$$f_{*}^{t-m} \longrightarrow LSTM \longrightarrow h_{t-m}$$

$$f_{*}^{t-m+1} \longrightarrow LSTM \longrightarrow h_{t-m+1}$$

$$\vdots \qquad h_{t-1} = s^{t} \quad f_{i}^{t}$$

$$\downarrow LSTM \longrightarrow r_{i}^{t}$$