

Q1 Document-1

language appears in \Rightarrow

~~$tf \propto N$~~ , $idf = \lg\left(\frac{N}{D_{f_i}}\right)$

$$tf_1 = 0.0589$$

$$tf_2 = 0.0345$$

$$tf_3 = 0.030$$

$$idf = 0.125$$

~~$\lg 2$~~

$$2. \quad tfidf_1 = 0.007$$

$$tfidf_2 = 0.009$$

$$tfidf_3 = 0.008$$

\therefore Rank

Document 1 : Rank 3
— 2 : Rank 1
— 3 : Rank 2.