

RND-4: TRADE-OFF ????????/???????? ? HYPEX MATCHER ??? ?????????? FAISS

???????? ? ?????????

??? matching-???? ? HypEx ????? ?????? nearest-neighbor ? ???????? latency ? recall.
????????? ?????????? baseline ? ANN-???????? ?? ????????????????? ?????????????.

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? H1: exact-???? ?????? recall, ?? ????? latency ?? ?????? N.
? H2: approximate-???? (faiss ??? ??????) ?????? latency ????? ????????????????? ??????
recall@k.
? H3: ??? ?????? N ?????????? ?????????? ?? exact numpy baseline.

???????????? ? ????? ?????????????

?????????: ?????????? ????? N x D ? ?????? ?????????? Q x D. ??????:
? recall@k ?????????????? exact-????????,
? latency ?? ?????? ?????????.

???? faiss ??????????, ????????????? graceful fallback: ?????????? exact ?????? ?????? ?
approximate random-projection shortlist ?? numpy.

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? ????????? ?????????? bench ? ?????? latency vs recall. ?? ?????????? fallback-ANN
????????????? trade-off: ?????????? ??? ?????????? ?????????? recall.

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? ??? ?????? ?????????? (?? ~50k) ? ?????????? ??????????: exact (numpy/faiss Flat).
? ??? ?????????? ??????????: ANN ? ?????????????? ?????????????? ??? ???????? recall.
? ? production ?????????? dual-mode: ?????????? ANN + ?????????????????? exact-????? ?????????.

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? 'docs/CONTEXT_TZ.md'
? '01_bonferroni_aa_matching/report.md'