How to Fix Problem 2 ("presidential" vs. "about")

d2   … **news about** organic food **campaign**…

d3   … **news** of **presidential campaign** …

V= {news, about, presidential, campaign, food …. }

$$\mathbf{q}= (1, \quad 1, \quad 1, \quad 1, \quad 0, \quad …)$$
$$\mathbf{d2}= (1, \quad 1, \quad 0, \quad 1, \quad 1, \quad …)$$

$f(q,d2)<3$

$$\mathbf{q}= (1, \quad 1, \quad 1, \quad 1, \quad 0, \quad …)$$
$$\mathbf{d3}= (1, \quad 0, \quad 1, \quad 1, \quad 0, \quad …)$$

$f(q,d3)>3$