Using expanded query

- Developed using Inquery
- Incorporate using weighted sum
  - Weight original query and expansion query equally

$$Q_{new} = \#wsum(\ 1.0\ 1.0\ Q_{original}$$
$$1.0\ Q_{lca}\ )$$

$$Q_{lca} = \#wsum(\ 1.0\ 1.0\ c_1\ 1.0\ c_2\ \ldots\ 1.0\ c_{30}\ )$$

- Variations
  - Lower weight on each subsequent term
    - More important the more terms that are added
  - Weight original query equally with a single expansion concept
    - Only works when query is not very reliable