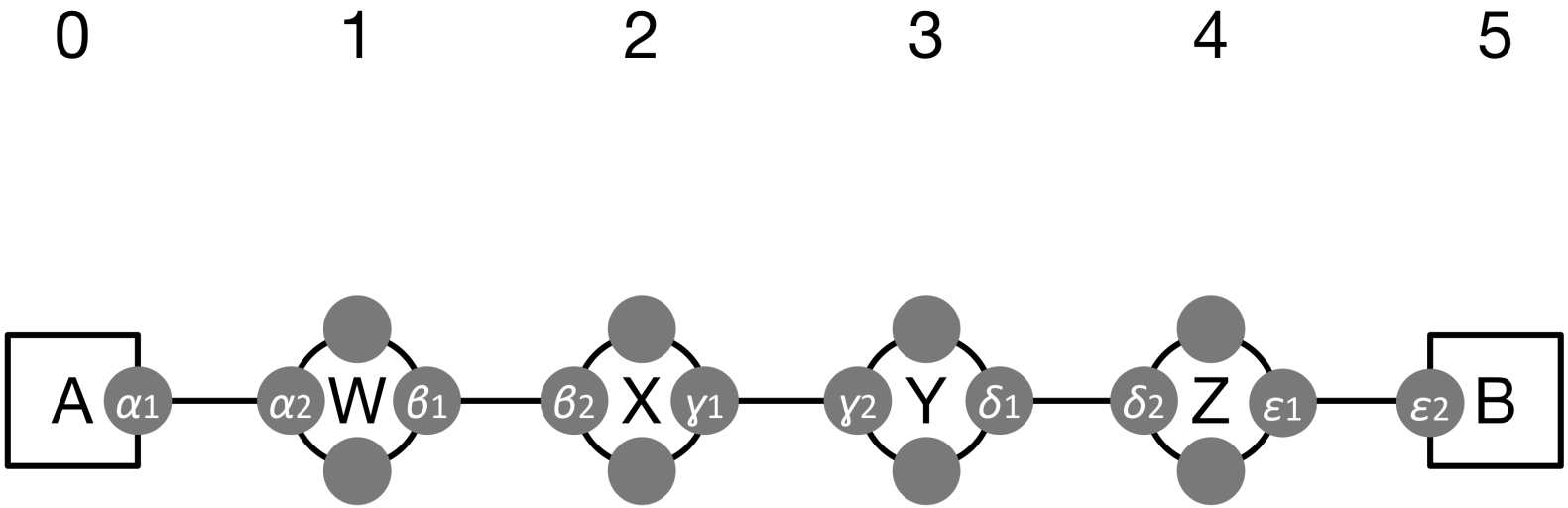
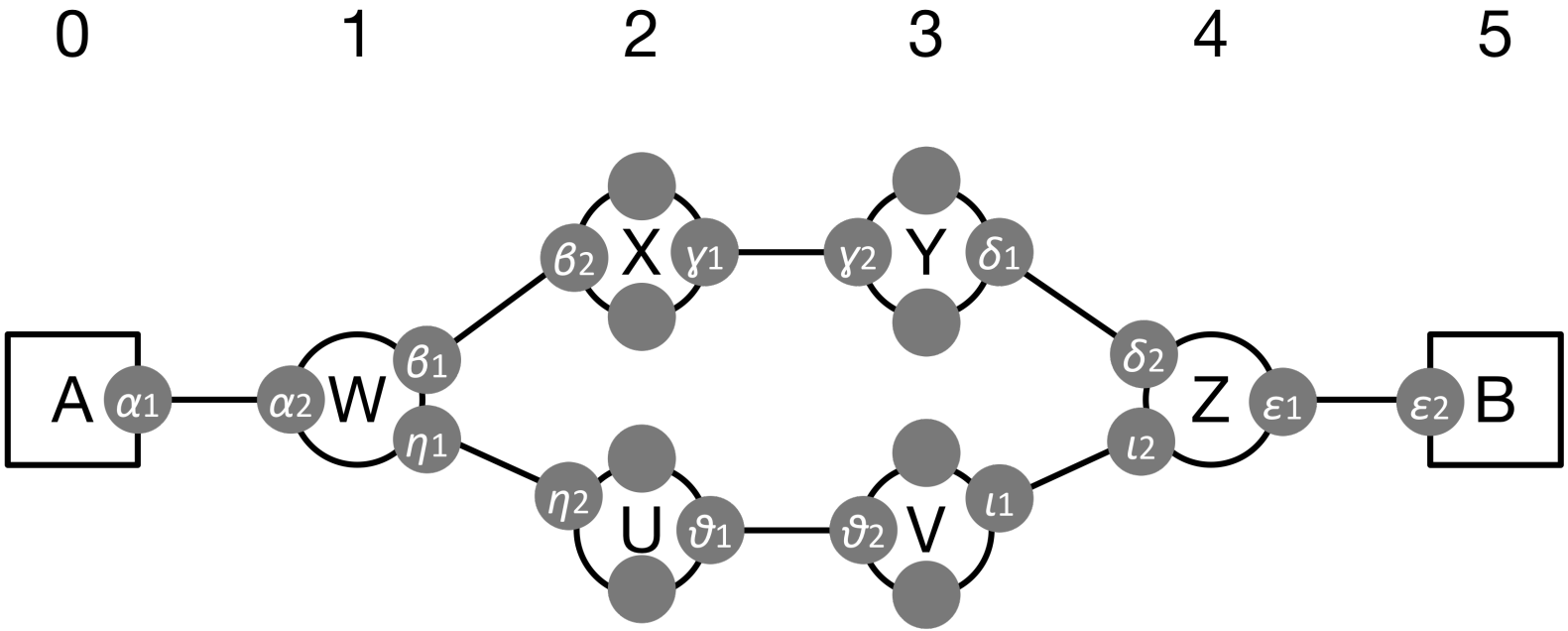
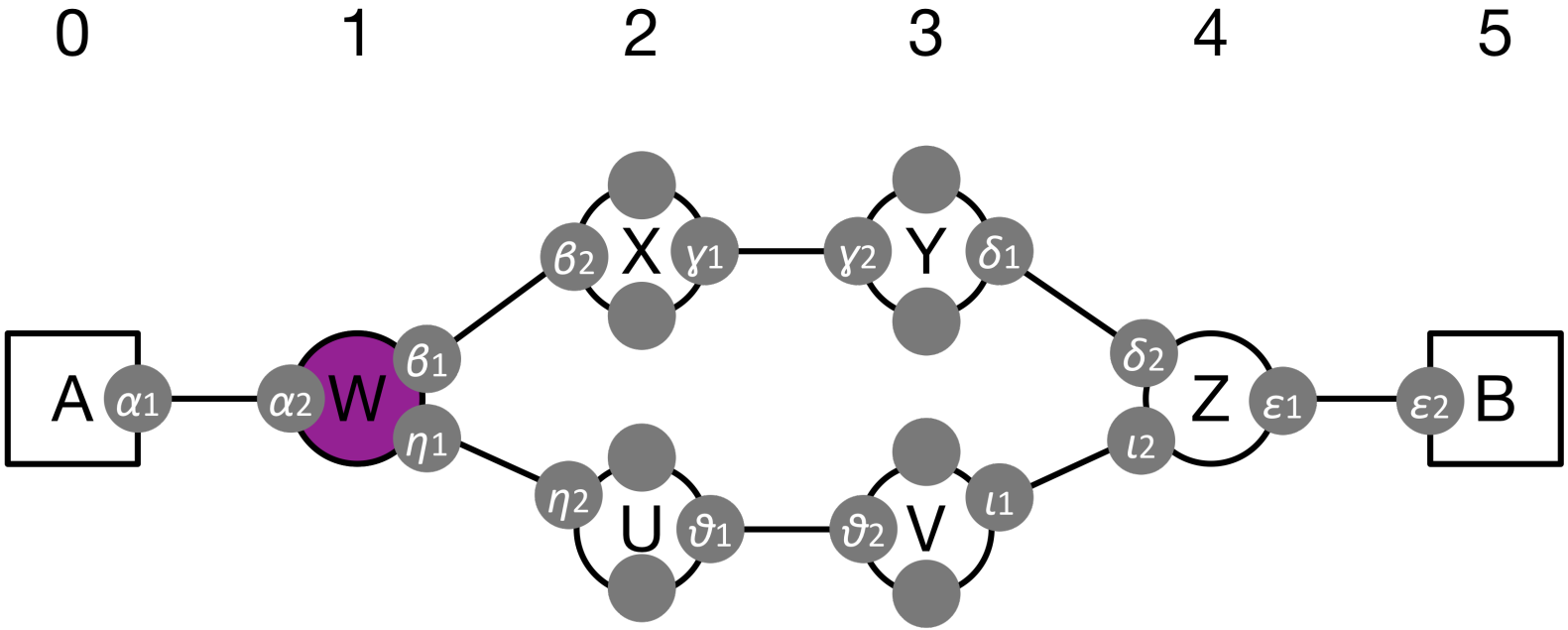
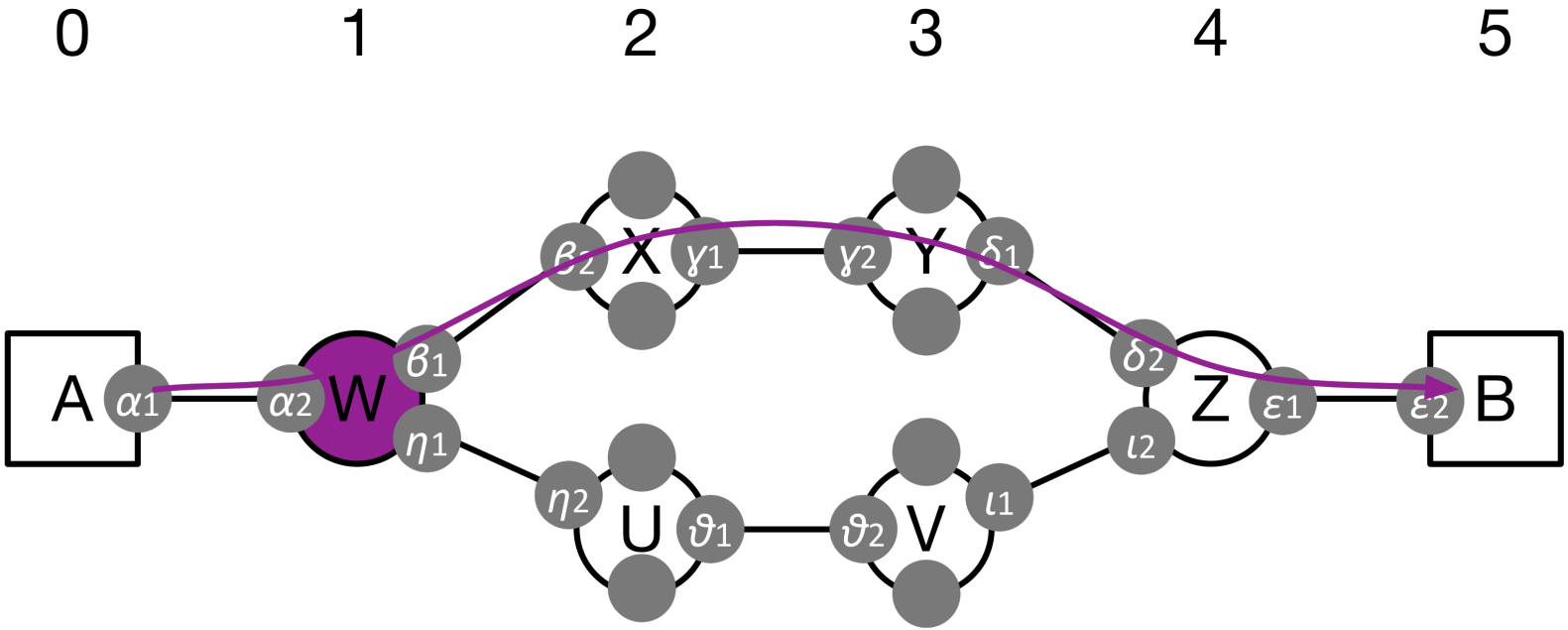
Week 2: Topology and routes

