How to Score Documents Quickly

General Form of Scoring Function

Final score **adjustment**

$$\text{f}(q, d) = \text{f}_a(\boldsymbol{h}(\ \boldsymbol{g}(\boldsymbol{t_1}, \boldsymbol{d}, \boldsymbol{q}), \dots, \boldsymbol{g}(\boldsymbol{t_k}, \boldsymbol{d}, \boldsymbol{q})\ ), f_d(d), f_q(q))$$

Weight **aggregation**

Weight a **matched** query term in d