

Layer	Parameter	Shape
1st LSTM layer	$\mathbf{W}_f, \mathbf{W}_{\tilde{c}}, \mathbf{W}_i, \mathbf{W}_o$	[20, 5]
	$\mathbf{U}_f, \mathbf{U}_{\tilde{c}}, \mathbf{U}_i, \mathbf{U}_o$	[20, 20]
	$\mathbf{b}_f, \mathbf{b}_{\tilde{c}}, \mathbf{b}_i, \mathbf{b}_o$	[20]
2nd LSTM layer	$\mathbf{W}_f, \mathbf{W}_{\tilde{c}}, \mathbf{W}_i, \mathbf{W}_o$	[20, 20]
	$\mathbf{U}_f, \mathbf{U}_{\tilde{c}}, \mathbf{U}_i, \mathbf{U}_o$	[20, 20]
	$\mathbf{b}_f, \mathbf{b}_{\tilde{c}}, \mathbf{b}_i, \mathbf{b}_o$	[20]
Dense layer	\mathbf{W}_d	[20, 1]
	\mathbf{b}_d	[1]