package com.twitter.search.core.earlybird.index.util;

import java.io.IOException;

import org.apache.lucene.index.LeafReader;

import org.apache.lucene.search.DocIdSetIterator;

import com.twitter.search.core.earlybird.index.DocIDToTweetIDMapper;

public class RangeDISI extends DocIdSetIterator {

private final int start;

private final int end;

private final AllDocsIterator delegate;

private int currentDocId = -1;

public RangeDISI(LeafReader reader, int start, int end) throws IOException {

this.delegate = new AllDocsIterator(reader);

this.start = start;

if (end == DocIDToTweetIDMapper.ID\_NOT\_FOUND) {

this.end = Integer.MAX\_VALUE;

} else {

this.end = end;

}

}

@Override

public int docID() {

return currentDocId;

}

@Override

public int nextDoc() throws IOException {

return advance(currentDocId + 1);

}

@Override

public int advance(int target) throws IOException {

currentDocId = delegate.advance(Math.max(target, start));

if (currentDocId > end) {

currentDocId = NO\_MORE\_DOCS;

}

return currentDocId;

}

@Override

public long cost() {

return delegate.cost();

}

}