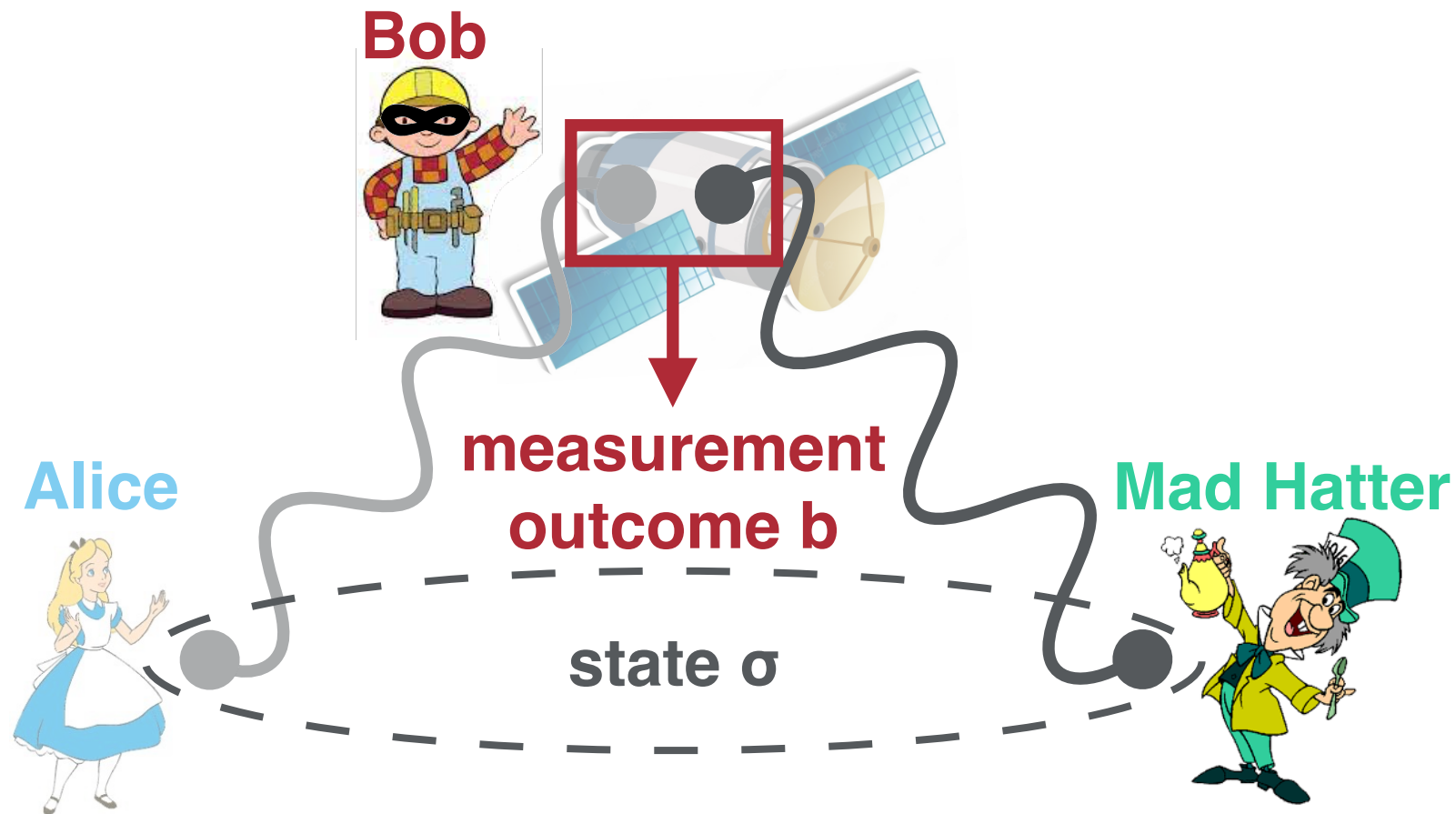
- What if there is no entanglement in the links?
→ σ not entangled
- What if there is entanglement in the links?

