

File system FAT:

Suppose there is following FAT table describing small hard-disk with 16 sectors.

Index	Value	Disk	Sector number	Content
0	1		0	A
1	4		1	B
2	5		2	C
3	-1		3	D
4	12		4	E
5	14		5	F
6	7		6	G
7	1		7	H
8	9		8	I
9	10		9	J
10	11		10	K
11	13		11	L
12	3		12	M
13	15		13	N
14	-1		14	O
15	-1		15	P

There is only one directory structure:

File name	First sector
A.txt	0
B.txt	2
C.txt	6
Free sectors	8

- 1) Find the content of the file A.txt and B.txt
- 2) Is this FAT table consistent? Find the content of the file C.txt. How this inconsistency can happen?

File system i-nodes

Suppose there are following simplified i-nodes and blocks:

i-nodes

File name A.txt	
Owner root	
Attributes 722	
Direct Link1	2
Direct Link2	3
Direct Link3	1
Direct Link4	5
Indirect Link	2

File name B.txt	
Owner root	
Attributes 777	
Direct Link1	7
Direct Link2	1
Direct Link3	9
Direct Link4	-1
Indirect Link	-1

Link1	2
Link2	3
Link3	-1
Link4	-1
Link5	-1
Link6	-1
Link7	-1
Link8	-1

blocks

Block number	Content
0	A
1	B
2	C
3	D
4	E
5	F
6	G
7	H
8	I
9	J
10	K
11	L
12	M
13	N
14	O
15	P

- 1) Find the content of the file A.txt and B.txt
- 2) Is this file system consistent? How this inconsistency can happen?