/\* ----------------------------------------------------------------------------

\* This file was automatically generated by SWIG (http://www.swig.org).

\* Version 4.0.2

\*

\* Do not make changes to this file unless you know what you are doing--modify

\* the SWIG interface file instead.

\* ----------------------------------------------------------------------------- \*/

package com.twitter.ann.faiss;

public class int\_maxheap\_array\_t {

private transient long swigCPtr;

protected transient boolean swigCMemOwn;

protected int\_maxheap\_array\_t(long cPtr, boolean cMemoryOwn) {

swigCMemOwn = cMemoryOwn;

swigCPtr = cPtr;

}

protected static long getCPtr(int\_maxheap\_array\_t obj) {

return (obj == null) ? 0 : obj.swigCPtr;

}

@SuppressWarnings("deprecation")

protected void finalize() {

delete();

}

public synchronized void delete() {

if (swigCPtr != 0) {

if (swigCMemOwn) {

swigCMemOwn = false;

swigfaissJNI.delete\_int\_maxheap\_array\_t(swigCPtr);

}

swigCPtr = 0;

}

}

public void setNh(long value) {

swigfaissJNI.int\_maxheap\_array\_t\_nh\_set(swigCPtr, this, value);

}

public long getNh() {

return swigfaissJNI.int\_maxheap\_array\_t\_nh\_get(swigCPtr, this);

}

public void setK(long value) {

swigfaissJNI.int\_maxheap\_array\_t\_k\_set(swigCPtr, this, value);

}

public long getK() {

return swigfaissJNI.int\_maxheap\_array\_t\_k\_get(swigCPtr, this);

}

public void setIds(LongVector value) {

swigfaissJNI.int\_maxheap\_array\_t\_ids\_set(swigCPtr, this, SWIGTYPE\_p\_long\_long.getCPtr(value.data()), value);

}

public LongVector getIds() {

return new LongVector(swigfaissJNI.int\_maxheap\_array\_t\_ids\_get(swigCPtr, this), false);

}

public void setVal(SWIGTYPE\_p\_int value) {

swigfaissJNI.int\_maxheap\_array\_t\_val\_set(swigCPtr, this, SWIGTYPE\_p\_int.getCPtr(value));

}

public SWIGTYPE\_p\_int getVal() {

long cPtr = swigfaissJNI.int\_maxheap\_array\_t\_val\_get(swigCPtr, this);

return (cPtr == 0) ? null : new SWIGTYPE\_p\_int(cPtr, false);

}

public SWIGTYPE\_p\_int get\_val(long key) {

long cPtr = swigfaissJNI.int\_maxheap\_array\_t\_get\_val(swigCPtr, this, key);

return (cPtr == 0) ? null : new SWIGTYPE\_p\_int(cPtr, false);

}

public LongVector get\_ids(long key) {

return new LongVector(swigfaissJNI.int\_maxheap\_array\_t\_get\_ids(swigCPtr, this, key), false);

}

public void heapify() {

swigfaissJNI.int\_maxheap\_array\_t\_heapify(swigCPtr, this);

}

public void addn(long nj, SWIGTYPE\_p\_int vin, long j0, long i0, long ni) {

swigfaissJNI.int\_maxheap\_array\_t\_addn\_\_SWIG\_0(swigCPtr, this, nj, SWIGTYPE\_p\_int.getCPtr(vin), j0, i0, ni);

}

public void addn(long nj, SWIGTYPE\_p\_int vin, long j0, long i0) {

swigfaissJNI.int\_maxheap\_array\_t\_addn\_\_SWIG\_1(swigCPtr, this, nj, SWIGTYPE\_p\_int.getCPtr(vin), j0, i0);

}

public void addn(long nj, SWIGTYPE\_p\_int vin, long j0) {

swigfaissJNI.int\_maxheap\_array\_t\_addn\_\_SWIG\_2(swigCPtr, this, nj, SWIGTYPE\_p\_int.getCPtr(vin), j0);

}

public void addn(long nj, SWIGTYPE\_p\_int vin) {

swigfaissJNI.int\_maxheap\_array\_t\_addn\_\_SWIG\_3(swigCPtr, this, nj, SWIGTYPE\_p\_int.getCPtr(vin));

}

public void addn\_with\_ids(long nj, SWIGTYPE\_p\_int vin, LongVector id\_in, long id\_stride, long i0, long ni) {

swigfaissJNI.int\_maxheap\_array\_t\_addn\_with\_ids\_\_SWIG\_0(swigCPtr, this, nj, SWIGTYPE\_p\_int.getCPtr(vin), SWIGTYPE\_p\_long\_long.getCPtr(id\_in.data()), id\_in, id\_stride, i0, ni);

}

public void addn\_with\_ids(long nj, SWIGTYPE\_p\_int vin, LongVector id\_in, long id\_stride, long i0) {

swigfaissJNI.int\_maxheap\_array\_t\_addn\_with\_ids\_\_SWIG\_1(swigCPtr, this, nj, SWIGTYPE\_p\_int.getCPtr(vin), SWIGTYPE\_p\_long\_long.getCPtr(id\_in.data()), id\_in, id\_stride, i0);

}

public void addn\_with\_ids(long nj, SWIGTYPE\_p\_int vin, LongVector id\_in, long id\_stride) {

swigfaissJNI.int\_maxheap\_array\_t\_addn\_with\_ids\_\_SWIG\_2(swigCPtr, this, nj, SWIGTYPE\_p\_int.getCPtr(vin), SWIGTYPE\_p\_long\_long.getCPtr(id\_in.data()), id\_in, id\_stride);

}

public void addn\_with\_ids(long nj, SWIGTYPE\_p\_int vin, LongVector id\_in) {

swigfaissJNI.int\_maxheap\_array\_t\_addn\_with\_ids\_\_SWIG\_3(swigCPtr, this, nj, SWIGTYPE\_p\_int.getCPtr(vin), SWIGTYPE\_p\_long\_long.getCPtr(id\_in.data()), id\_in);

}

public void addn\_with\_ids(long nj, SWIGTYPE\_p\_int vin) {

swigfaissJNI.int\_maxheap\_array\_t\_addn\_with\_ids\_\_SWIG\_4(swigCPtr, this, nj, SWIGTYPE\_p\_int.getCPtr(vin));

}

public void reorder() {

swigfaissJNI.int\_maxheap\_array\_t\_reorder(swigCPtr, this);

}

public void per\_line\_extrema(SWIGTYPE\_p\_int vals\_out, LongVector idx\_out) {

swigfaissJNI.int\_maxheap\_array\_t\_per\_line\_extrema(swigCPtr, this, SWIGTYPE\_p\_int.getCPtr(vals\_out), SWIGTYPE\_p\_long\_long.getCPtr(idx\_out.data()), idx\_out);

}

public int\_maxheap\_array\_t() {

this(swigfaissJNI.new\_int\_maxheap\_array\_t(), true);

}

}