$\frac{1}{Z} \sum_{x_j} \exp[\psi_c(x_j)] \mid x_j = y_t$

$\frac{1}{Z} \exp[\psi_g(v_i)] \mid v_i = y_t$

X

$X \cap V$

V

unk

$\frac{1}{Z} \left(\sum_{x_j} \exp[\psi_c(x_j)] + \exp[\psi_g(v_i)] \right) \mid x_j = y_t, v_i = y_t$

$\frac{1}{Z} \exp[\psi_g(\text{unk})]$

*Z is the normalization term.