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

\* 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.

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package com.twitter.ann.faiss;

public class SimulatedAnnealingOptimizer extends SimulatedAnnealingParameters {

private transient long swigCPtr;

protected SimulatedAnnealingOptimizer(long cPtr, boolean cMemoryOwn) {

super(swigfaissJNI.SimulatedAnnealingOptimizer\_SWIGUpcast(cPtr), cMemoryOwn);

swigCPtr = cPtr;

}

protected static long getCPtr(SimulatedAnnealingOptimizer 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\_SimulatedAnnealingOptimizer(swigCPtr);

}

swigCPtr = 0;

}

super.delete();

}

public void setObj(PermutationObjective value) {

swigfaissJNI.SimulatedAnnealingOptimizer\_obj\_set(swigCPtr, this, PermutationObjective.getCPtr(value), value);

}

public PermutationObjective getObj() {

long cPtr = swigfaissJNI.SimulatedAnnealingOptimizer\_obj\_get(swigCPtr, this);

return (cPtr == 0) ? null : new PermutationObjective(cPtr, false);

}

public void setN(int value) {

swigfaissJNI.SimulatedAnnealingOptimizer\_n\_set(swigCPtr, this, value);

}

public int getN() {

return swigfaissJNI.SimulatedAnnealingOptimizer\_n\_get(swigCPtr, this);

}

public void setLogfile(SWIGTYPE\_p\_FILE value) {

swigfaissJNI.SimulatedAnnealingOptimizer\_logfile\_set(swigCPtr, this, SWIGTYPE\_p\_FILE.getCPtr(value));

}

public SWIGTYPE\_p\_FILE getLogfile() {

long cPtr = swigfaissJNI.SimulatedAnnealingOptimizer\_logfile\_get(swigCPtr, this);

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

}

public SimulatedAnnealingOptimizer(PermutationObjective obj, SimulatedAnnealingParameters p) {

this(swigfaissJNI.new\_SimulatedAnnealingOptimizer(PermutationObjective.getCPtr(obj), obj, SimulatedAnnealingParameters.getCPtr(p), p), true);

}

public void setRnd(SWIGTYPE\_p\_faiss\_\_RandomGenerator value) {

swigfaissJNI.SimulatedAnnealingOptimizer\_rnd\_set(swigCPtr, this, SWIGTYPE\_p\_faiss\_\_RandomGenerator.getCPtr(value));

}

public SWIGTYPE\_p\_faiss\_\_RandomGenerator getRnd() {

long cPtr = swigfaissJNI.SimulatedAnnealingOptimizer\_rnd\_get(swigCPtr, this);

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

}

public void setInit\_cost(double value) {

swigfaissJNI.SimulatedAnnealingOptimizer\_init\_cost\_set(swigCPtr, this, value);

}

public double getInit\_cost() {

return swigfaissJNI.SimulatedAnnealingOptimizer\_init\_cost\_get(swigCPtr, this);

}

public double optimize(SWIGTYPE\_p\_int perm) {

return swigfaissJNI.SimulatedAnnealingOptimizer\_optimize(swigCPtr, this, SWIGTYPE\_p\_int.getCPtr(perm));

}

public double run\_optimization(SWIGTYPE\_p\_int best\_perm) {

return swigfaissJNI.SimulatedAnnealingOptimizer\_run\_optimization(swigCPtr, this, SWIGTYPE\_p\_int.getCPtr(best\_perm));

}

}