package com.twitter.recos.user\_tweet\_graph.util

import com.twitter.graphjet.bipartite.MultiSegmentIterator

import com.twitter.graphjet.bipartite.api.BipartiteGraph

import com.twitter.graphjet.bipartite.segment.BipartiteGraphSegment

import scala.collection.mutable.ListBuffer

import com.twitter.recos.util.Action

object FetchRHSTweetsUtil {

// get RHS tweets given LHS users

def fetchRHSTweets(

userIds: Seq[Long],

bipartiteGraph: BipartiteGraph,

allowedActions: Set[Action.Value]

): Seq[Long] = {

val allowedActionStrings = allowedActions.map(\_.toString)

userIds.distinct

.flatMap { userId =>

val tweetIdsIterator = bipartiteGraph

.getLeftNodeEdges(userId).asInstanceOf[MultiSegmentIterator[BipartiteGraphSegment]]

val tweetIds = new ListBuffer[Long]()

if (tweetIdsIterator != null) {

while (tweetIdsIterator.hasNext) {

val rightNode = tweetIdsIterator.nextLong()

val edgeType = tweetIdsIterator.currentEdgeType()

if (allowedActionStrings.contains(UserTweetEdgeTypeMask(edgeType).toString))

tweetIds += rightNode

}

}

tweetIds.distinct

}

}

}