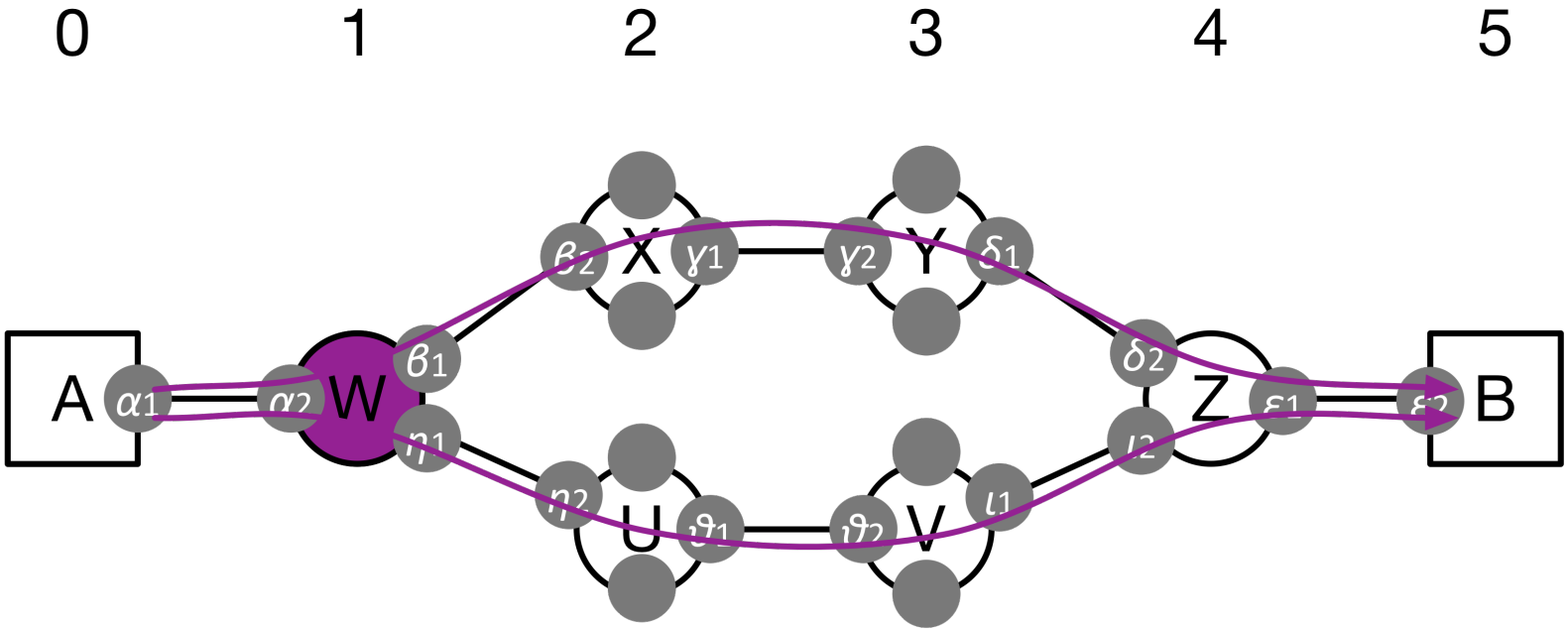
1. Introduction and questions
2. BGP updates
3. **Traceroutes**
   A. Basics
   B. Limits
   C. **Load Balancing**
   D. The tool
4. Conclusion

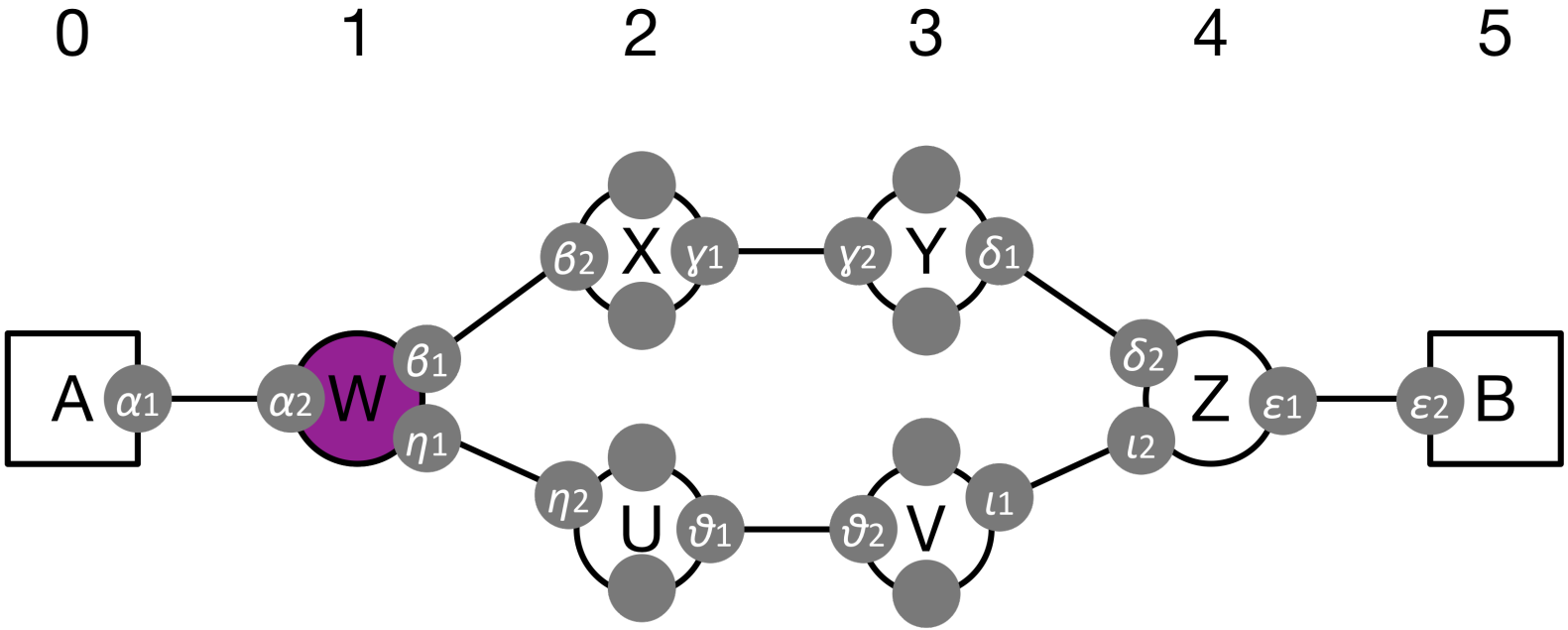

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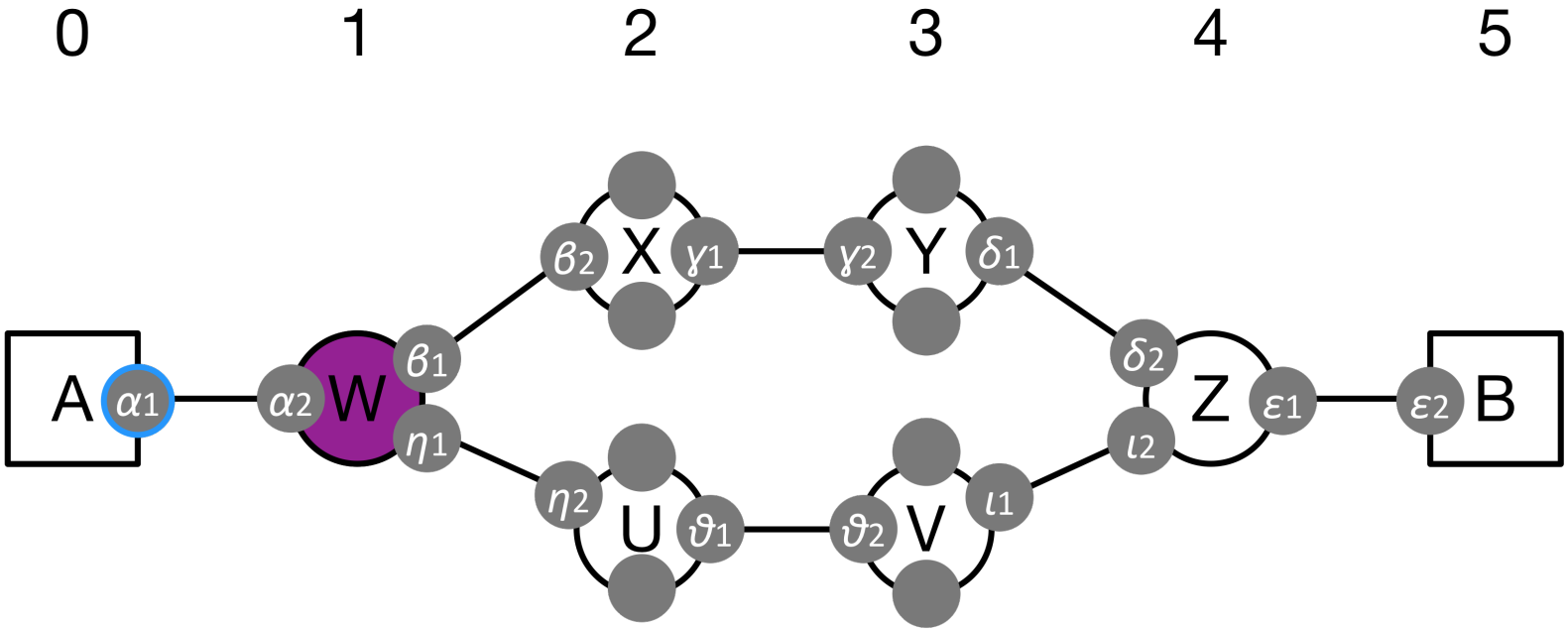

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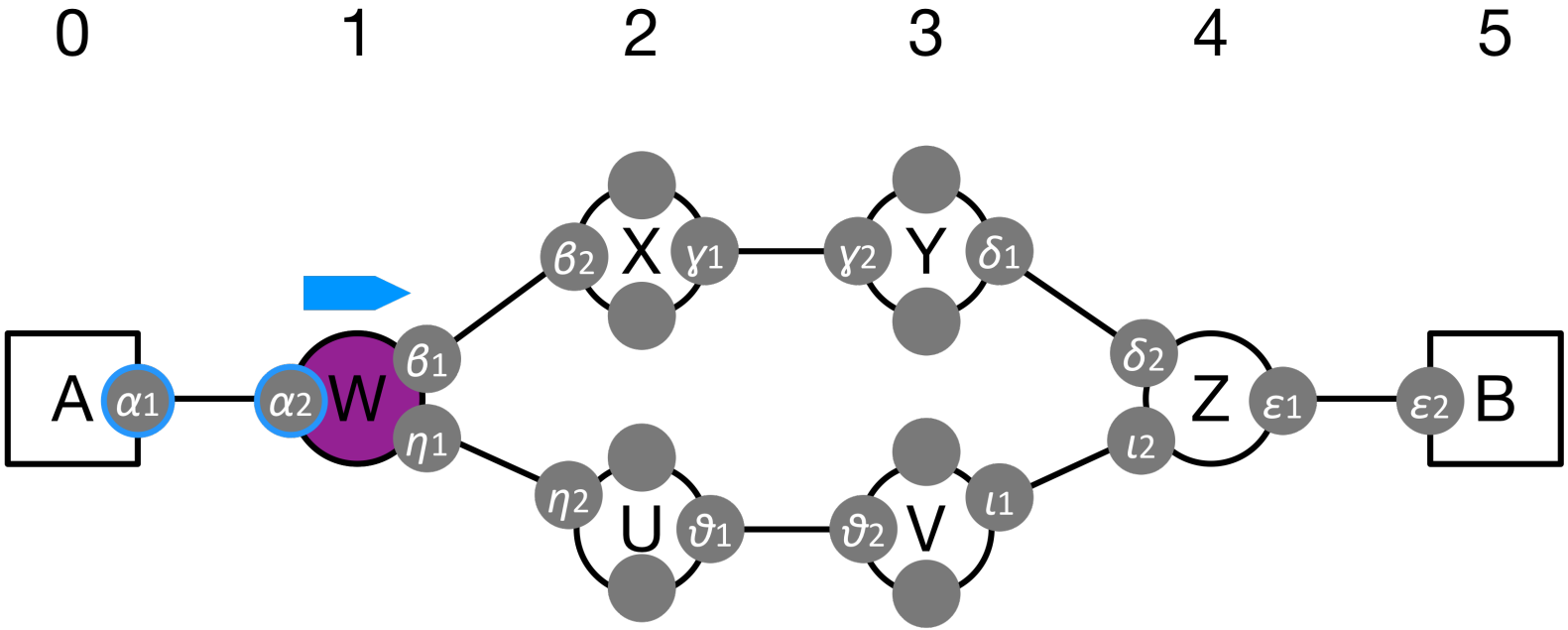

