



Documents

Create Index

1

Get Document IDs Vector

Generate Queries

Unigrams & bigrams
(qryID, qry, weight, ctr)

Retrieve Documents
(RetrievalApp) BM25
MaxResults = c

3

Calculate Retrievability
For each document

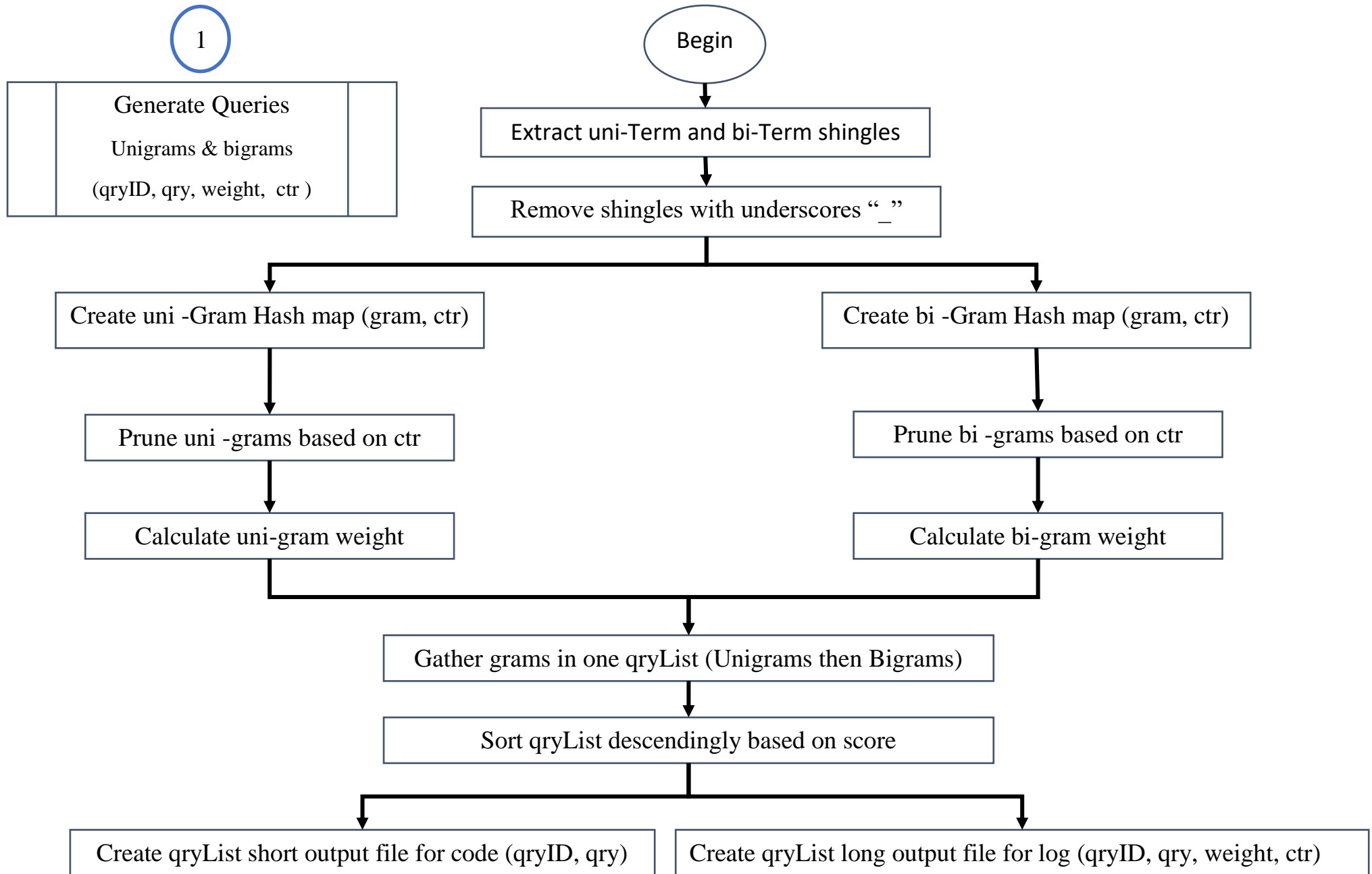
Generate Documents Hash Maps
(docID, qryID, rank)

