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Attention (Long raige shore than money) (Recurrent heural Netrunk) Cell state Cell

+() Reader # 12 (3) Ess y= f(c) 1/2 = f(c, y,) y3 = f(c, y, y2) Affection 注目方 時刻と、y, を出かする確立 decoder Miller State p(y, 1y, ys - y-1)=9(y, 1, 5) Attention meight Matrix Si = f(si-1, gi-1, ci) difficial adtention weight dij = Joftmax (eij) = esp(eij) eij=X'cyon allmannere 值

eij = a (si-1, hi)

Self-attention

Google - < Aftention is all you heed? Transfermer - self-attention instead of conv. Self attention - > D= HD Aftertion $(Q, K, V) = Soft \max(\frac{QK^T}{Vac}) \cdot V$ initial embedding XI W = Value Matrix. 91 - KaT = S12 Softmax (V = selt attention dk = dimension of query / Key