

Sequence to sequence models

Refinements to beam search

Length normalization
$$P(y^{(t)}, y^{(t)}, y^{(t)}, y^{(t)}) = P(y^{(t)}, y^{(t)}, y^{(t)}, y^{(t)}, y^{(t)})$$

$$P(y^{(t)}, y^{(t)}, y^{(t)$$

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Beam search discussion

1-3-7 (0, 100,

large B: better result, slower Small B: worse result, faster Beam width B? 1000 > 3000

Unlike exact search algorithms like BFS (Breadth First Search) or DFS (Depth First Search), Beam Search runs faster but is not guaranteed to find exact maximum for arg max P(y|x).