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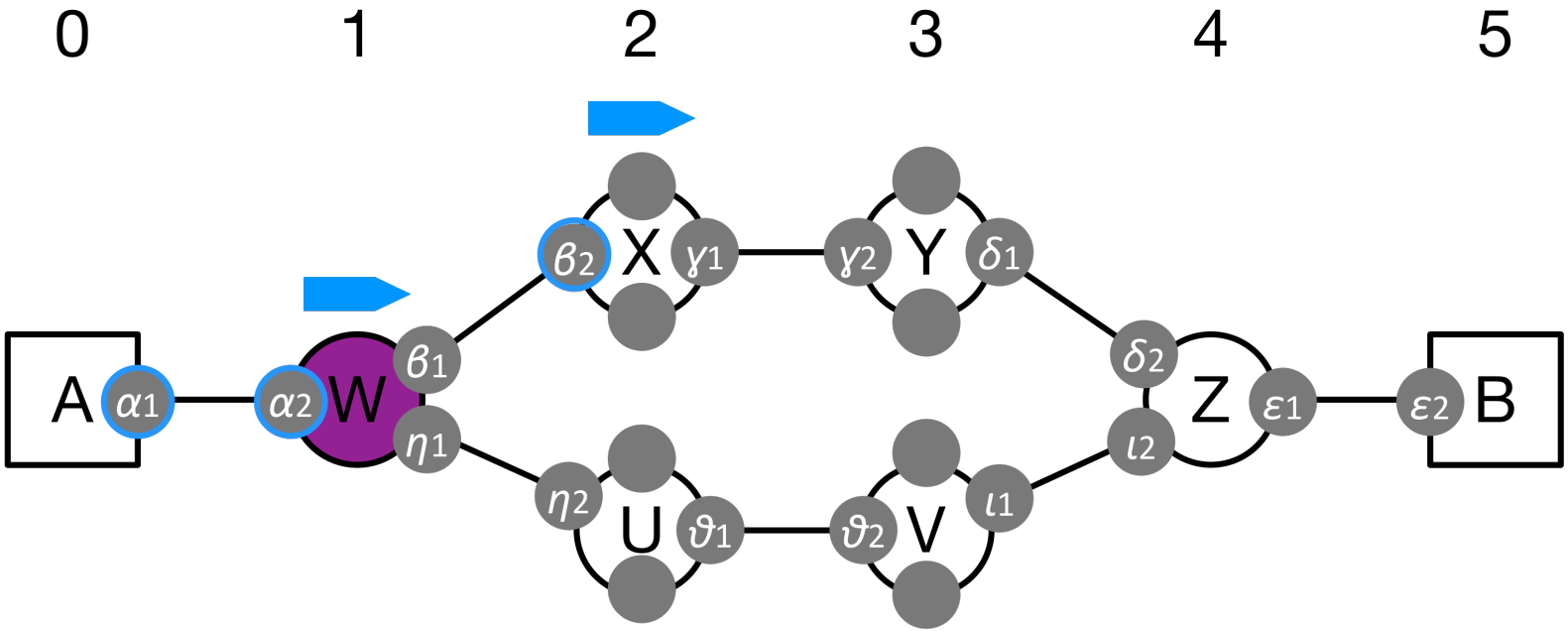

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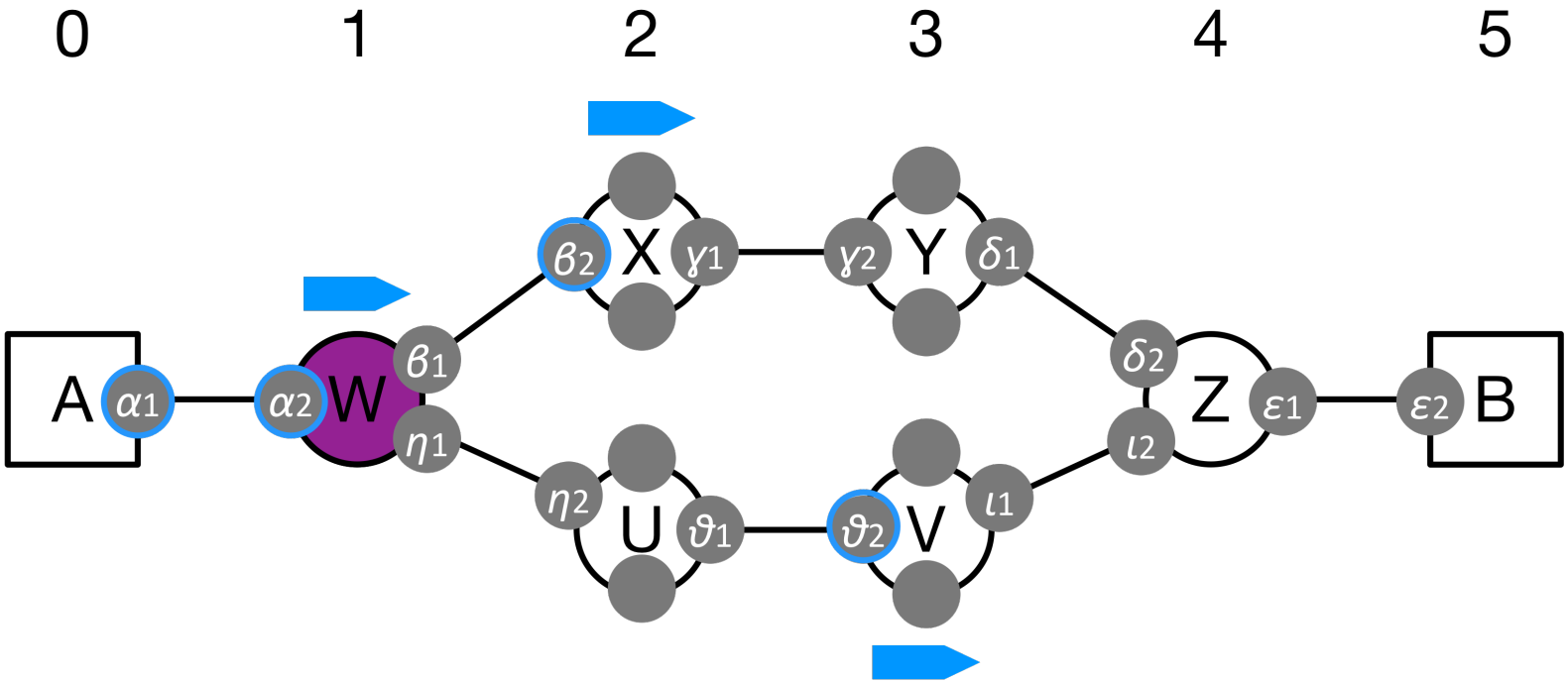

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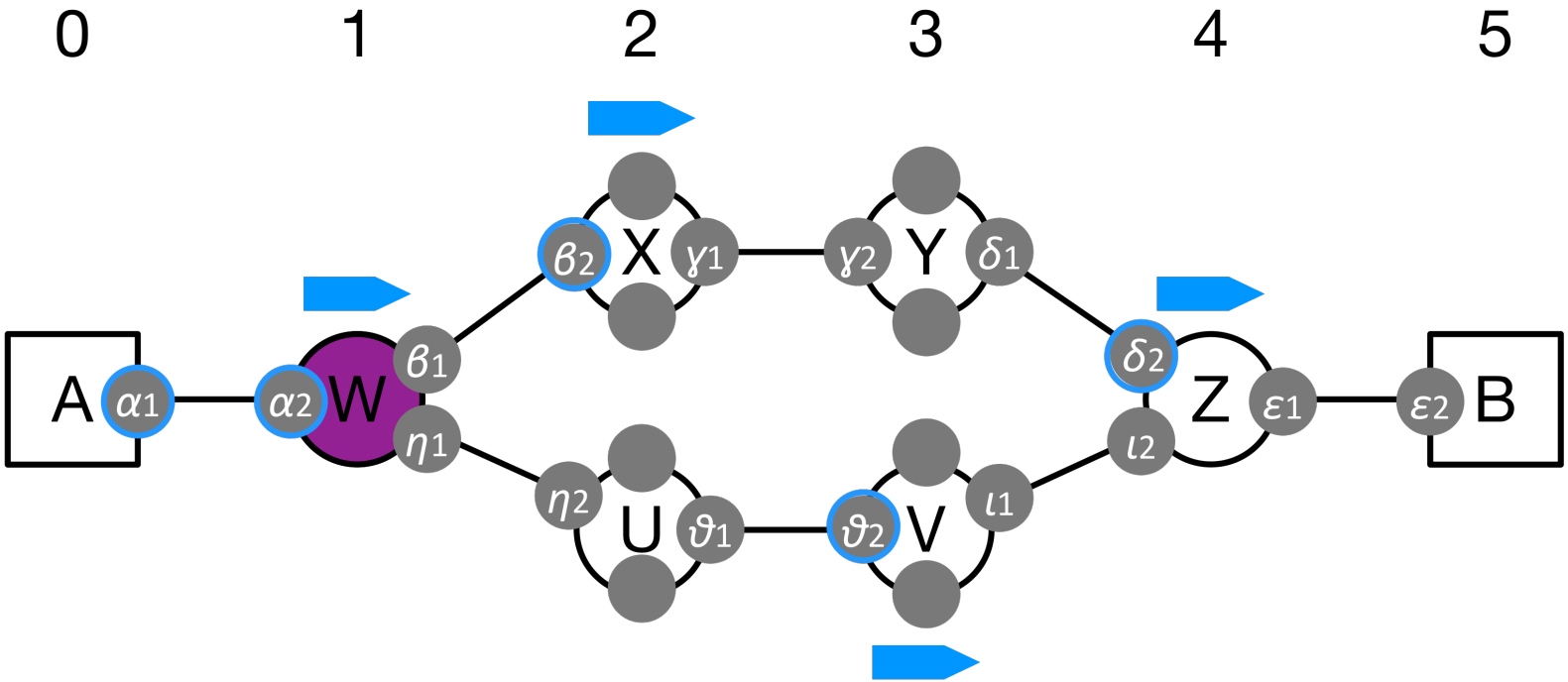

