package com.twitter.search.common.encoding.docvalues;

public final class CSFTypeUtil {

private CSFTypeUtil() {

}

/\*\*

\* Convert a long into a byte array, stored into dest.

\*/

public static void convertToBytes(byte[] dest, int valueIndex, int value) {

int offset = valueIndex \* Integer.BYTES;

dest[offset] = (byte) (value >>> 24);

dest[offset + 1] = (byte) (value >>> 16);

dest[offset + 2] = (byte) (value >>> 8);

dest[offset + 3] = (byte) value;

}

/\*\*

\* Convert bytes into a long value. Inverse function of convertToBytes.

\*/

public static int convertFromBytes(byte[] data, int startOffset, int valueIndex) {

// This should rarely happen, eg. when we get a corrupt ThriftIndexingEvent, we insert a new

// Document which is blank. Such a document results in a length 0 BytesRef.

if (data.length == 0) {

return 0;

}

int offset = startOffset + valueIndex \* Integer.BYTES;

return ((data[offset] & 0xFF) << 24)

| ((data[offset + 1] & 0xFF) << 16)

| ((data[offset + 2] & 0xFF) << 8)

| (data[offset + 3] & 0xFF);

}

}