A = {2,4,6} T3 (A) = {3,5,7} min T13 (A) = 3 B = {4,5,6} T3 (B) = {5,6,7} min T3 (B) = 5 every number has an chance to be the minimum of a permitation Lemotion. If a number is present in Both documents (sets) and one of the "rophs" permutations is applied, the minima match

2) cm elt can be min is Several 7/3

) when minima match an elt is in both sets

given a doc every elt has equal chance to be min, theave vandom

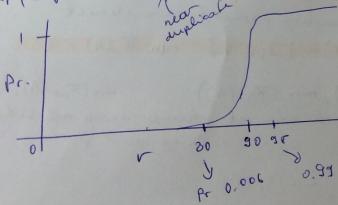
go tworgh 100 Ms to get an estimate of resemblance

Suppose true resemblance is r

2 90 matches o similar

L90 not

Pr (# of matches \$ 90 when recomblance = r) = (90) r (1-1) Pr (# of notches ? 90 when resolvance = +) = \(\frac{70}{4 = 90} \) (100) r (1-1)



(2 Turn a document into a set of As Four score and seven years ago. Theles some ca h=4 shingling: inho account then hash