Softmax to sigmoid

Cross\_entropy to binary\_crossentropy

Using sigmoid activation function will turn the multi-label problem to n – binary classification problems. So for each image, we will get probabilities defining whether the image belongs to class 1 or not, and so on. Since we have converted it into a n – binary classification problem, we will use the binary\_crossentropy loss. **Our aim is to minimize this loss in order to improve the performance of the model.**