

# Beam Search Example: "The cat..." (Width=3)

**START: "The cat"**

sat  
0.45

jumped  
0.30

walked  
0.25

*Expand each*

on  
0.2

down  
0.1

still  
0.09

**"The cat sat on"**  
**Score: 0.225**

- Key: At each step
- Score all candidates
    - Keep top 3
    - Prune rest
    - Repeat