# Summary

# Combining TopN (N-Best)

## Binary Switch Model

In this approach, the classifier will make a binary decision about whether the corresponding NLU is correct or not.

Therefore, the binary choice can serve as a binary switch to control whether to pick up the NLU or not.

In this method, all of NLU used the top ASR [It is not straightforward to get which ASR the NLU comes from. For example, the second NLU is not necessarily coming from the second ASR.]

### Result

Top3 Model

First Correct

## Bayes Rules Model

* Error Correction

Class-Based Model

HMM Model

Method Classifier

* Add slot-name into feature
* Differentiate System and User Acts