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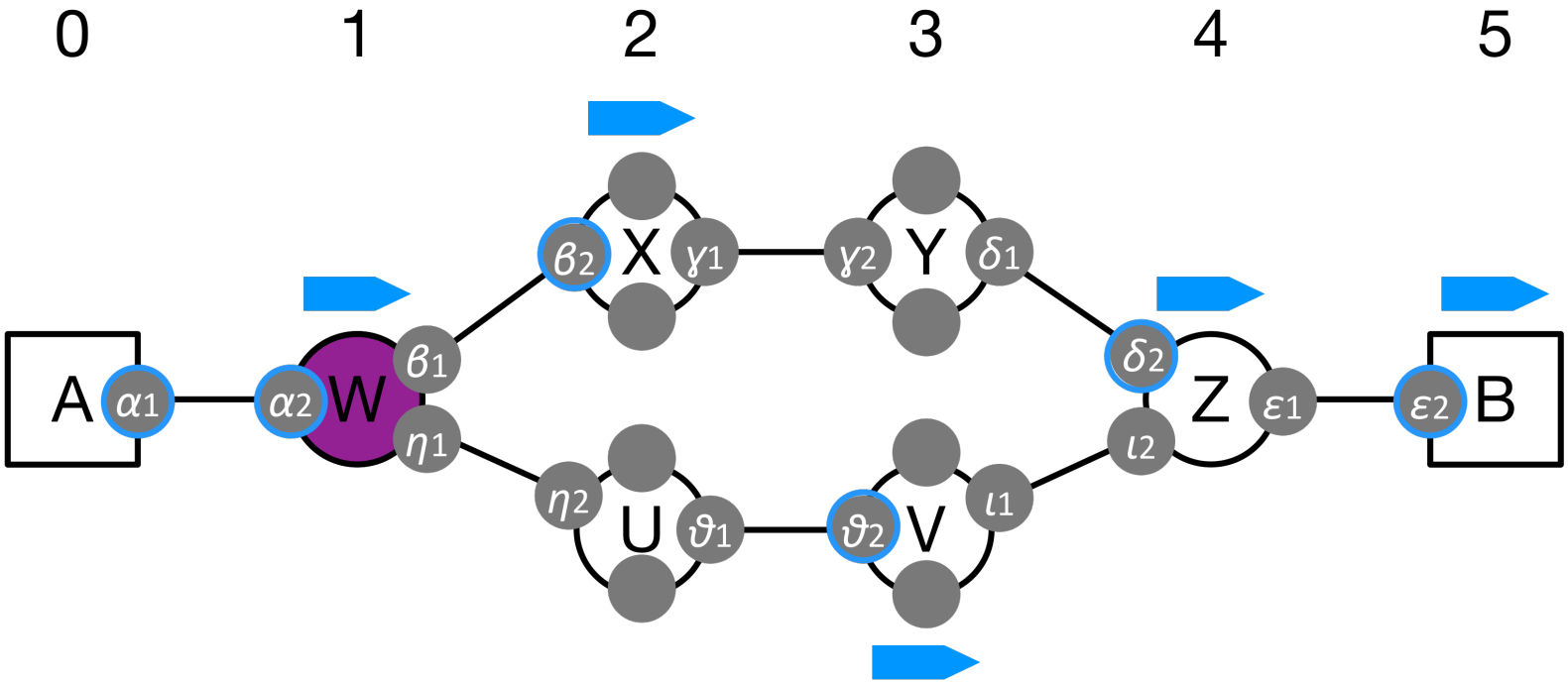

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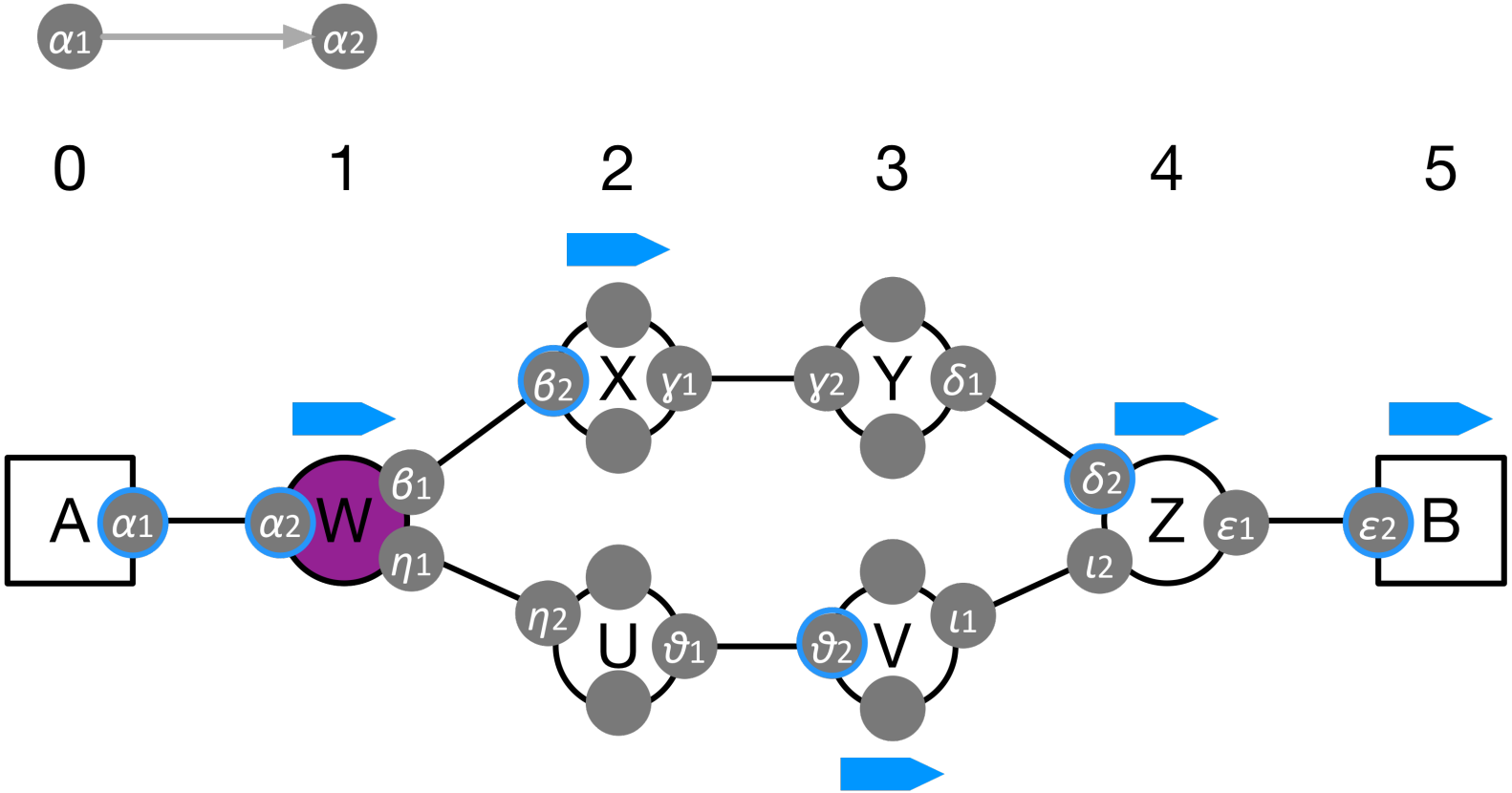

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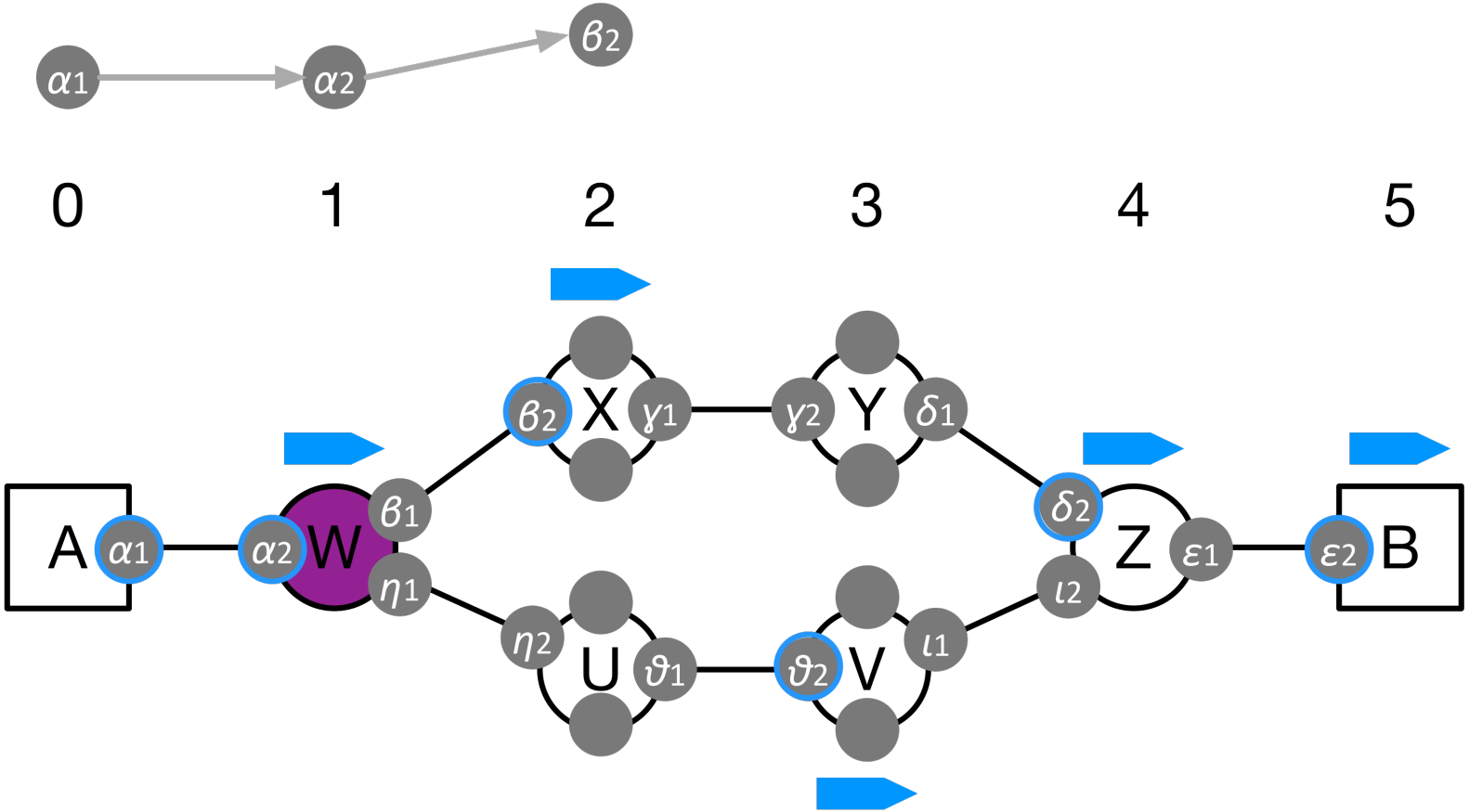

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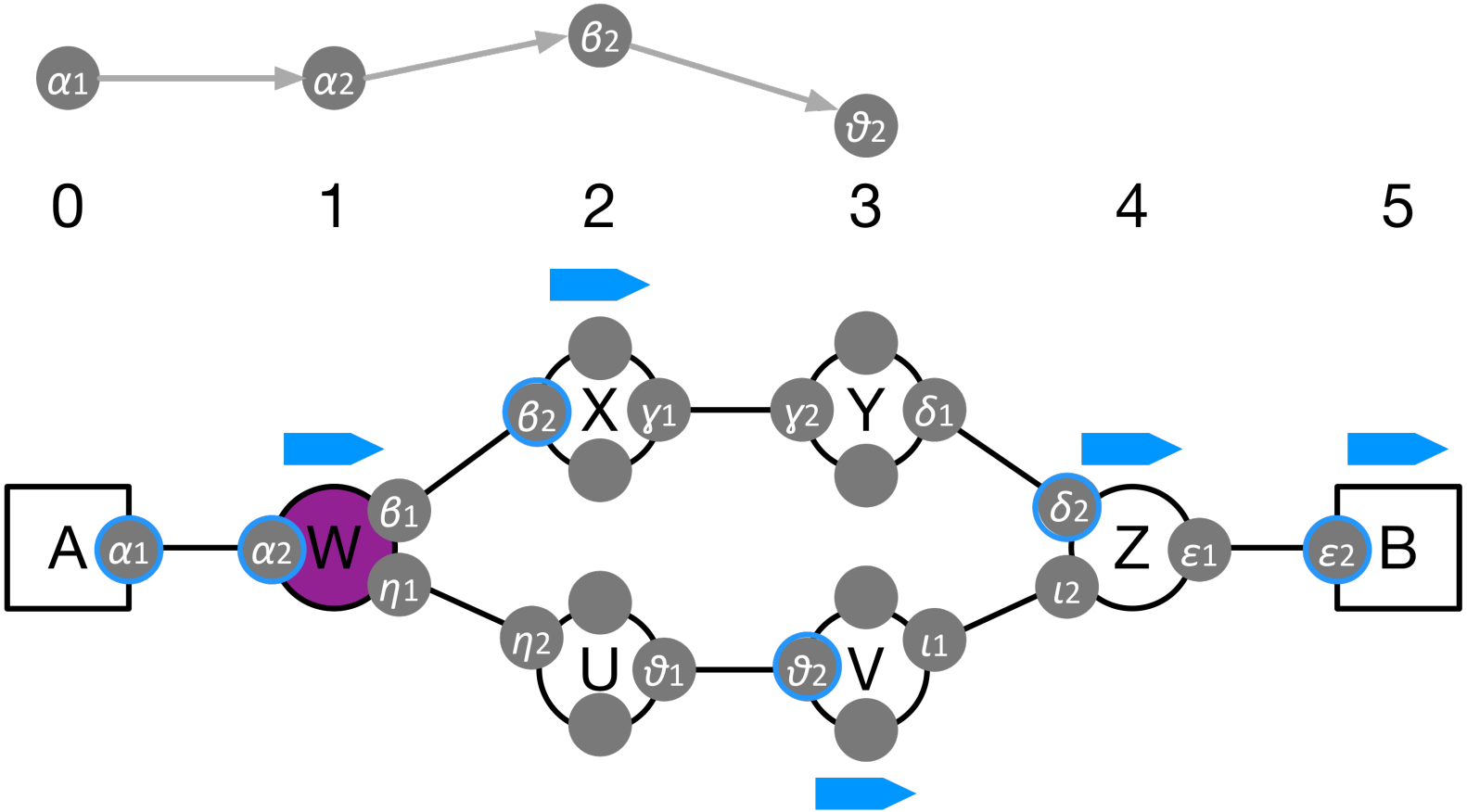

