

Math Typos in Hahn & Rofin ACL 2024

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1. Definition of $\hat{a}$ (Section 2) should read

$$\hat{a}_{i,j}^{(k,h)} = \frac{\exp(a_{i,j}^{(k,h)})}{\sum_s \exp(a_{i,s}^{(k,h)})}$$

2. Lemma 13 should read:

For $k > 1$ and $q \in \{1, \dots, n\}$,

$$\sum_{j=1}^n \mathbf{I}_q[\hat{a}_{i,j}^{(k,h)}] \leq 2 \exp(4C_A^{(k)}) \left(\mathbf{I}_q[y_i^{(k-1)}] + \frac{1}{n} \sum_{j=1}^n \mathbf{I}_q[y_j^{(k-1)}] \right) \quad (1)$$

The extra sum is both included in the proof, and assumed in downstream use of this lemma.

Also, towards the end of its proof, $C_A^{(k-1)}$ should read $C_A^{(k)}$.

3. In Remark 14, $y_N^{(n)}$ should read $y_n^{(L)}$.

4. Lemma 18 should read

$$\mathbf{I}_i[y_j^{(k)}] \leq C^{(1)} \left(\prod_{l=2}^k C^{(l)} \right) \text{Blowup}_k(x) \text{Blowup}_k(x^{\oplus i}) \left(\frac{1}{n} \sum_{w=1}^n \mathbf{I}_i[Y_w^{(1)}] + \mathbf{I}_i[Y_j^{(1)}] \right) \quad (2)$$

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Please let me know if you find other typos!*