Assignment 3 Result Report 通訊二 110503531 劉泰君

1.Compile Result

Arithmetic

```
cornertw@DESKTOP-HD1IFP1:/mnt/c/Users/Max Liu/NCU_Documents/arcd$ make
[ 25%] Built target arcd
[ 50%] Built target adaptive_model
Scanning dependencies of target arcd_stream
[ 62%] Building C object examples/CMakeFiles/arcd_stream.dir/arcd_stream.c.o
[ 75%] Linking C executable arcd_stream
[ 75%] Built target arcd_stream
Scanning dependencies of target codec_tests
[ 87%] Building CXX object tests/CMakeFiles/codec_tests.dir/codec_tests.cpp.o
[ 100%] Linking CXX executable codec_tests
[ 100%] Built target codec_tests
```

Huffman

```
cornertw@DESKTOP-HD1IFP1:/mnt/c/Users/Max Liu/NCU_Documents/huffman-main$ make
cc -g -Wall -Werror -Wextra -00 -std=c11 -D_POSIX_C_SOURCE=2 -c -o huffcode.o huffcode.c
cc -o huffcode huffcode.o libhuffman.a
```

2. Execute Result

Arithmetic

- Encoding
- input file is "runarcd.txt",
- encoding file is "outputarcd.txt"

```
| tee outputarcd.txt | tee ou
```

- Decoding
- input file is "outputarcd.txt",
- decoding file is "decodingarcd.txt"

Huffman

- Encoding
- input file is "runhuff.txt", encoding file is "outputhuff.txt"

cornertw@DESKTOP-HD1IFP1:/mnt/c/Users/Max Liu/NCU_Documents/DSA_project/huffmain/huffman-main\$./huffcode -i runhuff.txt -o outputhuff.txt -c 執行時間(毫秒):1090.000000

- Decoding
- input file is "outputhuff.txt", decoding file is "runhuff.txt"

cornertw@DESKTOP-HD1IFP1:/mnt/c/Users/Max Liu/NCU_Documents/DSA_project/huffmain/huffman-main\$./huffcode -i outputhuff.txt -o runhuff.txt -d 執行時間(毫秒):877.0000000