## PRESENTATION OUTLINE: — Parallel String Matching —

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### 1 Slice 1: What is string matching problem

- Important definition
- Overview and motivation

## 2 Slice 2-3: General sequence algorithm

- Brute force
- KMP
- KR
- Shift-or

# 3 Slice 4-5: previous parallel research

- reference
- reference analysis
- reference conclusion

### 4 Slice 6-8: how to parallel string-matching problem

- ullet split input parallel computing
- parallel algorithm action
- hardware parallel

#### 5 Slice 9-10: Parallel over cuda

- how to implement in cuda
- implement algorithm

# 6 Slice 11-17: My implement parallel algorithm and examination

- algorithm implement
- examination setup and result

#### 7 Slice 18: Summary and Conclusion

- examination evualuate
- Comparison of other architectures

#### 8 Slice 19: Three Questions

- What is patten and text?
- How many algorithms implemented in my exam?
- Which algorithm has the best value?