DISTRIBUTED INDEXING

For & neb-scale indexing, it is important To bolonce the worklood between different machines, due to the massive size and the Foult-prone notine of a single madrine. 1) Divide the indexing into a set of parallel Tosics: The parsing took and the inverting took 2) A moster machine ossign each toste to pool of slave machines There are Two types of portilining, executed by the porsing machines: Term-bosed partitioning Each Slave machine contains a partitions of terms and their corresponding posting lists. Therefore, the rated to the carrect inverter machine. ASSIUN TAJER. - ---: کومناز م

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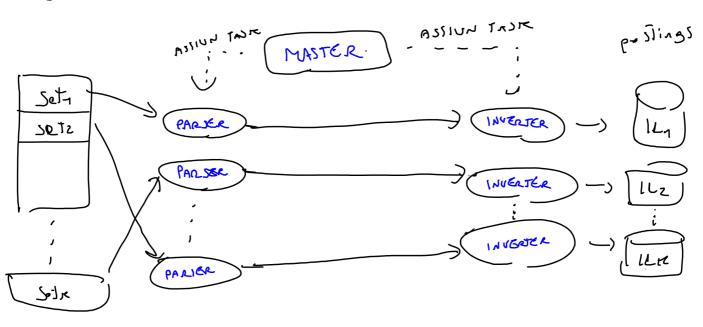
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DOC-BASED PARTITIONING

Esch slove markine contains the inverted index of a subset of documents. Therefore, the grevies go to all inverted markines, and the result provided to the user may be the join of provided to the user may be the join of results coming from multiple markines.



Term-based allows for greater in concurrency but in predice :T's difficult to ensure good load bularcing and To allow for multiward queries.

Doc-based makes the latter problem less difficult, but requires a global appration of each query