IRTM Assignments Task 2) Jelink-Mercer Smoothing P(q1d) oct II (xP(4kMd) +(1-1)P(4kMd))
1002 00011 = 0,01056 1=0,3 P(qld) = [0,3.18 + 0,7.26] - [0,3.18 + 0,7.16] = 0,00547 P(qldz)=[0,3.18+0,7 3/6]. To,3.48+0,7.1/6] dy > dr => document of is more tilely for the query higher value of his document of will be even more bleely because this means downers containing all query words are having a higher Expresability. lover value of 1: document of is just a little more likely because the lack, that or doesn't contain all gury terms is not as important as with a ligher value of 1. Task4) In the vector space model eductions and queres are represented by an If-idf vector. I To see how close a query is to a document we can calculate and soit the angles between query and each document. This however only describes how smiliar a query is to each downer 2 but not how relevant they achially are since It-idf weights are too only use the occurrence of the terns in the downers). On the other sale a me probabilistic model takes into account how relevant a document is for a given query since the terms in the downant vectors are weighted by their relevance. To contesticionly we could creek a invested index by shoring the document and their probabilities befor how likely a document is relevant given a term.

(exclude documents with P(d)=0)