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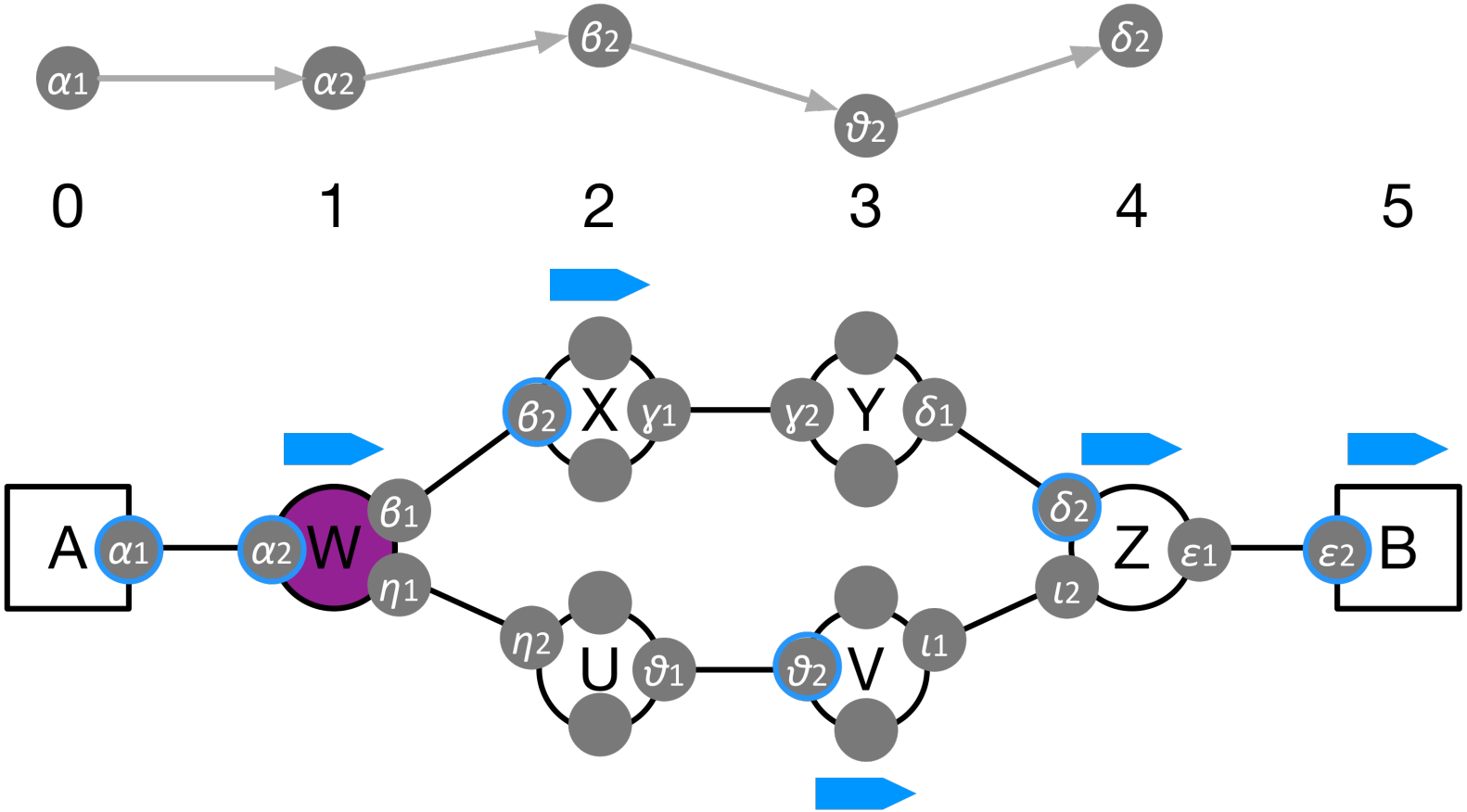

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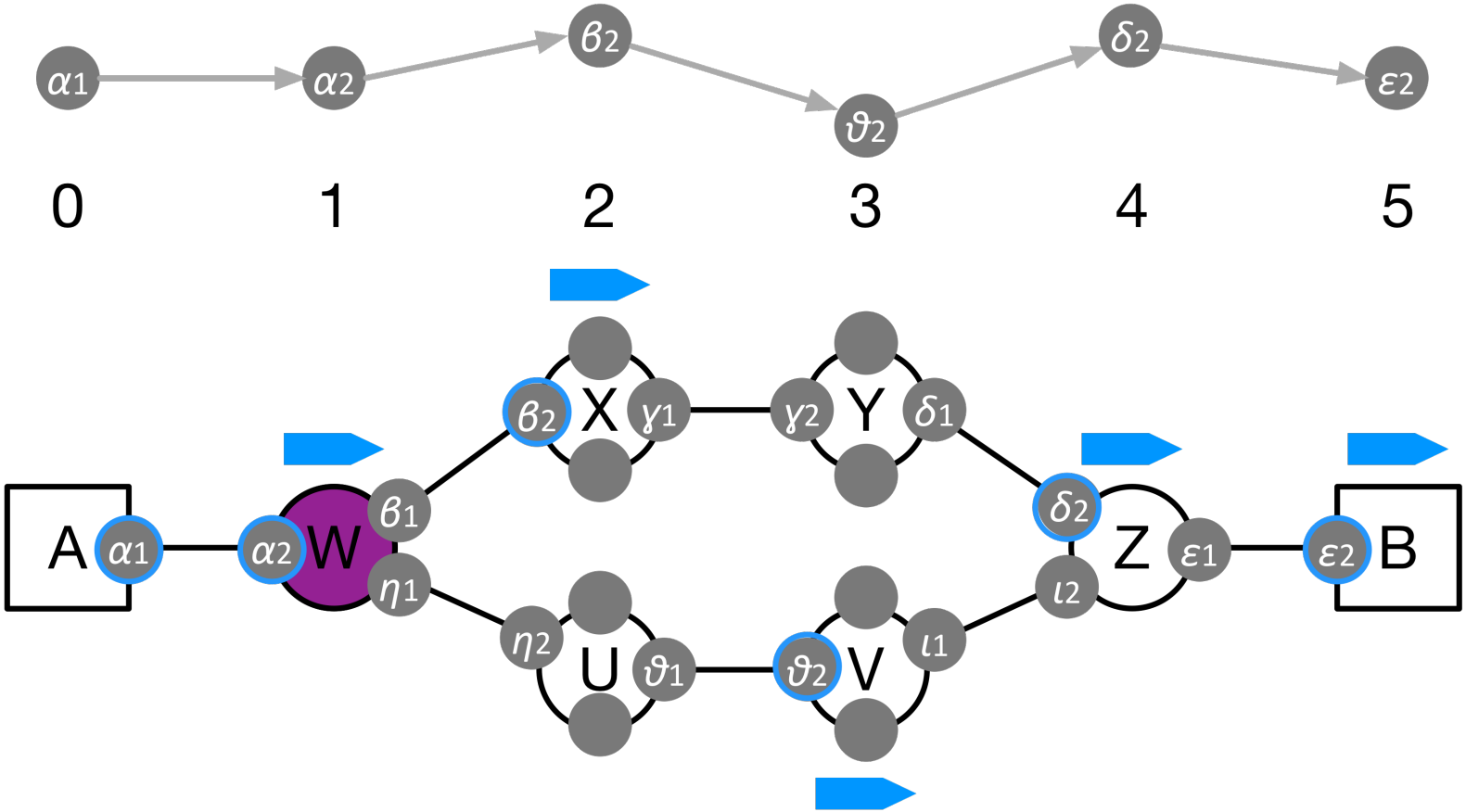

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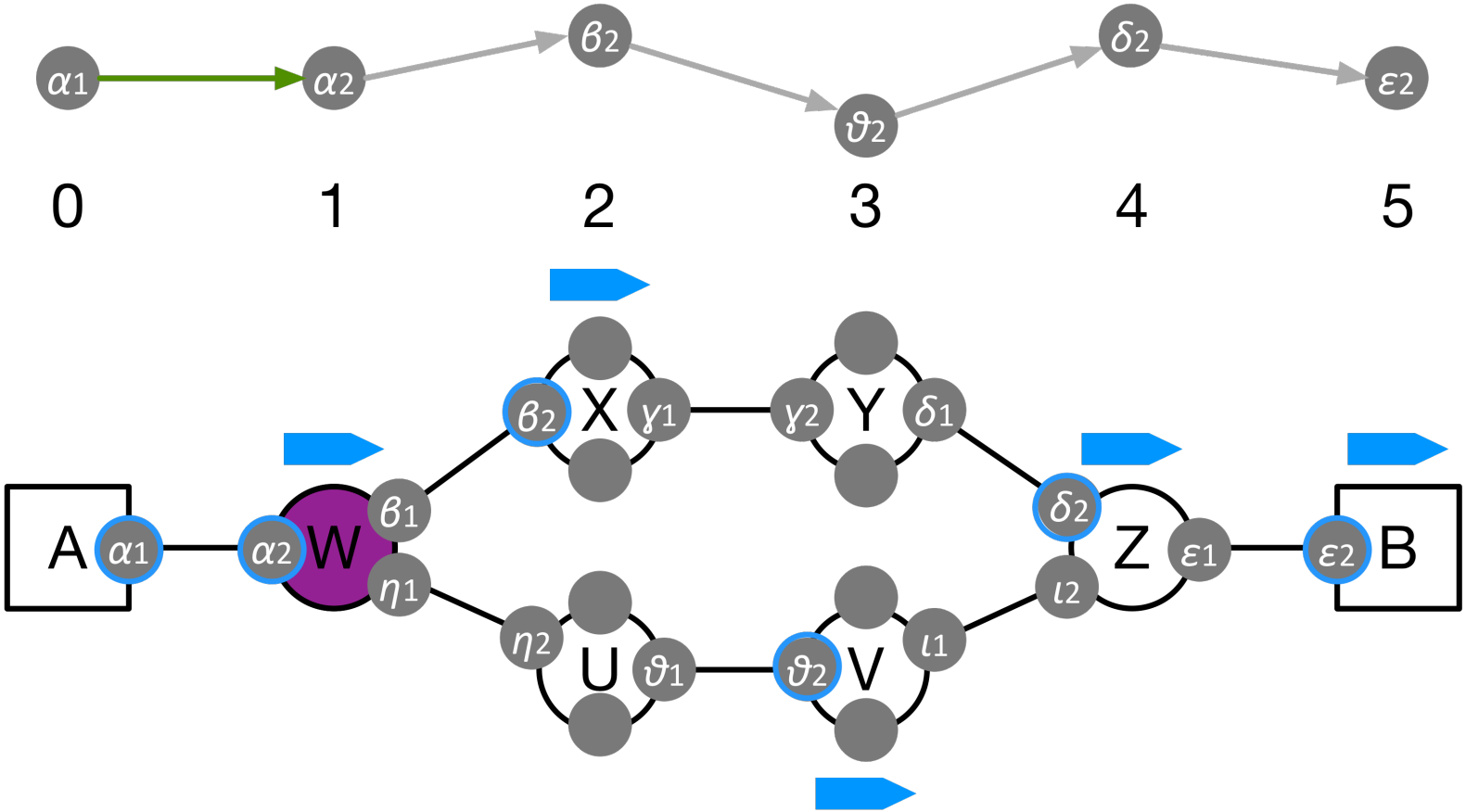

