-rw-r--r-- 1 mkorol mkorol 1262 Apr 30 19:35 HuffmanTree.h

-rw-r--r-- 1 mkorol mkorol 2044 Apr 30 19:52 stegosaurus.bin

-rw-r--r-- 1 mkorol mkorol 1971 Apr 30 19:54 CSCI232.bin

-rw-r--r-- 1 mkorol mkorol 1278 Apr 30 19:55 eyes.bin

-rw-r--r-- 1 mkorol mkorol 2529 Apr 30 19:55 ghostbusters.bin

Provide an algorithm analysis of:

* How does your key selection algorithm function? What is its complexity?

short GenKey(short A, short B)

{

return A<<8 | B;

}

short getA(short C)

{

return C>>8;

}

short getB(short C)

{

//return C & 0xFFFF;

return C & 255;

}

Amount of memory units required by the algorithm in addition to the space needed for its input and output is the same as key unit takes.

* How does your hash function work? Does it provide a uniform distribution across the indices of

the hash map? Explain.

Hash function provide a uniform distribution. It has no collisions.

* How close to Theta(1) does your solution get to retrieval from the hash map?

It is equal to 1