

Second Assignment (20 min)

| Nr | Date | finite Fourier/compression | Group | Grd |
|----|---------|--|--|-----|
| 1 | Nov. 14 | Calculate the words in the Huffman compression example on this page | Angelica Anahi Andrew Yesoi Wan Chi | |
| 2 | Nov. 14 | Produce mp3 files with different compression rates | Chun Pauline Samuel Allan Nathaniel Michael | |
| 3 | Nov. 16 | Describe the ISO/MPEG organization for media standards | Zishan Tangjia Rosie | |
| 4 | Nov. 16 | Calculate without computers the finite Fourier scalar products $\langle z, z \rangle$, $\langle w, w \rangle$, $\langle z, w \rangle$ and $\langle w, z \rangle$ for the $N=3$ vectors w, z , on this page | Jingduan Hanyuan Zijan | |

Yesoi, Wan Chi, Rosie, Pauline, Andrew, Nathaniel Michael, Chun, Angelica Anahi, Samuel Allan, Jingduan, Tangjia, Zishan, Zijan, Hanyuan

| color | frequency |
|--------|-----------|
| blue | 12 |
| red | 34 |
| yellow | 5 |
| pink | 18 |
| black | 7 |
| white | 54 |
| orange | 43 |

$$w = (3+i4, -2i, -5+i9)$$

$$z = (7.24+i(383/25), 13+i6, 7-i4)$$