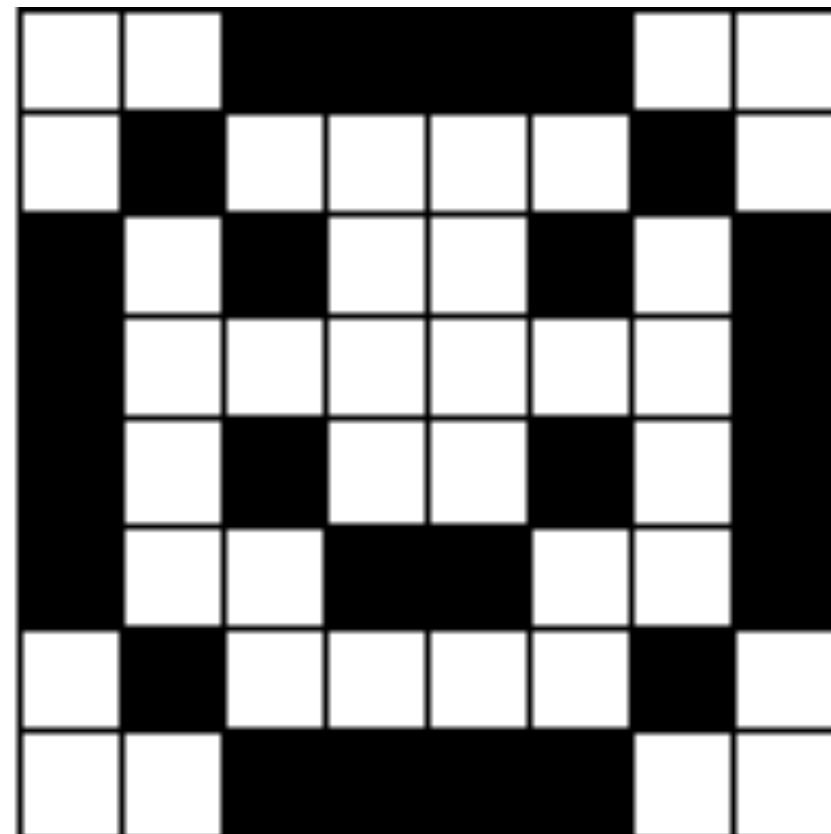
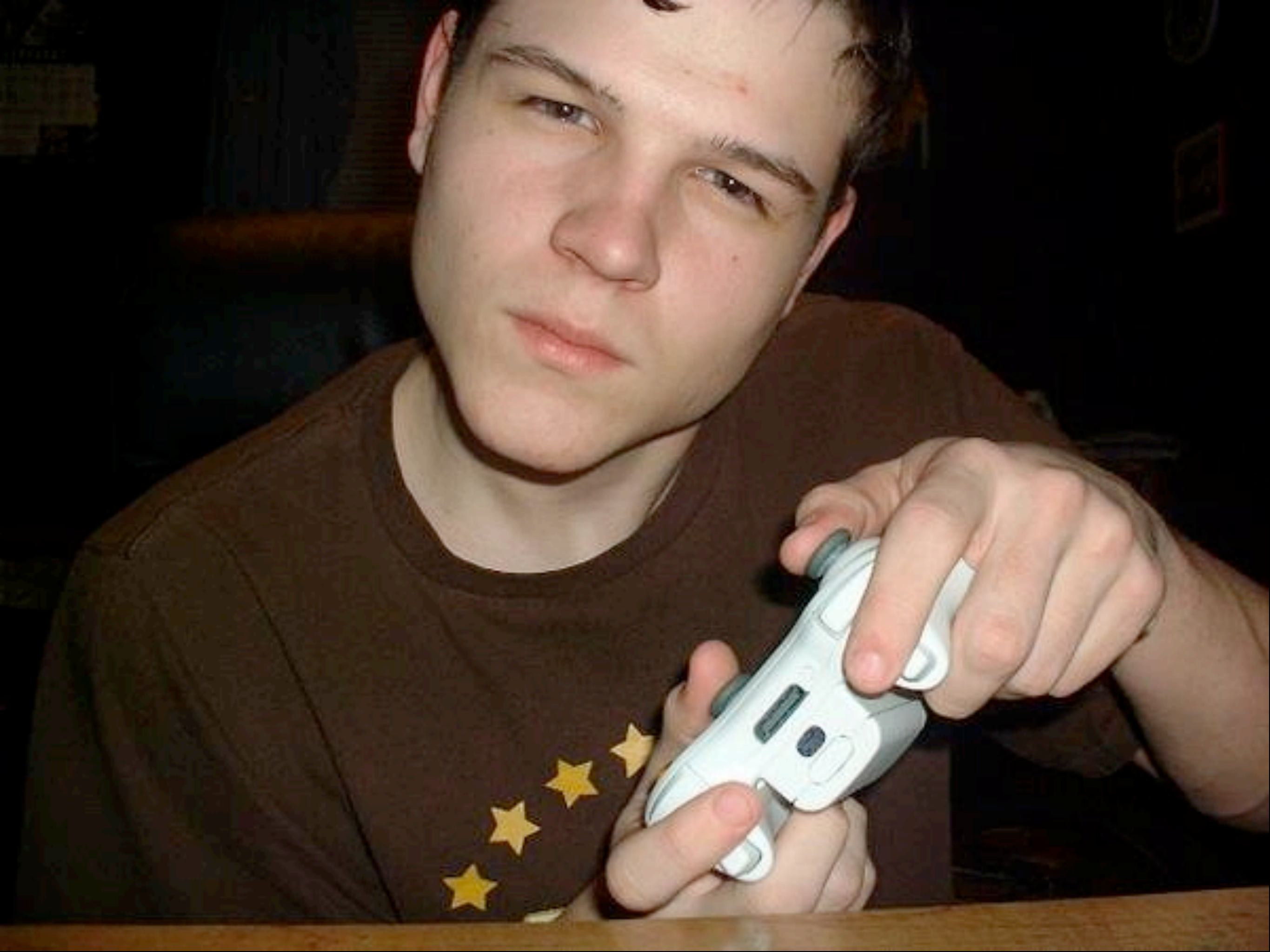


