Problém 10 W; =w; -7. 20.(4)  $J = \frac{1}{2} \sum_{i=1}^{N} e_i + \lambda \cdot \sum_{j=1}^{N} w_j^2$ layer K

2 Juji - 2 Juji 2 vi 2 vi

2 wj 27 - 2 (12 21) + 2 (12 21) 2 wig (2 2 14 2) + 2 wig (2 2 wig)  $= -\ell_i \cdot \varphi(v_i) \cdot \gamma_k + 2 \cdot \lambda \cdot w_i$ 

Problem 11 3-class nith one-hot Encoding ROC at the output we will have