## A General Algorithm for Ranking Documents

$$f(q, d) = f_a(h(g(t_1, d, q), ..., g(t_k, d, q)), f_d(d), f_q(q))$$

- $f_d(d)$  and  $f_q(q)$  are pre-computed
- Maintain a score accumulator for each d to compute h
- For each query term  $t_i$ 
  - Fetch the inverted list  $\{(d_1,f_1),...,(d_n,f_n)\}$
  - For each entry  $(d_j, f_j)$ , compute  $g(t_i, d_j, q)$ , and update score accumulator for doc  $d_i$  to incrementally compute h
- Adjust the score to compute f<sub>a</sub>, and sort