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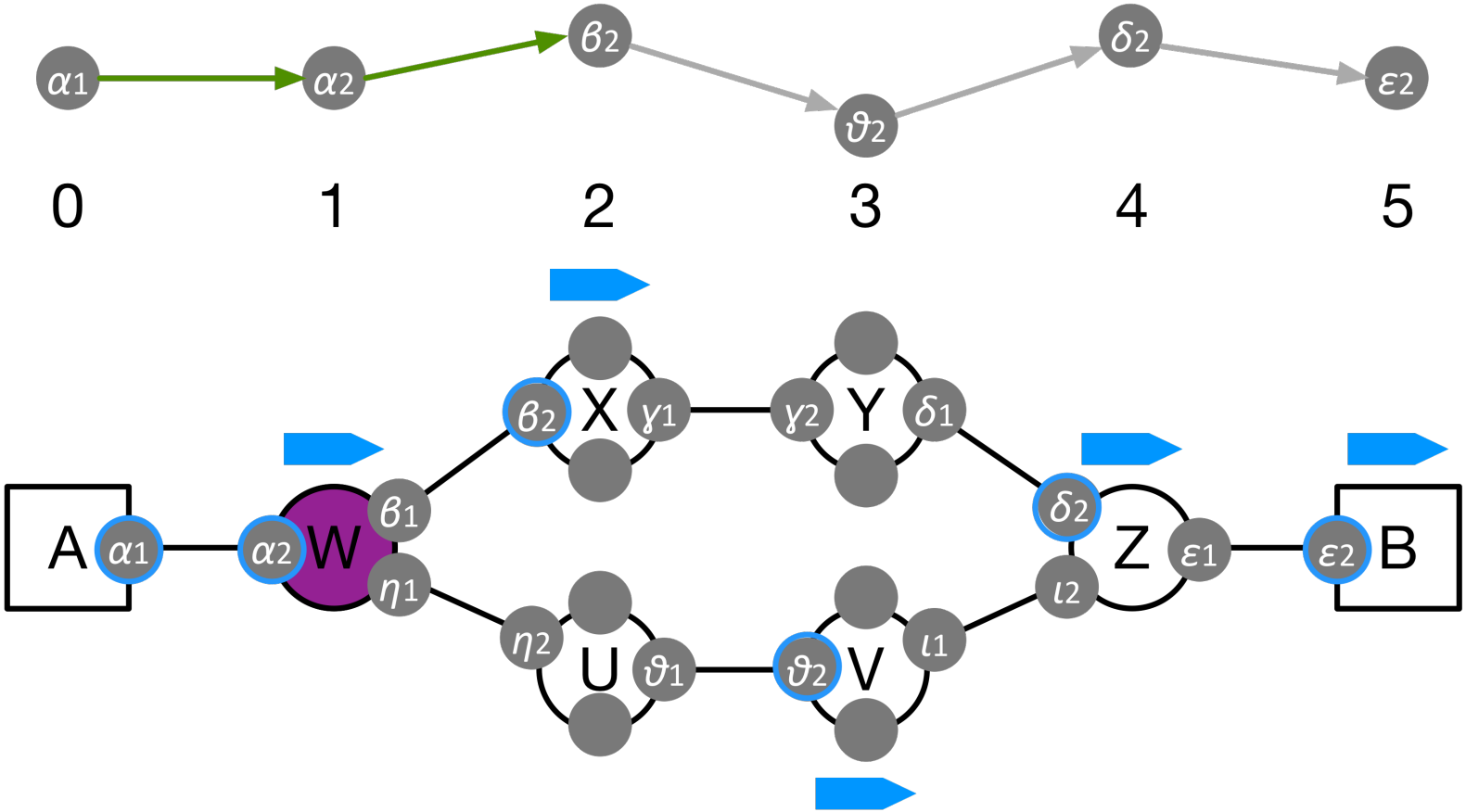

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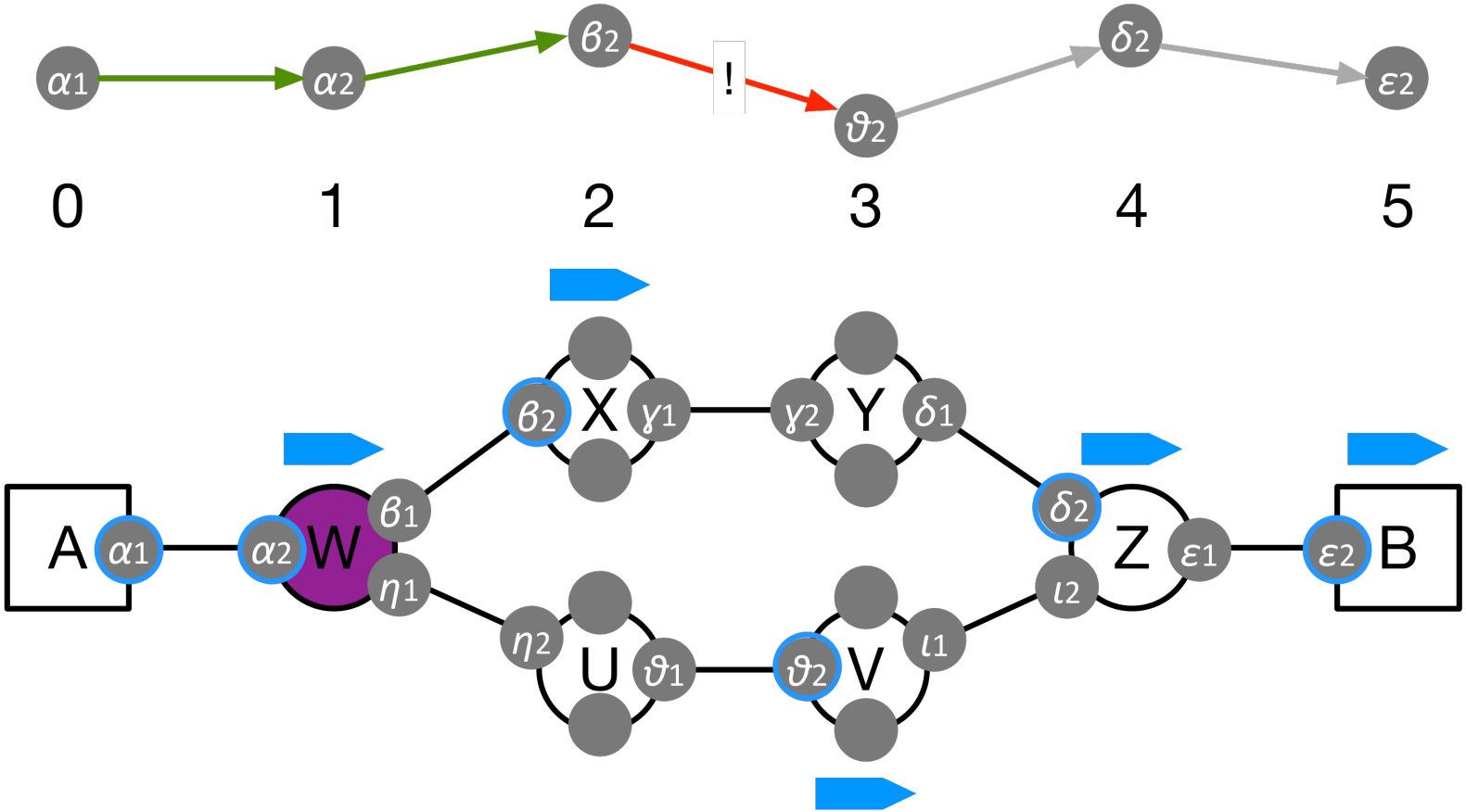

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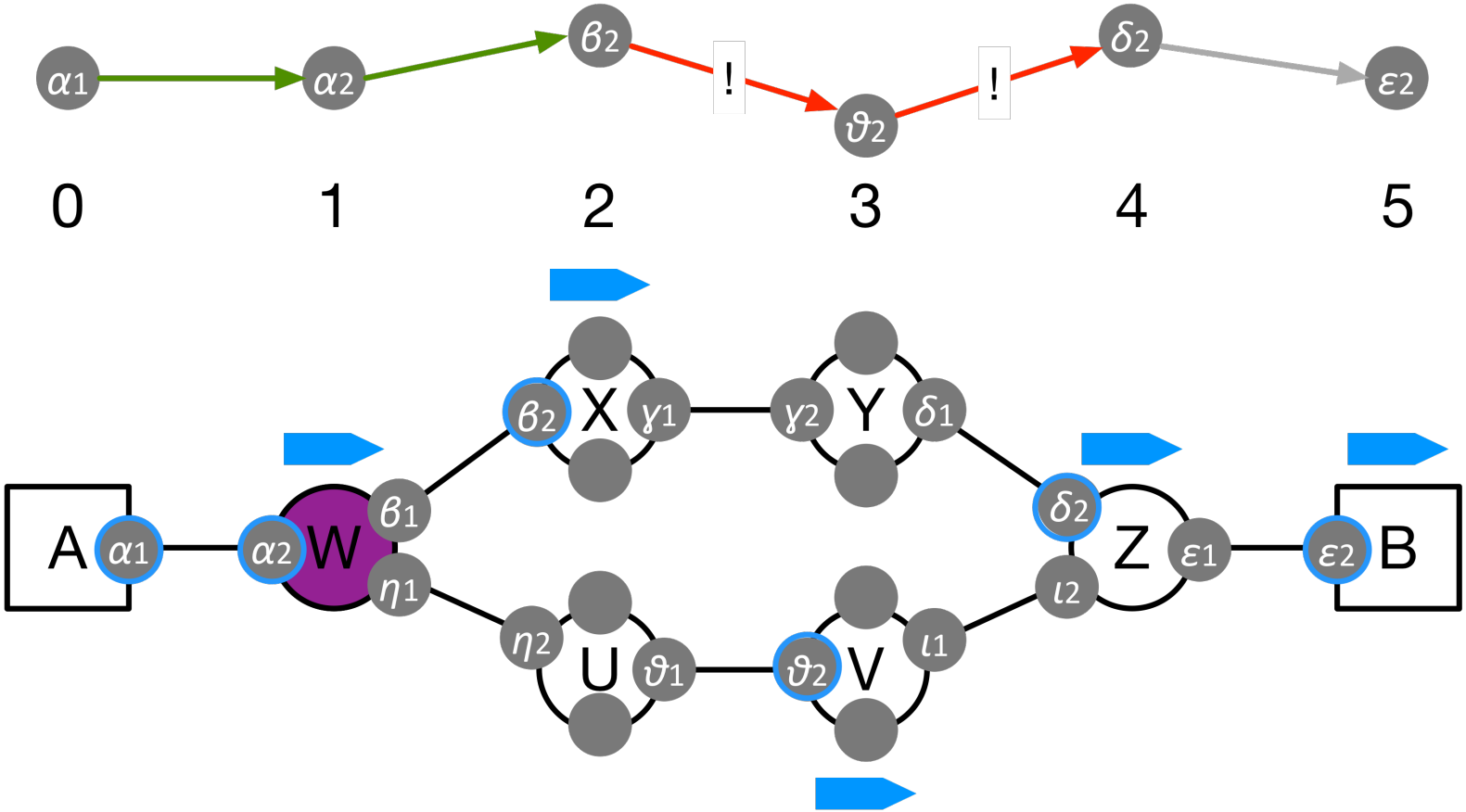

