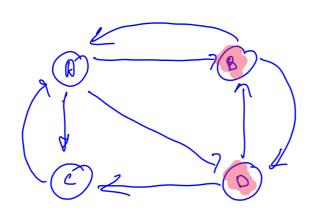
## Topic - Sensitive Page Rank

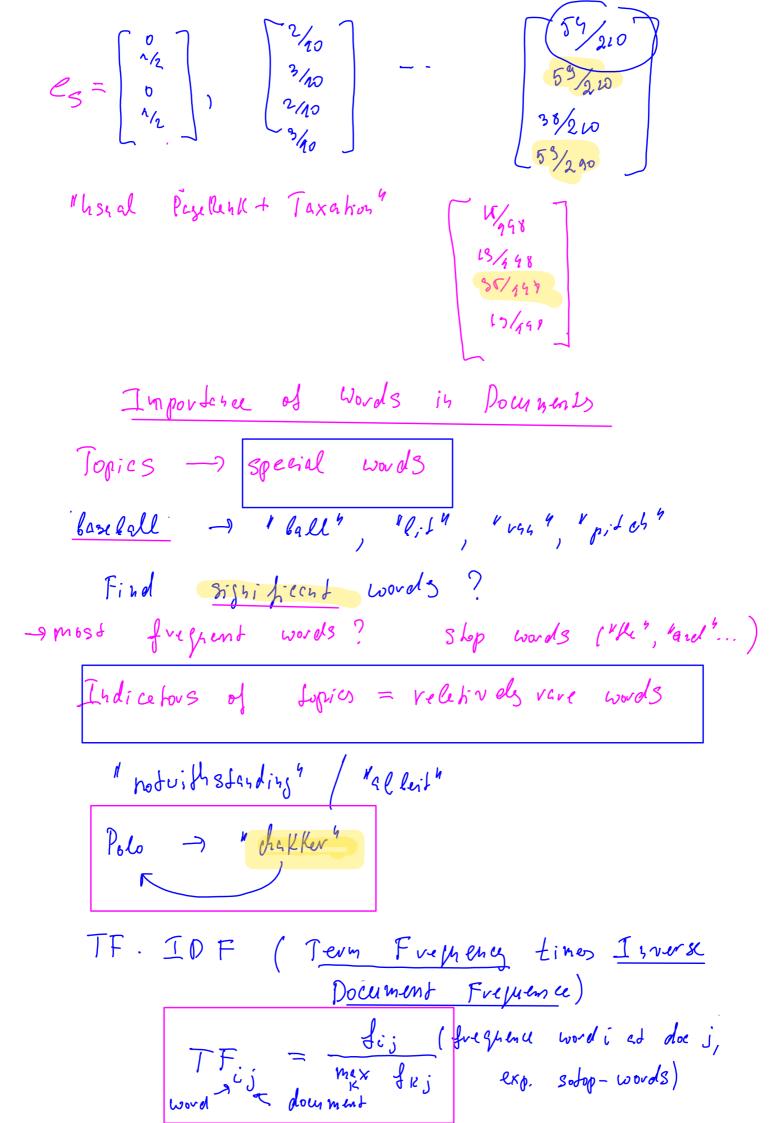


$$v' = g Mv + (1-g)e$$

$$e = \begin{pmatrix} \frac{1}{4} \\ \frac{1}{4} \\ \frac{1}{4} \end{pmatrix}$$

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term i appears in collection documents

IDF: = log\_2 (N/ni) For term i: [TFij x IDFi] Example 20° documents, word w appears is 200 IPF = 6/2 (2/210) = 6/2 (210) = 10 If w appears in the doe i 20 times TFw; = 1 -9 TF. IOFw; = 10 p document K, is appears only 1 Trwa = 15. IDFw; = 10 = 1/2, If the word "f" appears in each due.

what will by IDF ? IDF =0