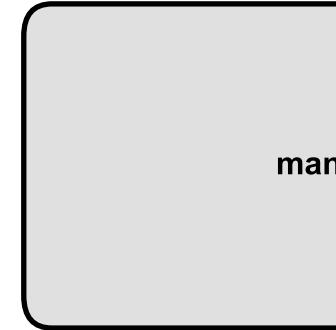
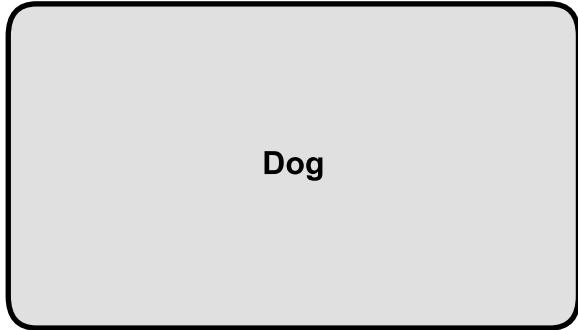


The Position Problem: Order Matters!

Without Position: Same Attention Pattern!

Self-attention treats these as identical!



With Position: Different Patterns!

Position encoding preserves word order!

