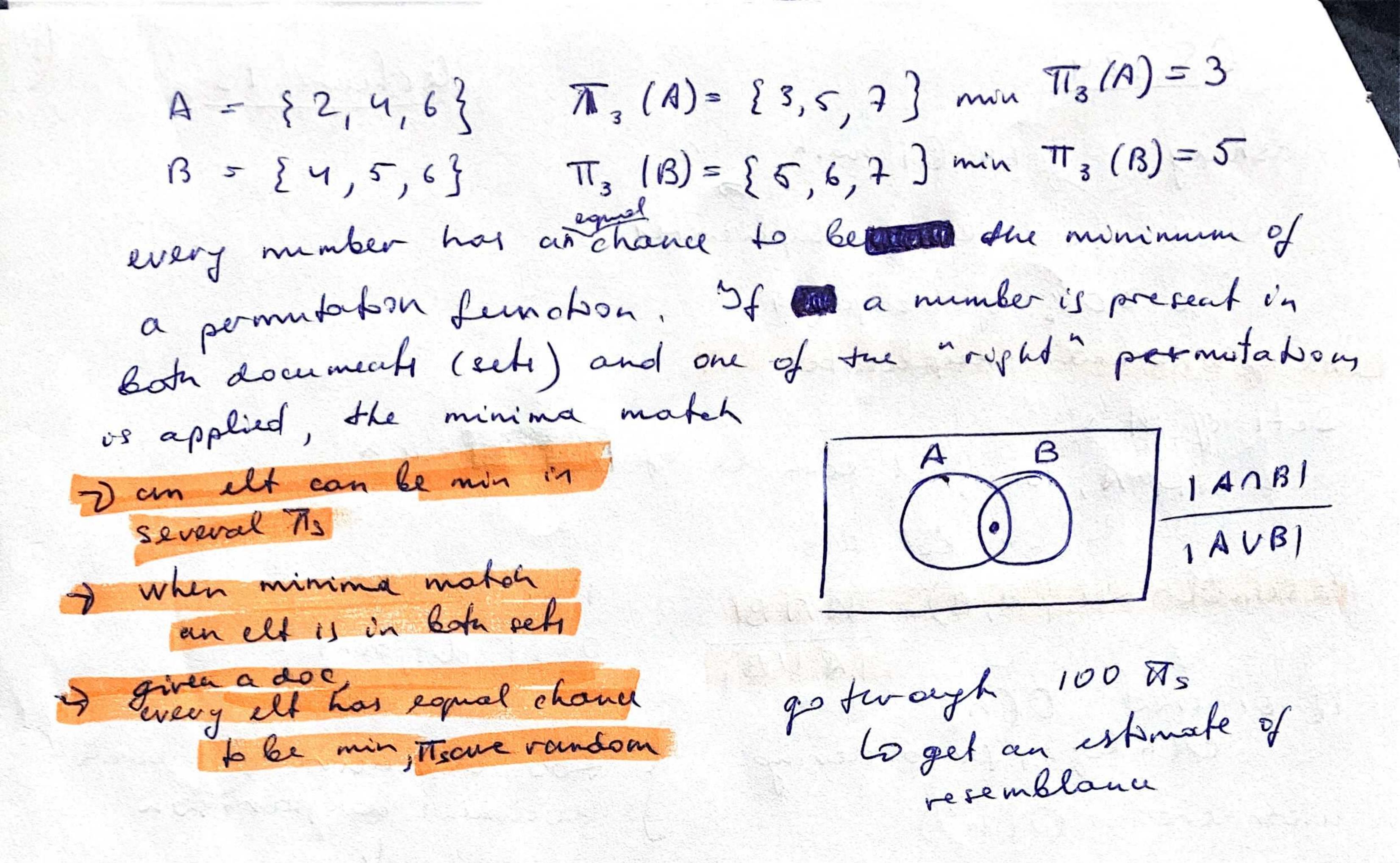
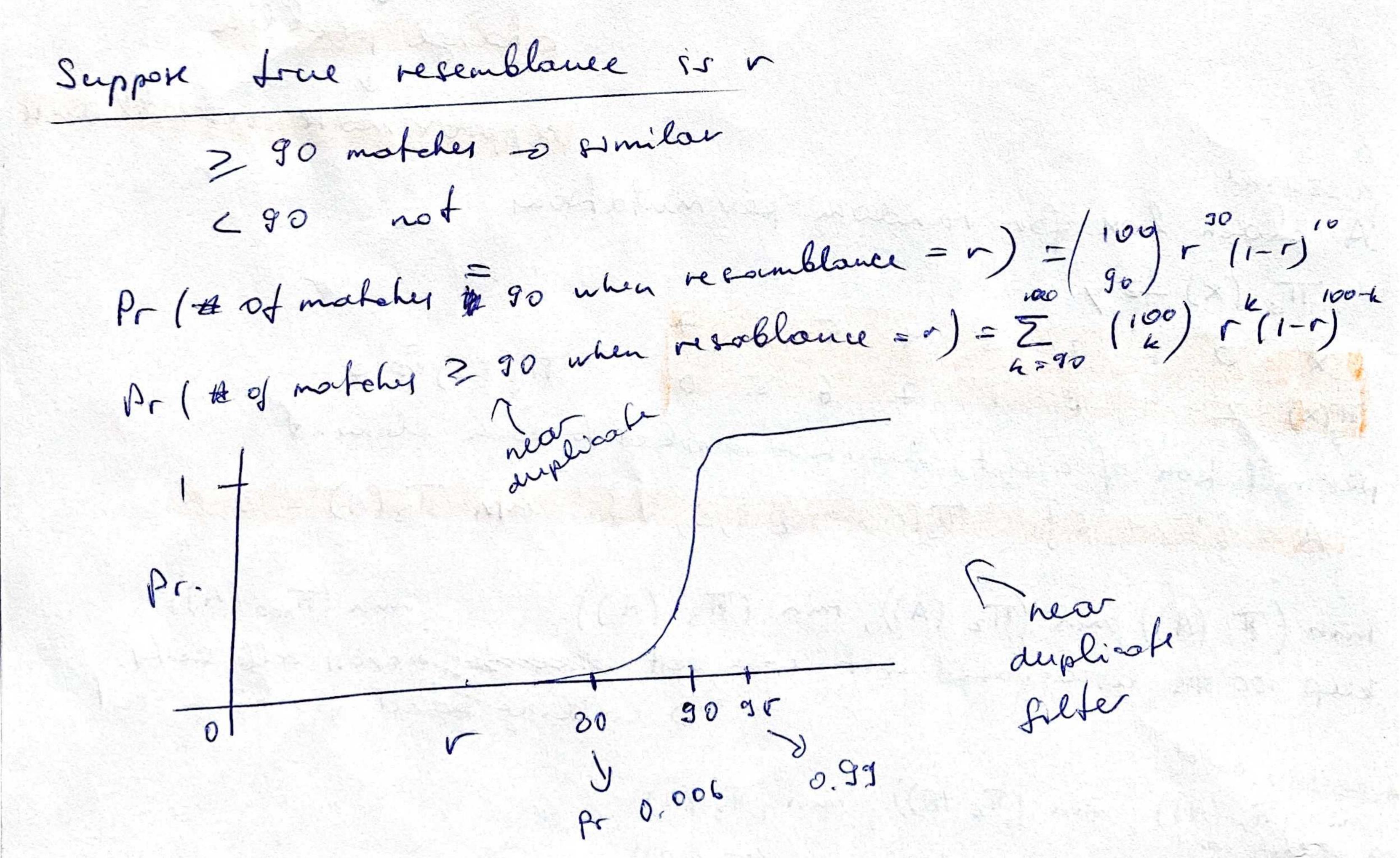
Cechure 13 CS 124 Hashing 564-bit hach ? Duplicate 1 nevar - duplicates = 30% of web pages Dealing with near-duplicales let som be of the n Set of A's 2 set A, B 1 if A = 13 Resemblance (A,B)= ANBI o it disjoint if ordered O(n)
O(aloga) for ordering Loo expensive for lock document nompanison unordered O(n2) change problem approximante resemblanu A black box for random permutations TT3 (x) -> y × 0 1 2 3 4 5 6 7 TT3 (2) = 3 T(x) 2 4 3 1 7 6 5 0 permutation of a set, function applied to each element $A = \{2, 4, 6\}$ $\pi_3(A) = \{3, 5, 7\}$ min $\pi_3(A) = 3$ min (F, (A)), min (TT2 (A)), min (TT3 (A)) ____ min (TT100 (A)) keep 100 As associated with each set westing and for each set Min (T, (A)), min (T2 (A)), min (T3 (A)). -
Maching agrad

min (T, (B)), min (T2 (B)), min (T3 (B)). --Prob [min \(\Pi, (A) = min \(\Pi, (B)\)] = Resemblance (A, B)





Turn a document into a set et et ets Four score and seven years ago. shingling:

into account sten hash [Syntocke vs. semantre