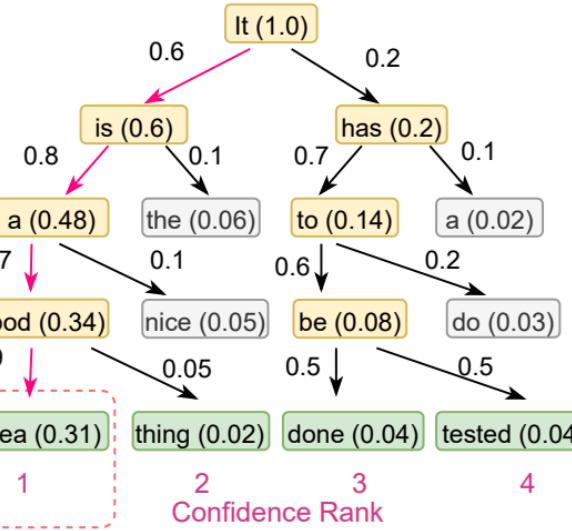


Expanded nodes at this layer    Unselected nodes at this layer    Leaf nodes

## 1 Draft Model Drafting

Expansion phase ( $d = 5$ , Top- $K=2$ )

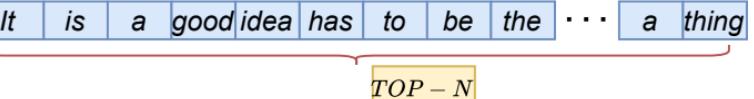


$P^*$

$\Phi(P^*)$

## EAGLE-3

Reranking phase ( $Top-N = 20$ )



Candidate path

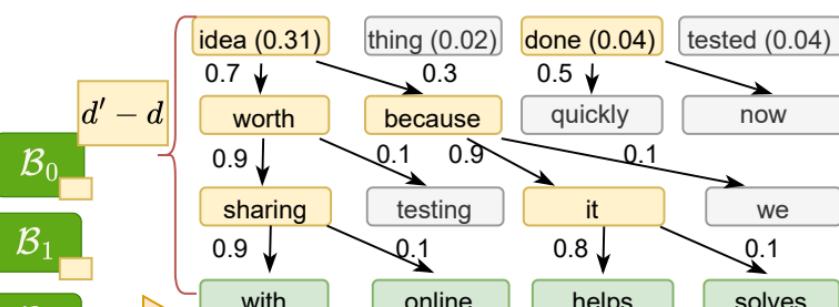
- 1 It is a good idea ✓
- 2 It is a good thing ✗
- 3 It has to be ✗
- 4 ... ✗



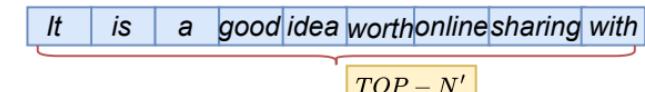
Acceptance Length = 5

## HeteroSpec

### 4.1 Dynamic Extended Drafting



### 4.2 Top - $N$ Pruning



Candidate path

- 1 It is a good idea worth sharing with ✓
- 2 It is a good idea worth sharing online ✗
- 3 ... ✗



$\Phi(P^*)$

### 4.3 Dynamic Computational Adaptation

## 2 Contextual Complexity Quantification

Sec 4.1

## 3 Adaptive Decision Framework

Sec 4.2

## 4 Coordinated Adaptive Optimization

Sec 4.3

## 5 Target Model Verification