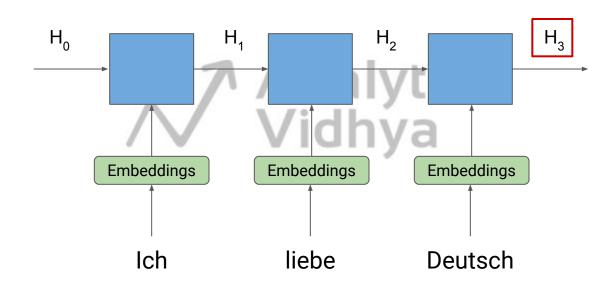
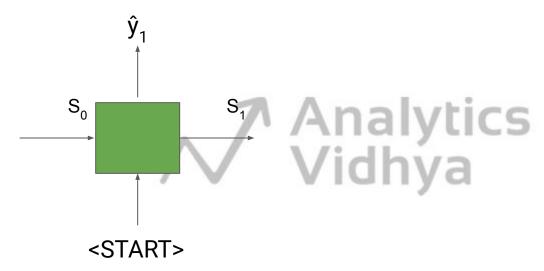
Understanding Attention Mechanism





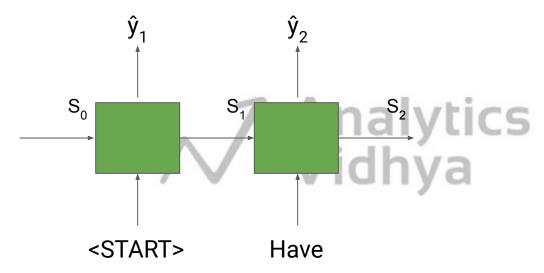


Target: Have your cake



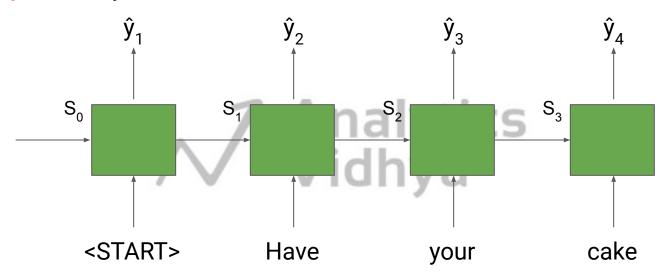


Target: Have your cake

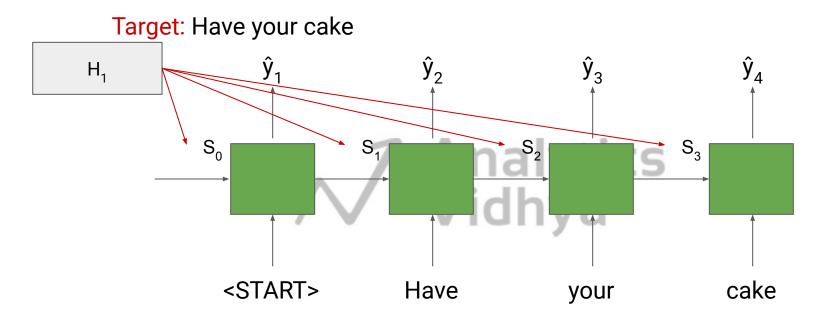




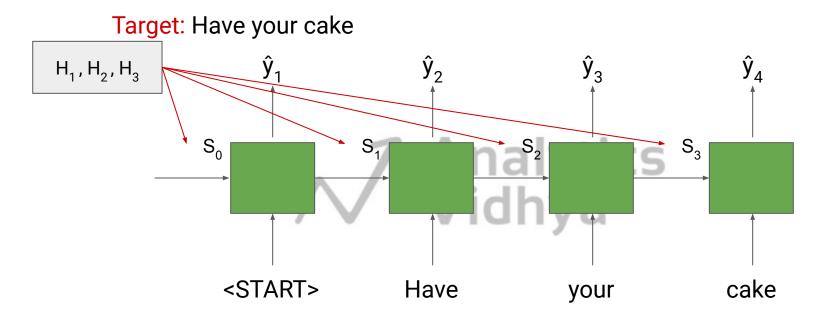
Target: Have your cake





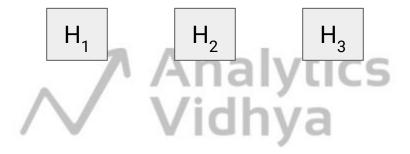








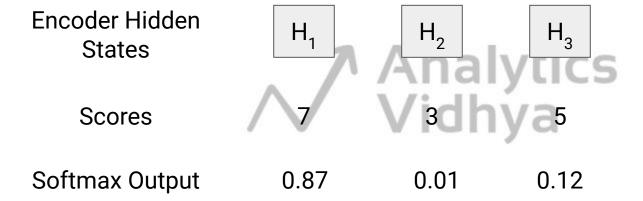
Encoder Hidden States



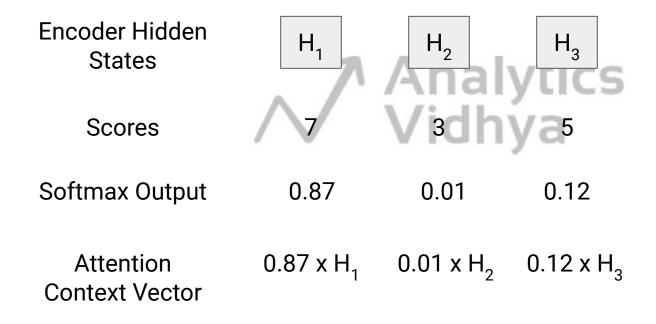


Encoder Hidden States H_1 H_2 H_3 Scores H_3 H_4 H_5 H_5 H_5 H_5 H_5 H_6 H_7 H_8 H_8

