

An Example: Ranking Based on TF Sum

$$f(d,q)=g(t_1,d,q)+\dots+ g(t_k,d,q)$$

$$\text{where } g(t_i,d,q) = c(t_i,d)$$

Query = “info security”

Info: (d1, 3), (d2, 4), (d3, 1), (d4, 5)

Security: (d2, 3), (d4,1), (d5, 3)

Accumulators:		d1	d2	d3	d4	d5
		0	0	0	0	0
info	(d1,3) =>	3	0	0	0	0
	(d2,4) =>	3	4	0	0	0
	(d3,1) =>	3	4	1	0	0
	(d4,5) =>	3	4	1	5	0
security	(d2,3) =>	3	7	1	5	0
	(d4,1) =>	3	7	1	6	0
	(d5,3) =>	3	7	1	6	3