Algorithm:

,

number of words in description

Input:

* 1 query with weights
* 10 descriptions

Output:

* 1 query with weights

Algorithm:

* Initially only contains 0 or 1
* For each description :

Split into words and eliminate stop-words

Calculate the frequency of each term in current word,

Put <term, frequency> input a map or an array

* Calculate all terms’ frequency in
* Normalize to
* Calculate
* Get the new query by: