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GENERALIZED SECRETARY PROBLEM - DYNAMIC THRESHOLD
STRATEGY

There are N candidates applying for a single secretary position. The candidates are interviewed in a random order. After each interview an irrevocable decision to accept or reject the current candidate is made. Once a candidate is accepted, no more interviews are arranged. All candidates are partially ordered according to their qualifications, but their positions, in the poset of candidates interviewed so far, are not known before the interview. The objective is to maximize the probability of accepting one of the best candidates. We are going to discuss a new strategy for the problem (Dynamic Threshold Strategy), which outperforms the best universal strategy known so far (Preater's strategy).