

9.10.09

Assembly

- $ABS = DC2 * \#sec/cluster * (N-2)$
- for newdir, the starting cluster is 00 C3 (at address offset 01A)
- $21 + (C3 - 2) = E2$
- | 100 0 e2 |

- file size is at offset 1C

- file size needs to be converted to decimal

4 data clusters

- UNIX.FIL

- starting cluster is CA

$$\begin{array}{r} \text{CA} \\ \times 1.8 \\ \hline 650 \end{array}$$

CA
12F.0 ← offset into FAT

- | 100 0 1 |

- d 22F

- CB CD — reverse — 0 CB — use right 3 because CA is even

- then take $(CB - 1) * 1.8 + 1 = 130$

- at offset 130, CD 0C — reverse — 0 CD 0, take left 3 cause CB is odd

- then take $CC * 1.8 = 132$

- dump at 232 → CD F0 — reverse — F0 CD — use right 3 cause CC is even

- then to get the absolute sector → $CA + 21 - 2 = E9$

- $CB + (21 - 2) = EA$