Assume: 0' = x, p(x') PS2) 2)  $\theta^{2} = \mathcal{L}_{2} \phi(x^{2}) + \mathcal{L}_{1} \phi(x^{2})$   $\theta^{3} = \mathcal{L}_{3} \cdot \phi(x^{3}) + \mathcal{L}_{2} \phi(x^{2}) + \mathcal{L}_{1} \cdot \phi(x^{2})$ Training: = SO = Ex; Q(x') where d; E E-titit3 An extending  $E \{ -d; 0; d \}$ Prediction: O o(x) Insight = ) only need to learn Mu all xi o from = Show to train It and find x; 2.  $x^{5}=\frac{1}{5}-\frac{3}{3}\left(x'+\phi(x_{1})_{2}+\phi(x_{3})\right)=\frac{1}{3}-\frac{3}{3}\left(x'+\chi(x_{1},x_{3})\right)$ =) diti = ((i+1)) - g(\(\xi\) \(\xi\)) \(\xi\) Zero Stale: di, = (1') - 8/2 g(0 o o (x')) = 1 - g(x(0, x')) = 1 -

and the previous Coaling up