

Step 1: Prune "A"  
( $P=0.3$ )

Beam search is GREEDY:  
Once pruned, paths are lost forever

Step 2: Continue with "The"  
All descendants are "The ..."

Step 3-10: Still following  
"The cat sat ..."

Realize: "A small cat purred"  
would have been better!

No way back!

PROBLEM:  
Cannot recover!  
Path starting with "A" is gone forever.