Certification of Quantum Steering



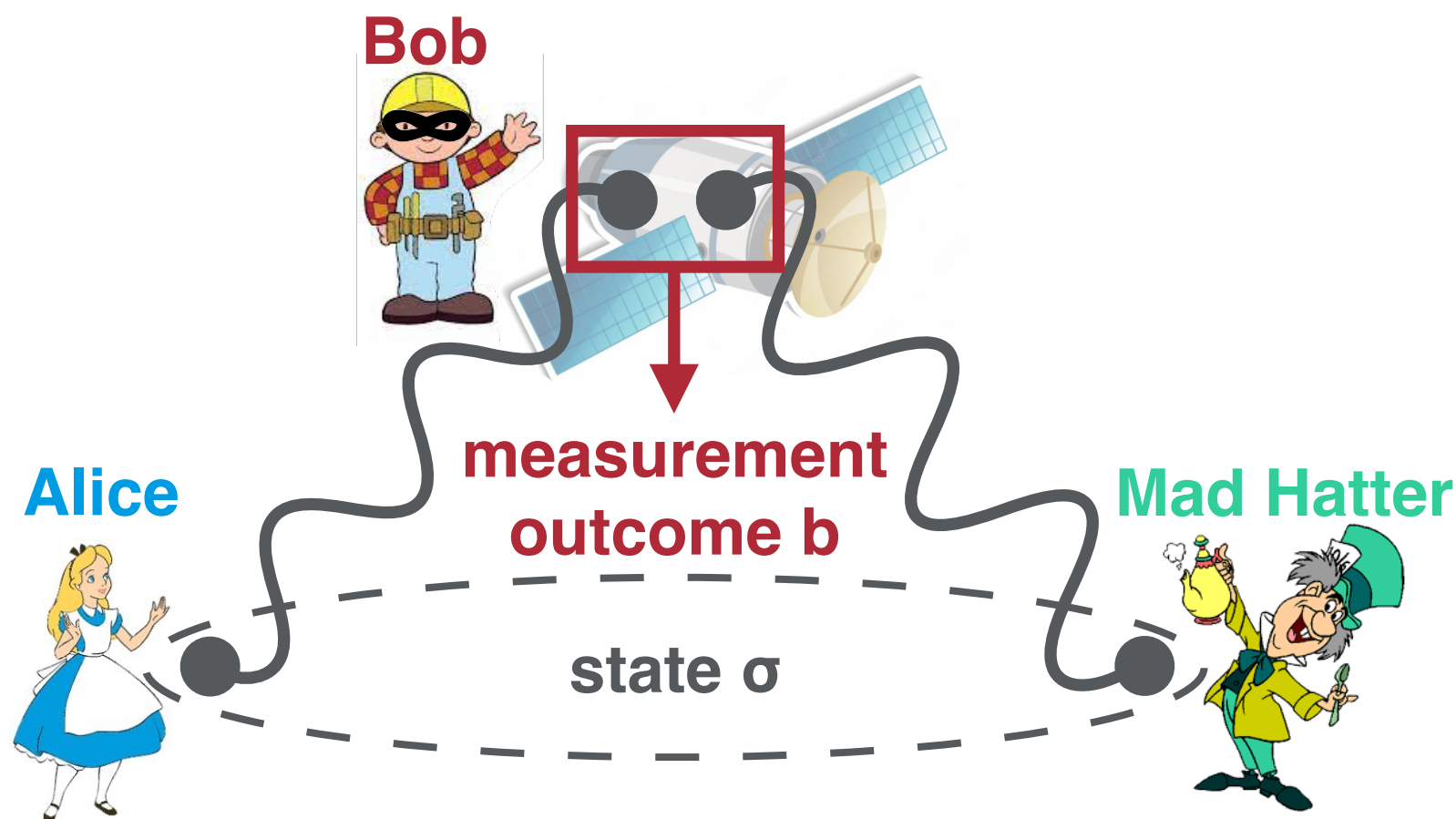
- What if there is no entanglement in the links?
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- What if there is entanglement in the links?

