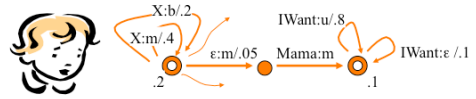


More FST Examples

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1

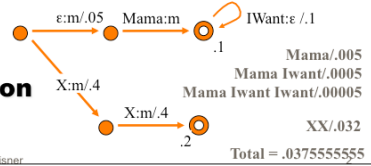
An FST: Baby Think & Baby Talk



observe talk



recover think, by composition



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Joint Prob. by Double Composition

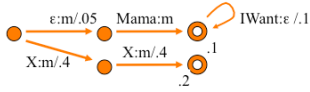
think



talk



compose



$p(\Sigma^* : mm) = .0375555 = \text{sum of all paths}$

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3

Summing Over All Paths

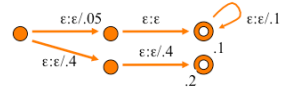
think



talk



compose



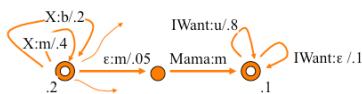
$p(\Sigma^* : mm) = .0375555 = \text{sum of all paths}$

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4

Summing Over All Paths

think



talk



compose + minimize



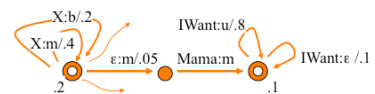
$p(\Sigma^* : mm) = .0375555 = \text{sum of all paths}$

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5

Summing Over All Paths

think



talk



compose + minimize



$p(\text{Mama Iwant} : mm) = .0005 = \text{sum of all paths}$

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