

$$w_s^{(\ell)} \leftarrow w_s^{(\ell)} - \eta \frac{\partial E}{\partial w_s^{(\ell)}}$$
$$w_{s0}^{(\ell)} \leftarrow w_{s0}^{(\ell)} - \eta \frac{\partial E}{\partial w_{s0}^{(\ell)}}$$