2

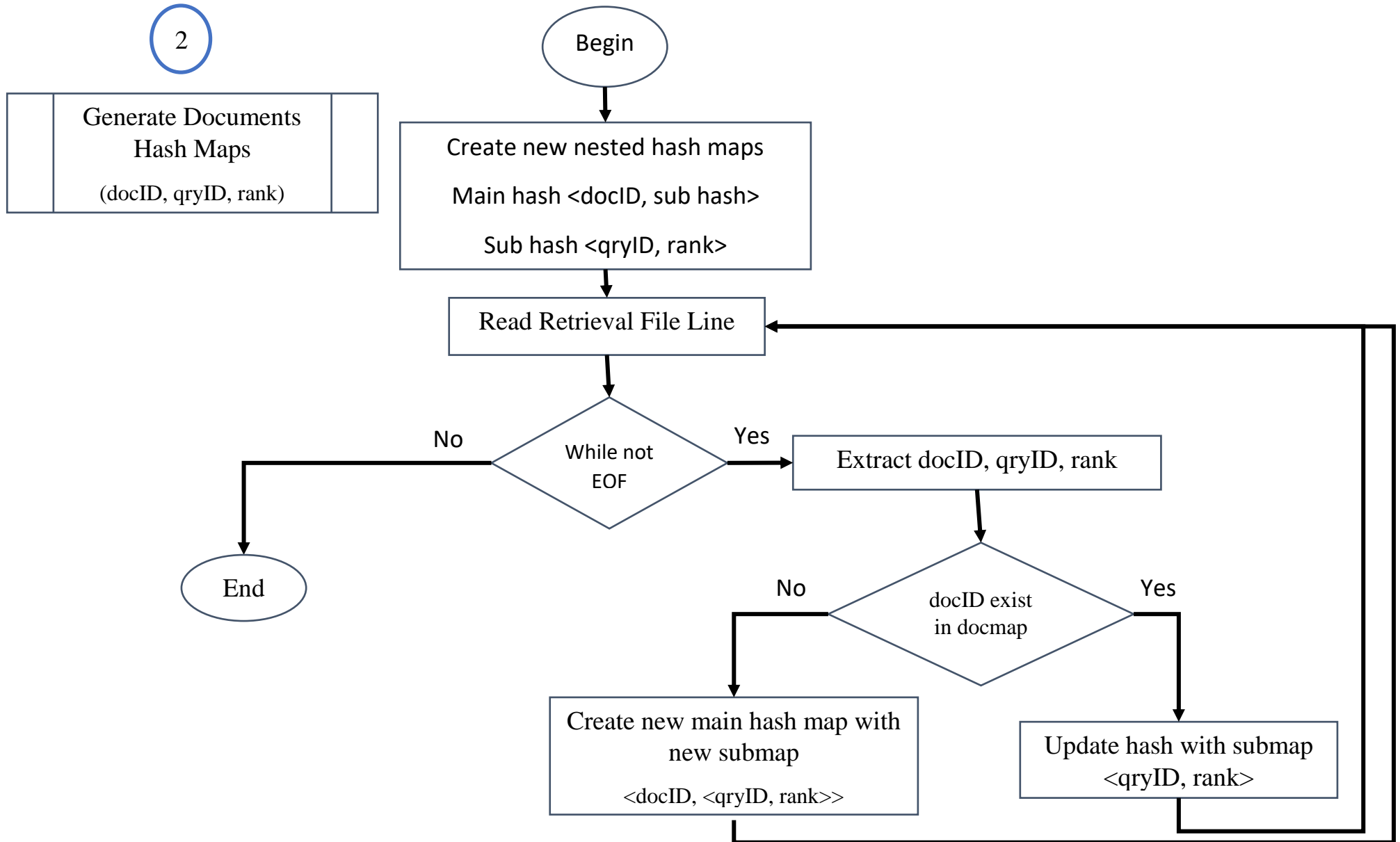
Calculate Gini Coefficient

$$G = \frac{\sum_{i=1}^N (2 * i - N - 1) * r(\mathbf{d}_i)}{N \sum_{j=1}^N r(\mathbf{d}_j)}$$

1



2



3

