TF-IDF

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Example

• Sen 1 : good boy

• Sen 2 : good girl

• Sen 3 : boy gilr good

• First we calculate TF → TF = No.of rep in a sen

No.of words in a sen

IDF = log(no. of sentances)No. of sentences containing words

	sen1	sen2	sen3
Good	1/2	1/2	1/3
Boy	1/2	0	1/3
girl	0	1/2	1/3

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words	IDF
Good	Log(3/3)=0
Воу	Log(3/2)
girl	Log(3/2)

	good	boy	girl	output
Sen 1	0	½*log(3/2)	0	
Sen 2	0	0	½*log(3/2)	
Sen 3	0	1/3*log(3/2)	1/3*log(3/2)	