```
?
???
???
???
                                                   \dot{v}isScore = p(S|vid)*p(V_{orig}|vid)*sim(V_{sim}, V_{orig})*p(O|vid)
                                                   score = w_1 * visScore + w_2 * nlpScore
(2)
                                            V_{sim}
V_{s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    \phi_{k,l}(t,s) = p(l=s|k=t) = \alpha p_0(l=s|k=t) + (1-\alpha)p_i(l=s|k=t)
(3)
                                            \begin{array}{l} t = \\ c) = \\ & \underset{\text{exp}(W_{zc}z_{t,c} + b_c)}{\sum} \\ \overline{T}_{c' \in C} & \overset{\text{exp}(W_{zc}z_{t,c} + b_c)}{\sum} \\ \overline{W}_{c' \in C} & \overset{\text{exp}(W_{zc}z_{t,c} + b_c)}{\sum} \\ \overline{Y}_{c' \in C
                                            b_{o}) = b_{c} = \phi(W_{xc}x_{t} + W_{hc}h_{t-1} + b_{c})c_{t} = f_{t}*
                                      \begin{array}{l} J_{t}^{*} \\ c_{t-1} + \\ i_{t}^{*} \\ g_{t}h_{t} = \\ o_{t}^{*} \\ \phi(c_{t}) \\ \vdots \\ f_{c_{7}} \\ f_{c_{6}} \\ d_{t}^{*} \\ \vdots \\ T_{T}^{*} \\ T' \\ T' \\ V \\ W \\ t \\ \log P_{V,W}(y_{t}|x_{1:t},y_{1:t-1}) \\ \vdots \\ V \\ V \\ V \\ f_{r}^{*} \\ \vdots \\ V \end{array} 
                                                      \ddot{c}_{t-1} +
```