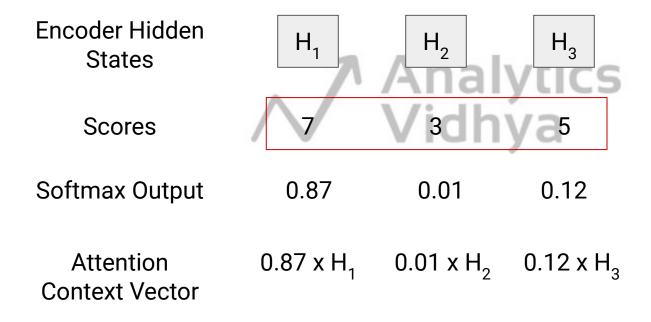






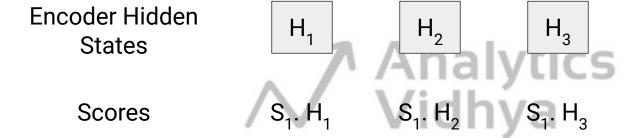








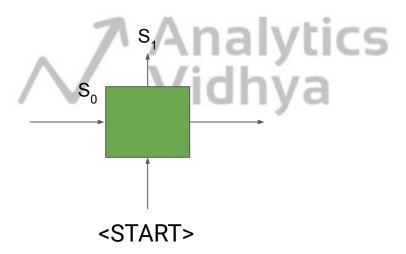
Attention Score Calculation





Attention Scores = $f(S_1, H_t)$

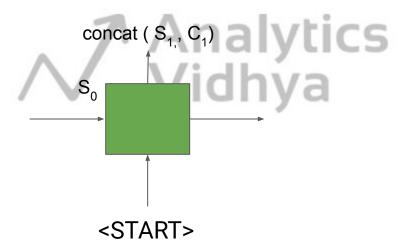
Context Vector = C₁





Attention Scores = $f(S_1, H_t)$

Context Vector = C₁

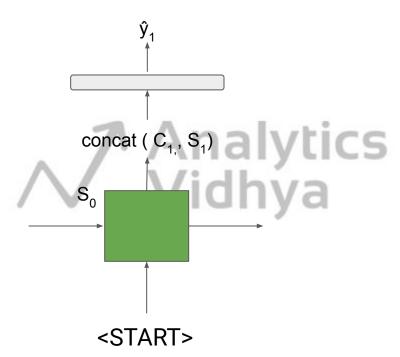




Attention Scores = $f(S_1, H_t)$

Context Vector = C₁

 $\hat{y}1 = Softmax(tanh([C_1:S_1])$





Attention Scores = $f(S_2, H_t)$

Context Vector = C₂

 $\hat{y}2 = Softmax(tanh([C_2:S_2])$

