

즞 Osaka University

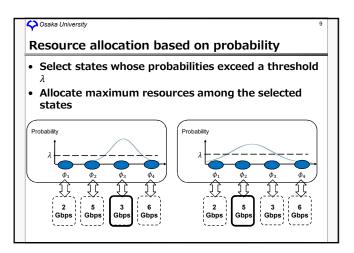
Metric and compared methods

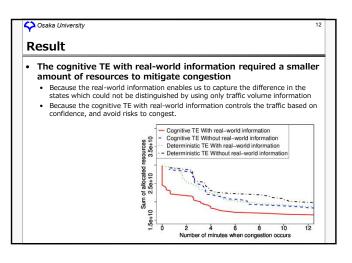
Metric

Required amount of resources so as to make the number of time slots in which congestion occurred less than a threshold

Compared method

Name	Used information	Method to determine
Cognitive TE with real-world information	Traffic volume and number of users	Inspired by cognition process of brain
Cognitive TE without real-world information	Traffic volume only	Inspired by cognition process of brain
Deterministic TE With real-world information	Traffic volume and number of users	Use only the current information
Deterministic TE With- out real-world information	Traffic volume only	Use only the current information





🔷 Osaka University

Conclusion

 We proposed a predictive traffic engineering method that predicts future traffic by using information monitored in the real world.

13

- The results demonstrated that our method avoids congestion without requiring a large amount of additional resources
- Future work
 - Optimize of the parameter settings of our method
 - Evaluate our method in a different environment