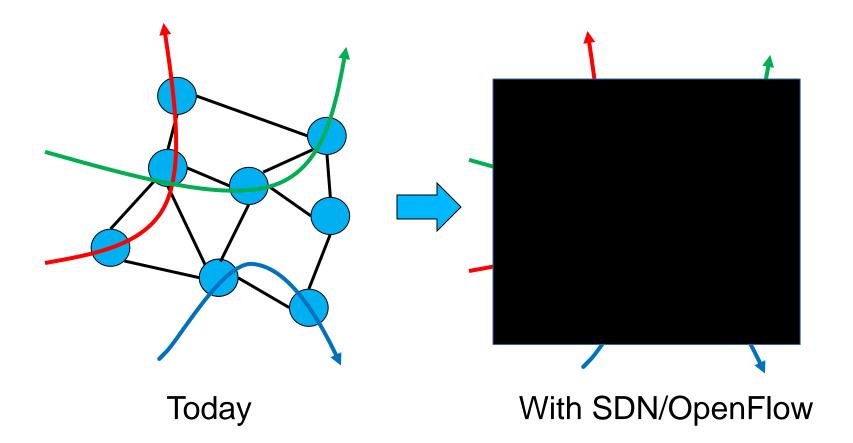


Optimizing Rules Placement in OpenFlow networks: Trading routing for better efficiency

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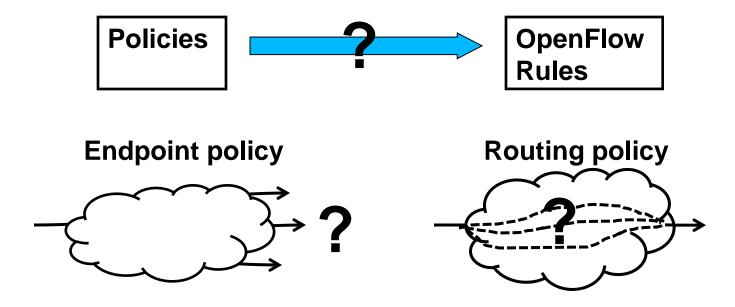
Motivation



Manual configuration, Complicated, Error prone Blackbox: Abstraction, High-level policies

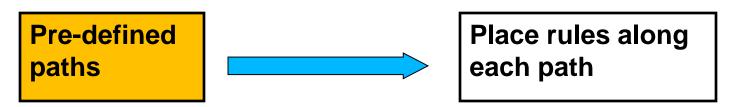


OpenFlow Rules Placement Problem



Challenge: Memory limitation

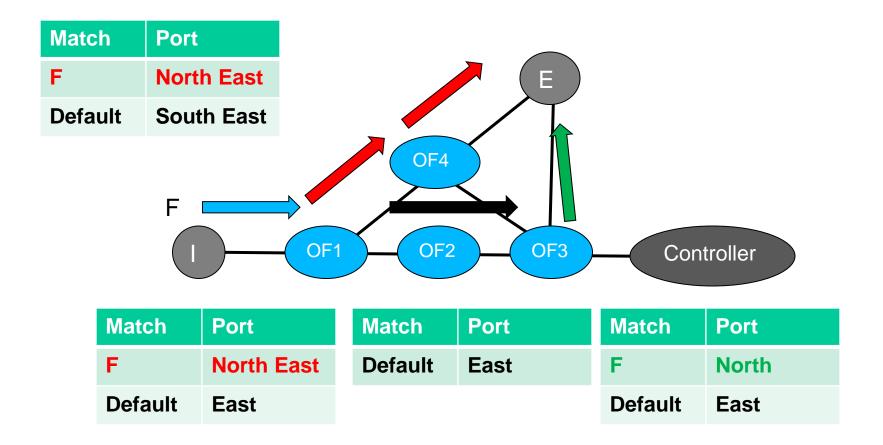
Recent solutions: Network-wide Optimization





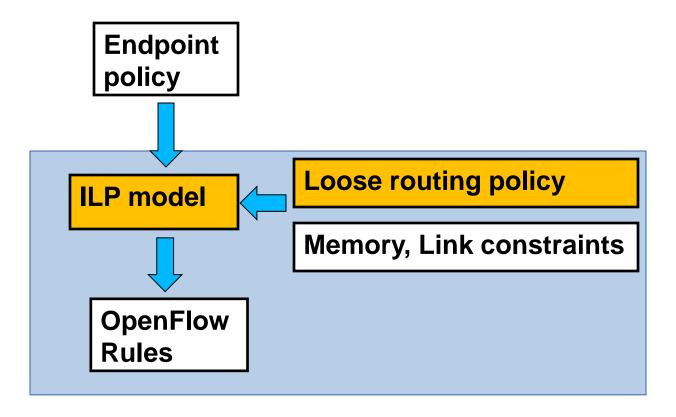
Trading routing for better efficiency

Loose routing policy: no loops, no memory and link overload





Our Methodology



Outperform existing solutions in memory-constrainted networks



Thank you! xuan-nam.nguyen@inria.fr

