Simple Bound

- ► Use uniform initial weights $w_i^1 = 1/N$
- Total Weight is at least the weight of the best expert.

$$L_A^T = -\log W^{T+1} = -\log \sum_{i=1}^N w_i^{T+1}$$
$$= -\log \sum_{i=1}^N \frac{1}{N} e^{-L_i^T} = \log N - \log \sum_{i=1}^N e^{-L_i^T}$$