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Algorithms and Uncertainty

Winter Term 2025/26

Tutorial Session - Week 11

Exercise 1:

Show that every no-regret algorithm in the experts setting has to be randomized. Consider the case $n = 2$ and for every deterministic algorithm construct a sequence such that $L_{\text{Alg}}^{(T)} = T$ and $\min_i L_i^{(T)} \leq \frac{T}{2}$.