

# Sketch of learning algorithm

## 2. Likelihood maximization for the incomplete data:

$$p(f|e, \Theta) = \sum_a p(f, a|e, \Theta) \rightarrow \max_{\Theta}$$

## 3. EM-algorithm to the rescue!

*Iterative process:*

- E-step: estimates posterior probabilities for alignments
- M-step: updates  $\Theta$  – parameters of the model