Document stoneture: L) fields (special). Ly date. titles. (main title of the document/ Section titles). Index Hese special fields peparately L) larplement "exter 3,2 3,6 4,3 2:(195)] Louhignons words froming the ritle.

Pre computed scores 1,3.6, 3,2.2 hor does this help? 132/02 [3,2.2]- $\rightarrow 2,2.7 \rightarrow 3,2.3$

Abstract Model of Rauling for search / retrieval. Donay 5.2 fish 9.7 fish Fred's Tropical Fish Shop is the best. 4.2 tropoical V 3.4 tropoical place to find toophical fish at low, low S Ranking Sphopical fish 22.1 tospical fish 8.2 Seawood prices. phether you're 4-28 word function 2 chichlids bobing for a little fish 1 0.7 bashs. ora J bis fish we've topical, got phat you need. Ne even have fahe Seaweed for you fish tank (and little 1.2 incoming links. 14 Incoming links 0.2 update content 3 days since last up dated surfboards too) Quality features.] = document. Doc -> [9.7 4.2 22.1.

B -> [5.2 3.4, 9.9. .- / E Query feature (gi) R(8,0) = 29i(8)fi(0)

Troprical fish aquasium. Question(s): Plat is Size of the result set the for this query? July: "abe" -- hor many pages voill have all three forms. fa = frequency of the good 'à in the corpus. Lb = Loopies. of the rord b' in the for = frequency of the rord "c' in the
evolus.

accurance of a, b, e are independent & N

or tokens in corpus what is
the expected frequency of "a be"

a's occurrence = for/N pool of prob 6 6 6'5 " = fb/N = Se/N prob a c's abc ->? forb of occurrence of falk xfb/N xfe/N Expected frequency Sabe = N x (fa/N x fb/N x fe/N) = (fa. fb. fe)/N²

Indépendence assumption à bad.

Doc freq. Kosas 120,900 forpical 1,131, 855 figh 26480 aquanium 181885 breeding 18472 tropical fish tropical agrianium 55 36427 high breeding acquanium breedy 3/19 1529 topical fish agnosium 3629 topical fish boxeding P(anb). P(e/anb), -> chois P(anbnc) = min (p(c/a), p(e/b)) P(a(16). min [P(cla), P(clb)]

tag of sho too prical = fagnfish x min fagntripical, fish otropical stag = 19722× 1921/26840) -> S documents find out some C triplets. motead of preming 26480 docs (m) tead 10 / 3000 docs.

Ly 258 cases where (m) 3000 - 30