problem set 5

11000011
10111101
01011010
01111110
01011010
01100110
10111101
11000011



offset	type	name	
0	WORD	bftype	} BITMAPFILEHEADER
2	DWORD	bfsz	
6	WORD	bfReserved1	
8	WORD	bfReserved2	
10	DWORD	bfoffBits	
14	DWORD	bisize	} BITMAPINFOHEADER
18	LONG	biWidth	
22	LONG	biHeight	
26	WORD	biPlanes	
28	WORD	biBitCount	
30	DWORD	biCompression	
34	DWORD	biSizeImage	
38	LONG	biXPelsPerMeter	
42	LONG	biYPelsPerMeter	} RGBTRIPLE
46	DWORD	biClrUsed	
50	DWORD	biClrImportant	
54	BYTE	rgbtBlue	} RGBTRIPLE
55	BYTE	rgbtGreen	
56	BYTE	rgbtRed	
57	BYTE	rgbtBlue	} RGBTRIPLE
58	BYTE	rgbtGreen	
59	BYTE	rgbtRed	
...			
243	BYTE	rgbtBlue	} RGBTRIPLE
244	BYTE	rgbtGreen	
245	BYTE	rgbtRed	



Hacker Edition

sftp

quiz 0


```
printf("%s\n", s);
```

NULL versus '\0'

`\n` versus `\r`

`#include` versus `-1`

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AESTH&INTP 13	Cultural Agents	3.7	Erspamer, Somr	12	M., 3-5
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AESTH&INTP 21	Virgil: Poetry and Reception	4.4	Thomas	29	M., W., at 11
	<input type="checkbox"/>	<input type="checkbox"/>	AESTH&INTP 24	First Nights: Five Performance Premieres	4.2	Kelly	95	Tu., Th., at 11
	<input type="checkbox"/>	<input type="checkbox"/>	AESTH&INTP 25	Surrealism: Avant-Garde Art and Politics between the We	3.7	Suleiman	92	M., W., (F.), at 1
	<input type="checkbox"/>	<input type="checkbox"/>	AESTH&INTP 30	Love In A Dead Language: Classical Indian Literature an	4.7	Patil	10	M., W., at 11
	<input type="checkbox"/>	<input type="checkbox"/>	AESTH&INTP 33	Ancient Fictions: The Ancient Novel in Context	4.7	Elmer	6	M., W., at 1
	<input type="checkbox"/>	<input type="checkbox"/>	AESTH&INTP 35	Forms in Korean Cultural History	3.7	McCann	14	M., 2-4
	<input type="checkbox"/>	<input type="checkbox"/>	AESTH&INTP 36	Buddhism and Japanese Culture	4.0	Abe	33	Tu., Th., 10-11:30
	<input type="checkbox"/>	<input type="checkbox"/>	AESTH&INTP 38	The English Language as Literature		Albright		M., W., at 12
	<input type="checkbox"/>	<input type="checkbox"/>	AESTH&INTP 45	Art and Politics in Russia and Eastern Europe	3.4	Boym	58	Tu., 2-4
	<input type="checkbox"/>	<input type="checkbox"/>	AFRAMER 11	Introduction to African Studies	3.3	Elkins	9	M., W., at 10; Th., at
	<input type="checkbox"/>	<input type="checkbox"/>	AFRAMER 20	Introduction to African Languages and Cultures	4.1	Mugane	29	M., W., at 12
	<input type="checkbox"/>	<input type="checkbox"/>	AFRAMER 90r	African Language Tutorials	4.4	Mugane	8	Hours to be arrange
	<input type="checkbox"/>	<input type="checkbox"/>	AFRAMER 90r.a	Amharic	3.7	Mugane	7	Hours to be arrange
	<input type="checkbox"/>	<input type="checkbox"/>	AFRAMER 90r.b	Bamanakan	2.5	Mugane	4	Hours to be arrange

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Done

Done





valgrind

```
valgrind -v --leak-check=full a.out
```

```
Invalid write of size 4
```

```
at 0x804840F: f (memory.c:23)
```

```
by 0x8048421: main (memory.c:30)
```

```
40 bytes in 1 blocks are definitely lost in loss record 1 of 1
```

```
at 0x4025BDC: malloc (vg_replace_malloc.c:195)
```

```
by 0x8048405: f (memory.c:22)
```

```
by 0x8048421: main (memory.c:30)
```

0x01, ah ah ah....
0x02, ah ah ah...
0x03, ah ah ah...



&	bitwise AND
	bitwise OR
^	bitwise XOR
~	ones complement
<<	left shift
>>	right shift

to be continued...