1 Hardware Properties of the Memory Device

Information	**Offset (decimal)**	**Value**
Device name	43	NO NAME
Serial number	39	607564059
Filesystem type	54	FAT12
System identifier	3	MSDOS5.0
Media descriptor	21	0xF0 (floppy)
Bytes per sector	11	512
Number of reserved sectors	14	1
Number of sectors per allocation	13	1
Number of sectors per FAT	22	9
Size of the device (bytes)	?	179200
Number of sectors per track	24	18
Number of heads or sides on the diskette	26	2
Number of hidden sectors	28	0
Start of Bootstrap routine	1	60
Number of FAT	16	2
Number of root entires	17	224
Offset to start of FAT1	-	512
Offset to start of FAT2	-	5120
BIOS boot Signature	510	0xAA55
Root Directory Offset	-	9728
Offset to data area	-	16896
Additional Information of interest you find		

Note: Reading the bytes in reverse order (little endian) for all entries except the fields containing strings yields correct data... so the string fields are probably actually in reverse order.

2 FAT Investigation

Find out where the virus has corrupted the FAT tables and suggest a way to correct it.

The FAT tables seem to contain basically one long chain, from 2 to 250. However, the entry at 109 has the hexcode `03A`, pointing to 58 instead of 110. Changing `03A` to `06E` solves this.

3 Investigation of Directories

For each directory fill one of these:

Information	**Offset (Size)**	**Value**
Directory/File Name	?	?
Attributes	?	?
Creation Time and Date	?	?
Last Access Date	?	?
Time and Date Stamp	?	?
Clusters Chain in FAT	?	?
Absolute Offset	?	?
Size of the file	?	?

Also find and analyze the anomalies.

4 Attack on Zip-archive

Password: Bg%4! Creator: movax