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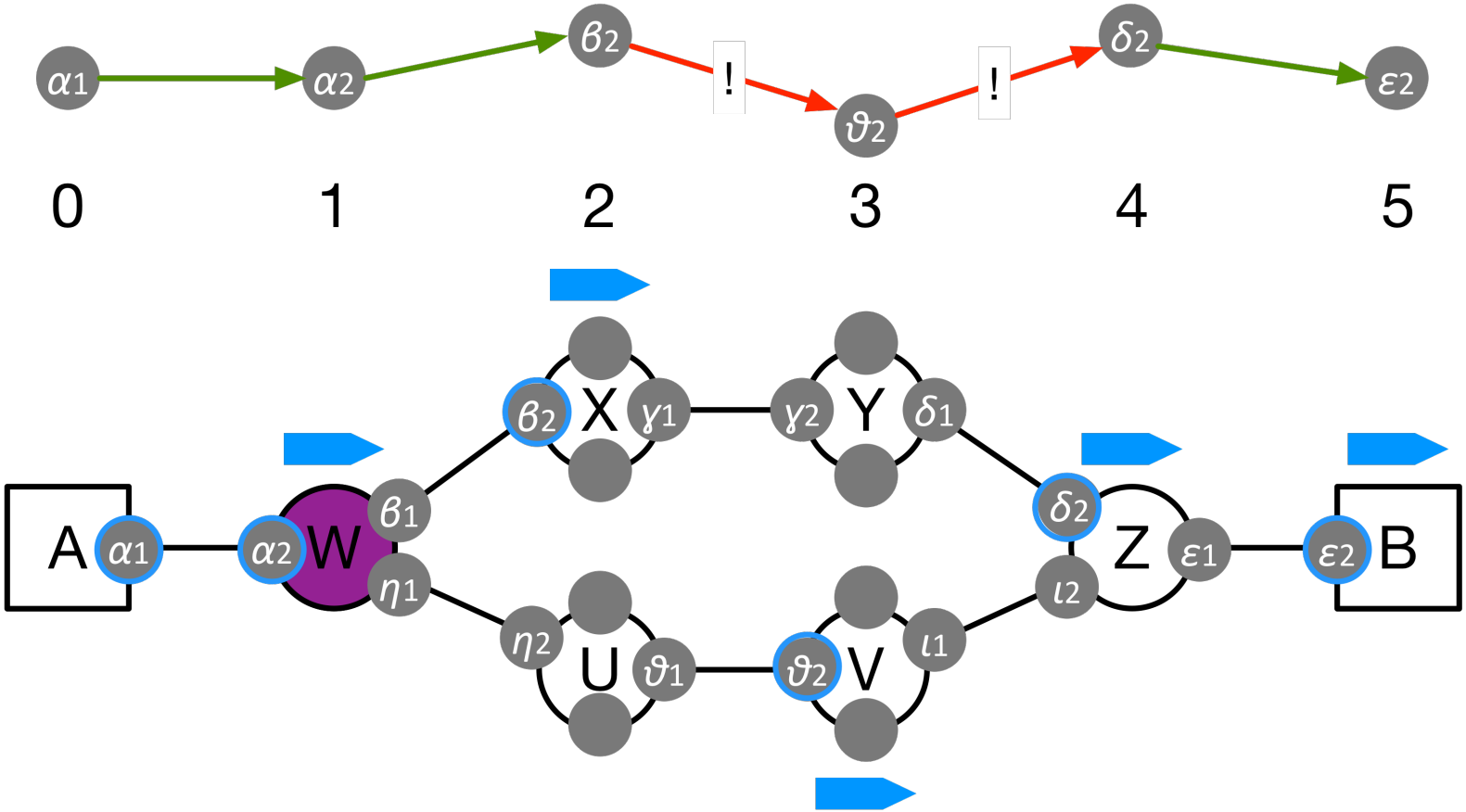

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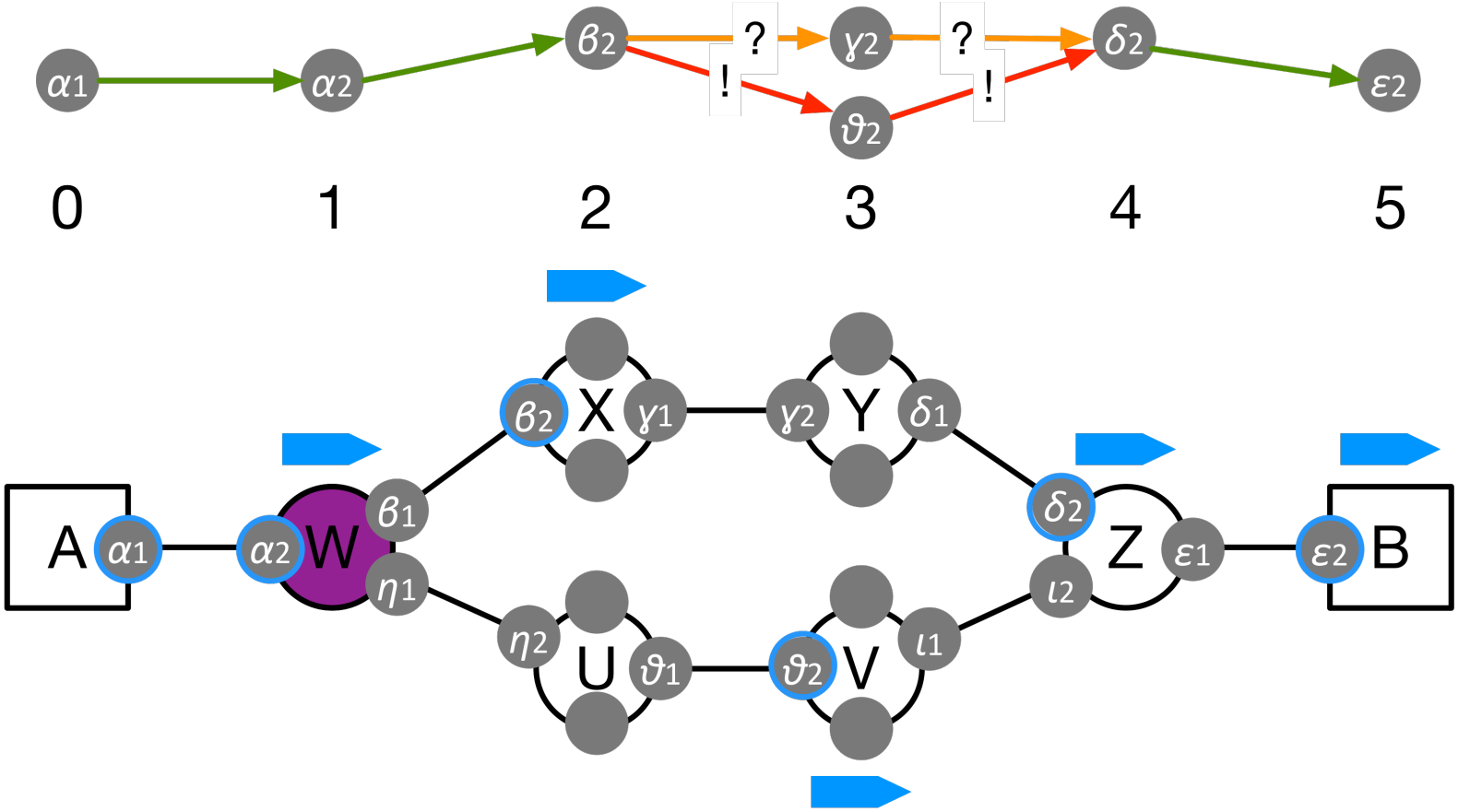

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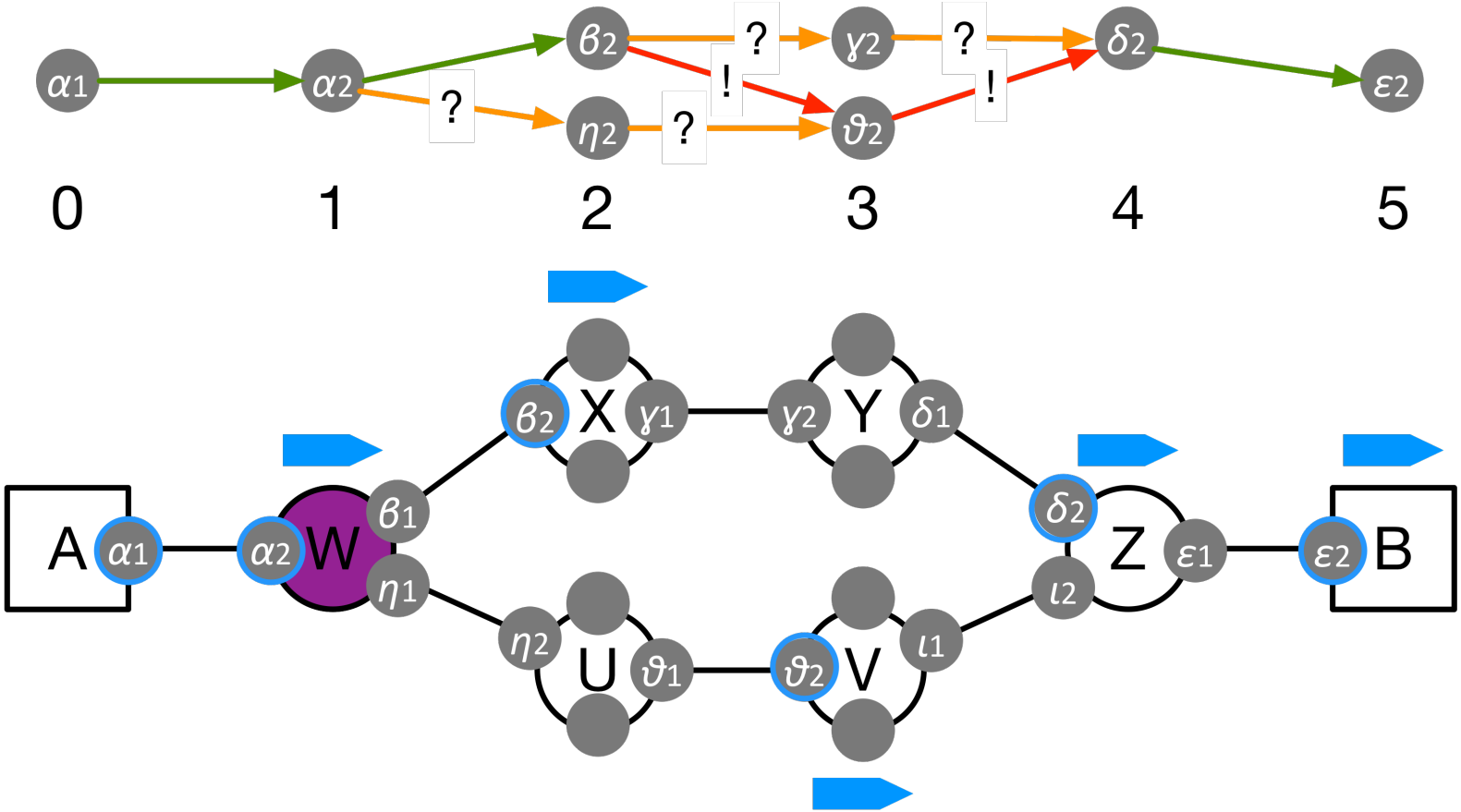