Certification of Quantum Steering



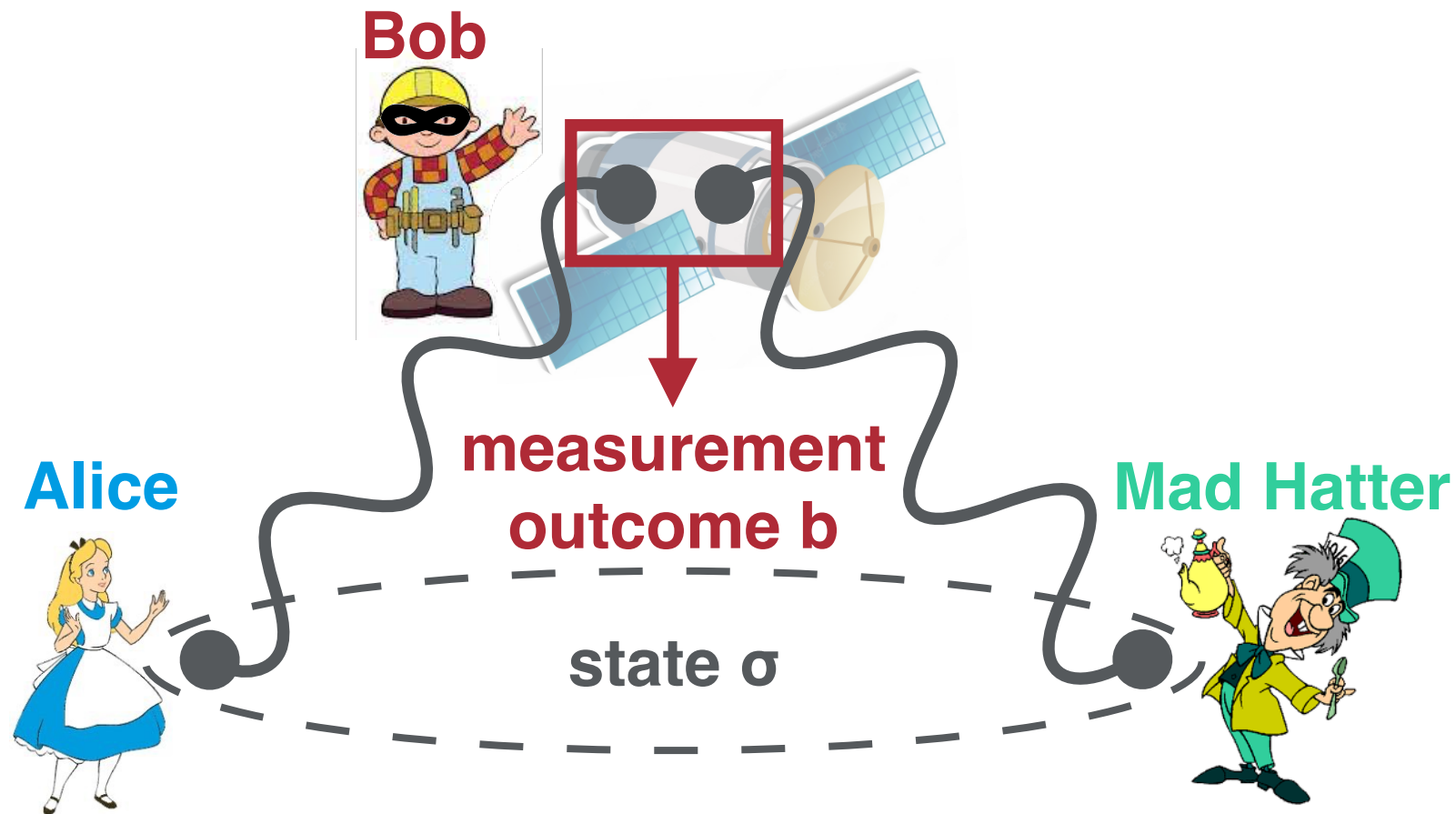
- What if there is no entanglement in the links?
→ σ not entangled
- What if there is entanglement in the links?

