

Outputs

y_{t-1}

y_t

y_{t+1}

h_{t-1}^b

h_{t-1}^f

h_t^b

h_t^f

h_{t+1}^b

h_{t+1}^f

**Backward
layer**

\overleftarrow{LSTM}

\overleftarrow{LSTM}

\overleftarrow{LSTM}

...

...

**Forward
layer**

\overrightarrow{LSTM}

\overrightarrow{LSTM}

\overrightarrow{LSTM}

Inputs

x_{t-1}

x_t

x_{t+1}

