Por6 Haranbnow rendruxenul. Duene poul not autubaleur

$$SGD$$

$$O Q_{t=0}, B$$

$$Z^{(2)} = Q \left(Z^{(2)} \right)$$

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$$Z^{(3)} = Q \left(Z^{(2)} \right)$$

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[g(2)|-|(1) 4 tanh(Z) g(2) = tanh (2) 220=> tanh(7)≈ 2 0 x, ~ i.i.d. hi ~ isi,d. D 0; ~ i.i.d. h I O

$$Vo_{2}(\overline{e}_{i}) = Vo_{2}(\theta_{i}, h_{i}) =$$

$$= [E(\theta_{i}, h_{i})^{2} - (E(\theta_{i}, h_{i}))^{2} + (E(\theta_{i}, h_{i}))^{2} + (E(\theta_{i}, h_{i}))^{2} + (E(\theta_{i}, h_{i}))^{2} + (E(\theta_{i}, h_{i}))^{2} =$$

$$= (Vo_{2}(E(\theta_{i}, h_{i}))^{2} + (E(\theta_{i}, h_{i}))^{2} + (E(\theta_{i}, h_{i}))^{2} + (E(\theta_{i}, h_{i}))^{2} + (E(\theta_{i}, h_{i}))^{2} =$$

$$= (Vo_{2}(E(\theta_{i}, h_{i}))^{2} + (E(\theta_{i}, h_{i}))^{2} + (E(\theta_{i}, h_{i}))^{2} + (E(\theta_{i}, h_{i}))^{2} =$$

$$= (Vo_{2}(E(\theta_{i}, h_{i}))^{2} + (E(\theta_{i}, h_{i}))^{2} + (E(\theta_{i}, h_{i}))^{2} + (E(\theta_{i}, h_{i}))^{2} + (E(\theta_{i}, h_{i}))^{2} =$$

$$= (Vo_{2}(E(\theta_{i}, h_{i}))^{2} + (E(\theta_{i}, h_{i}))^{2} + (E$$

= Voz O. Vozhi

$$P = 0, h$$

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$$Z = Z = Z = 0, h$$

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$$g(z) \approx Z$$
 $Voz (g(z)) \approx Voz Z = m Voz \theta Voz h$
 $Voz (g(z)) \approx Voz h$
 $Voz h^{(l+1)} \approx Voz h^{(l)}$
 $g(z^{(l+1)}) = g(z^{(l+1)})$

m Vaz & Vozh ~ Vazh

Vor 0 2 m

JBE.