Certification of Quantum Steering



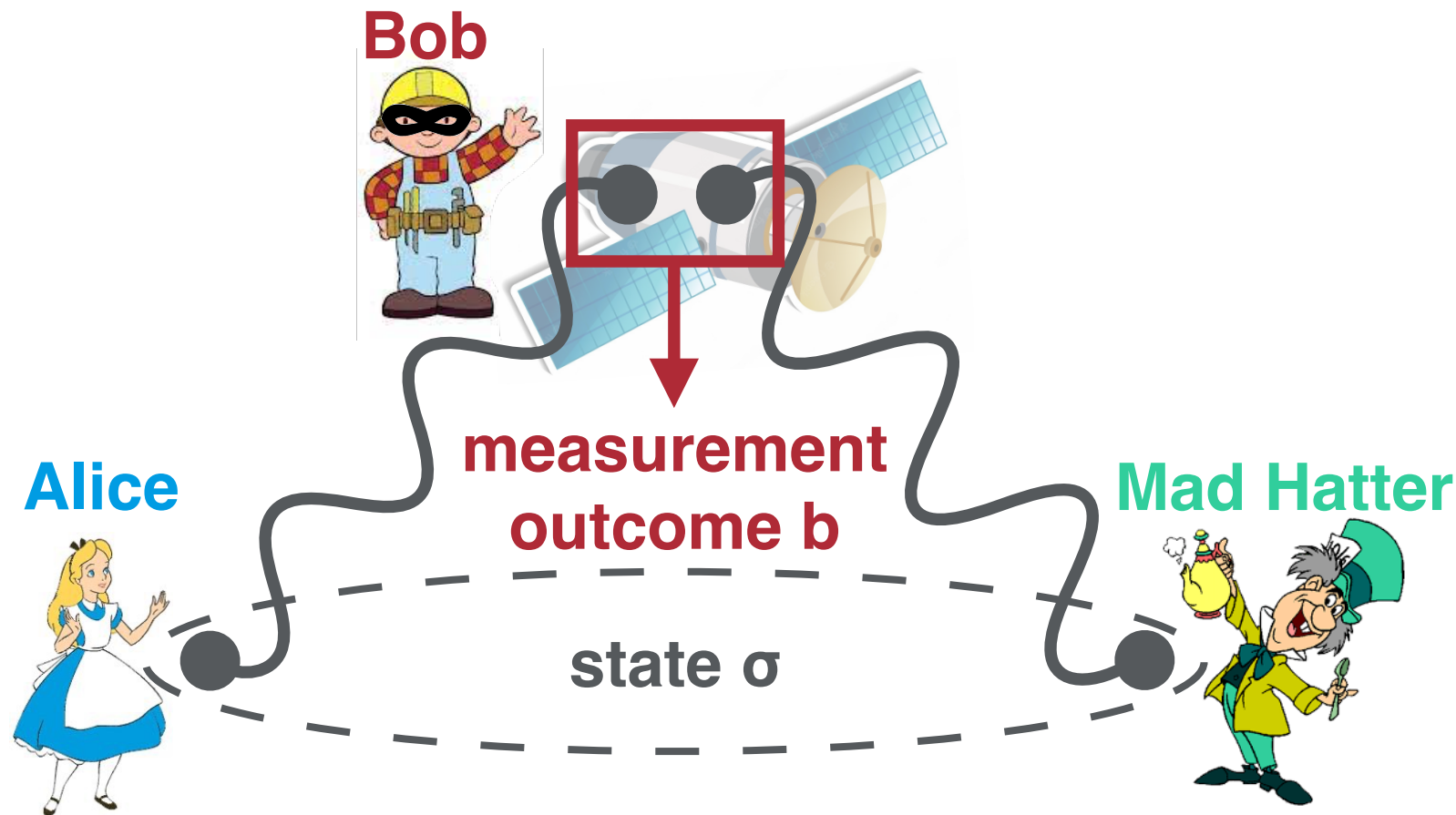
- What if there is no entanglement in the links?
→ σ not entangled
- What if there is entanglement in the links?

Certification of Quantum Steering



- What if there is no entanglement in the links?
 - σ not entangled
- What if there is entanglement in the links?
 - σ may be entangled
- σ entangled
 - certification of entanglement in the links

Certification of High-dimensional Quantum Steering



- What if entanglement dimensionality in links is n ?
 - entanglement dimensionality of $\sigma \leq n$
- entanglement dimensionality of σ
 - certification of entanglement dimensionality in links

High-dimensional Quantum Steering in Networks

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Thank you very much for your attention.

Questions?

