

Assignment#3

Arcd

1. 編譯結果

```
● irenechao@LAPTOP-JKQAUJJ:~/hw3/arcd/examples$ make
[ 33%] Built target arcd
[ 66%] Built target adaptive_model
[100%] Built target arcd_stream
```

2. Compress 執行結果

```
● irenechao@LAPTOP-JKQAUJJ:~/hw3/arcd/examples$ ./arcd_stream
-e < compresss.txt | tee aftercompress.txt

Compressed/Decompressed time: 2854 µs
```

3. Decompress 執行結果

```
● irenechao@LAPTOP-JKQAUJJ:~/hw3/arcd/examples$ ./arcd_stream
-eam -d < aftercompress.txt | tee afterdecompress.txt

Compressed/Decompressed time: 5182 µs
```

Huffman

1. 編譯結果

```
● irenechao@LAPTOP-JKQAUJJ:~/hw3/huffman$ make
cc -g -Wall -Werror -Wextra -O0 -std=c11 -D_POSIX_C_SOURCE=2 -c -o huffcode.o huffcode.c
cc -g -Wall -Werror -Wextra -O0 -std=c11 -D_POSIX_C_SOURCE=2 -c -o huffman.o huffman.c
ar r libhuffman.a huffman.o
ar: creating libhuffman.a
cc -o huffcode huffcode.o libhuffman.a
```

2. Compress 執行結果

```
● irenechao@LAPTOP-JKQAUJJ:~/hw3/huffman$ ./huffcode -i compresss.txt -o aftercompress.txt -c

Compressed/Decompressed time: 1864 µs
```

3. Decompress 執行結果

```
● irenechao@LAPTOP-JKQAUJJ:~/hw3/huffman$ ./huffcode -i aftercompress.txt -o afterdecompress.txt -c

Compressed/Decompressed time: 2207 µs
```