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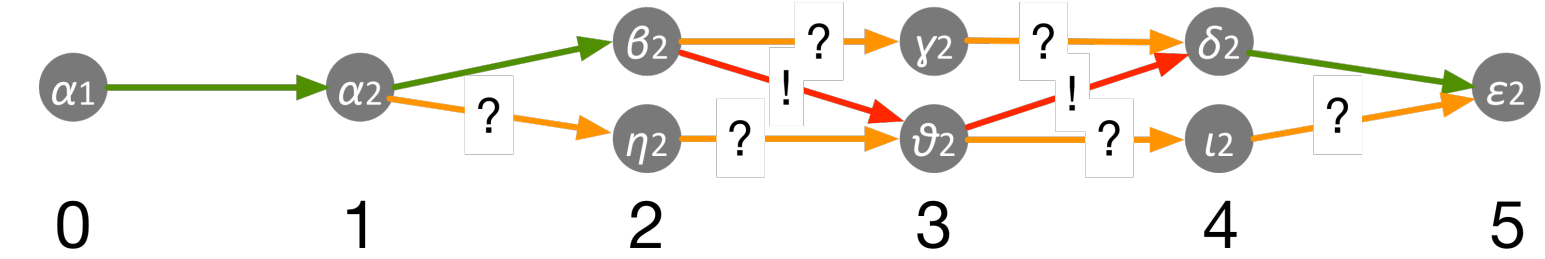

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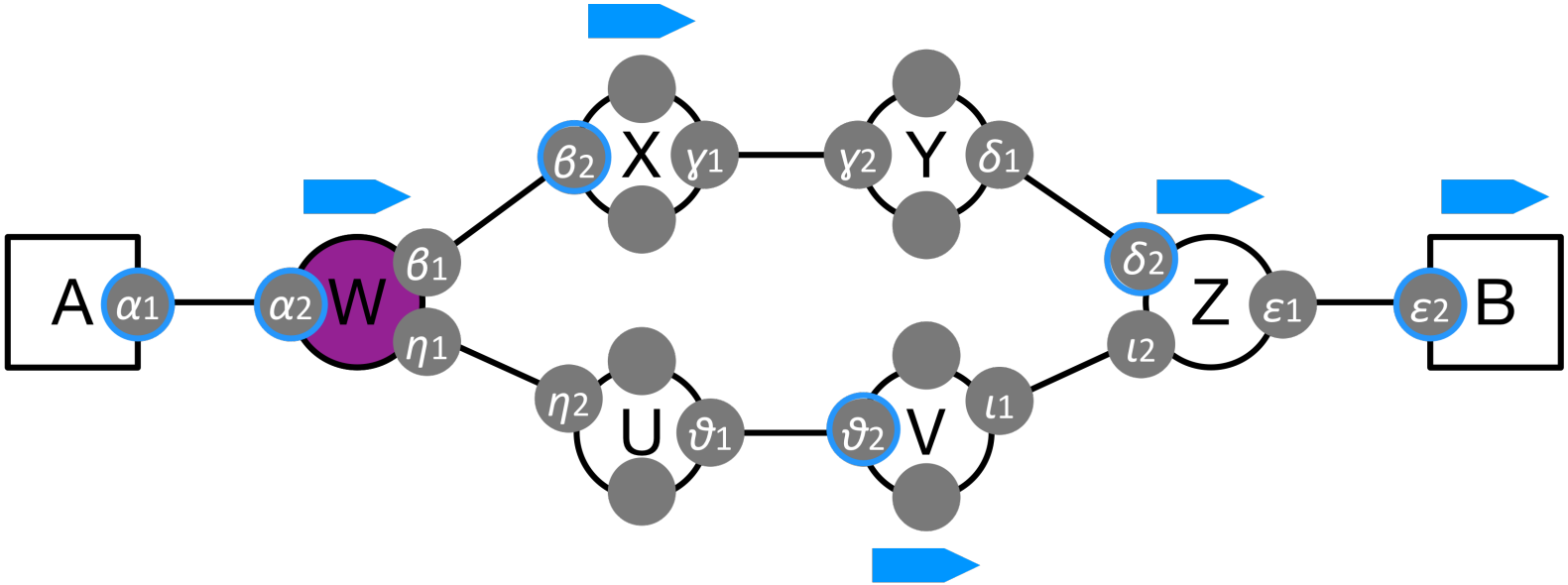

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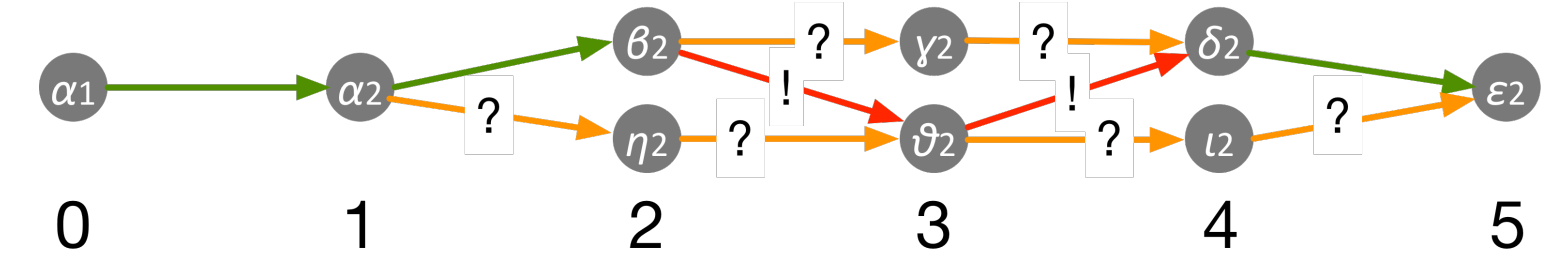

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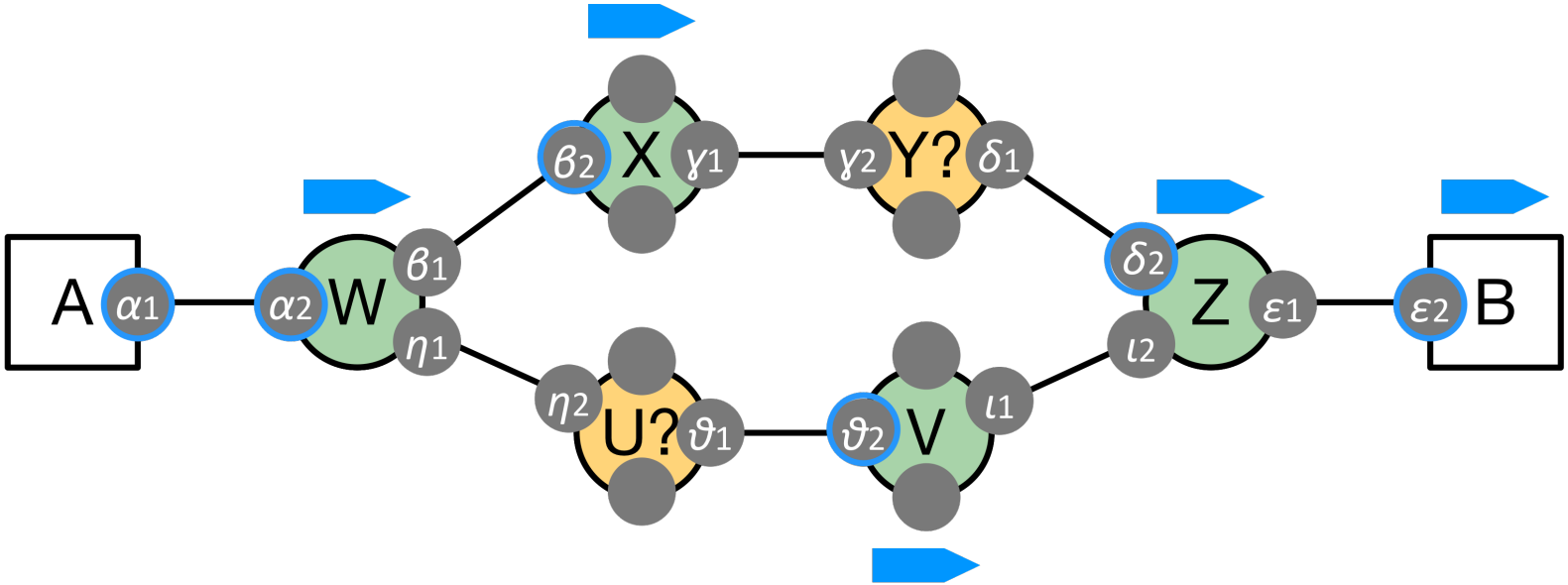

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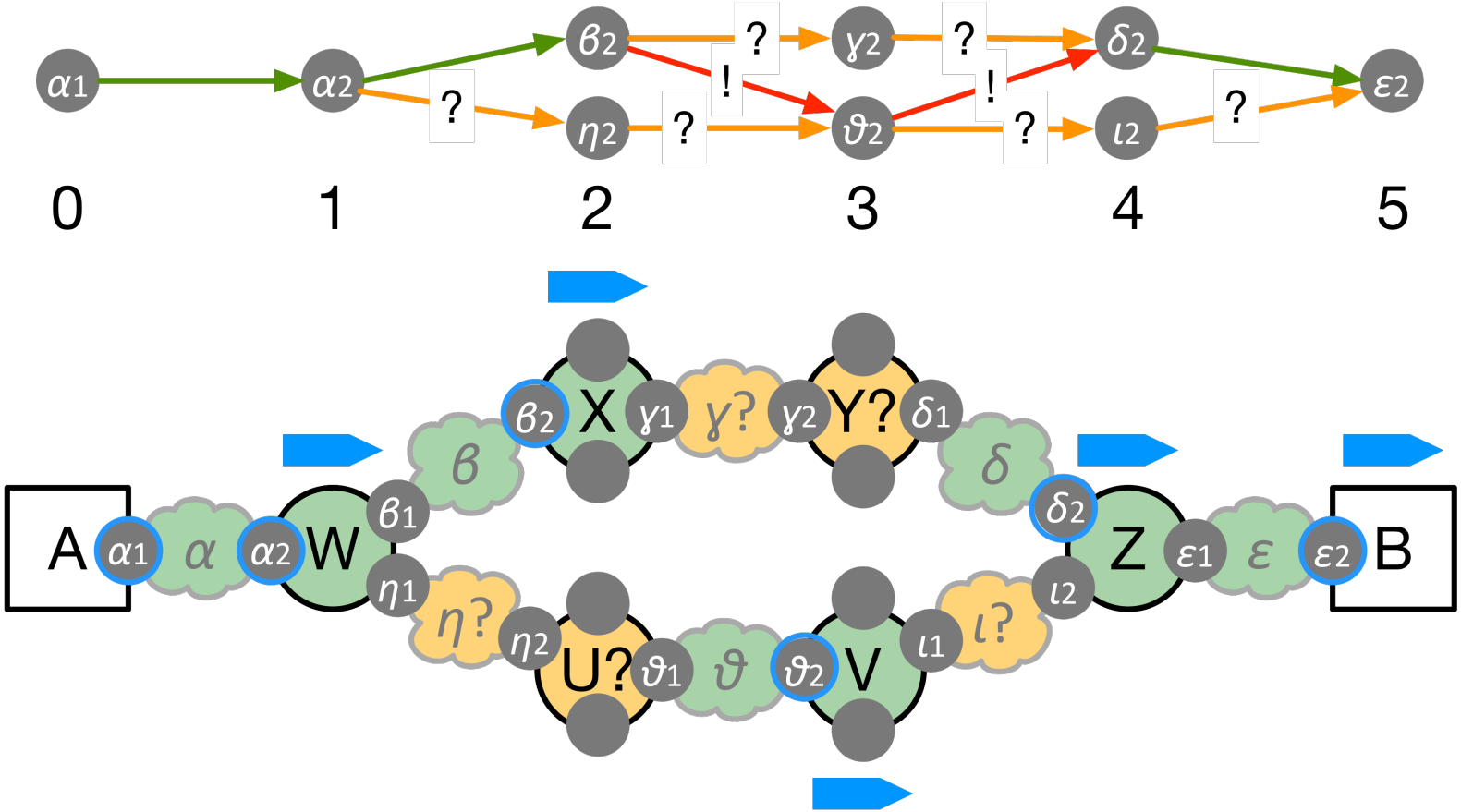

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Traceroute - load balancing

- Per-flow load balancing
  - Problem: Traceroute changes the flow identifier with each probe
  - Solution: Paris Traceroute
- Per-packet load balancing
  - Nothing to be done
  - Fortunately, less frequently encountered