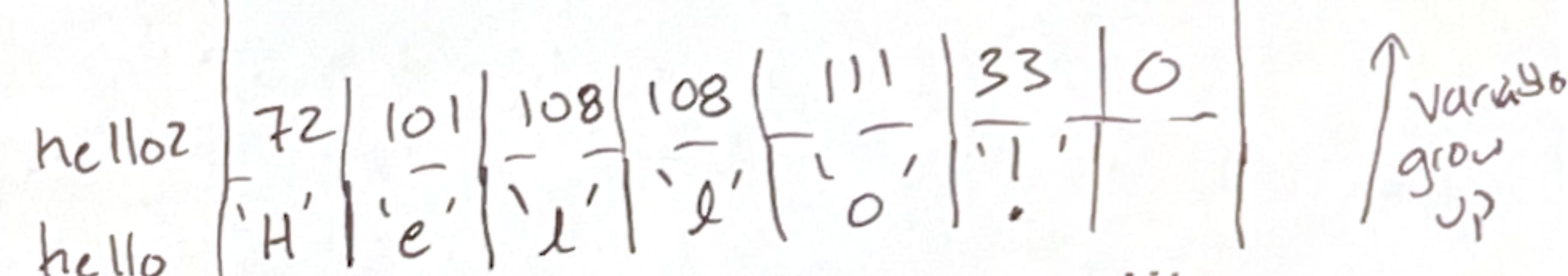


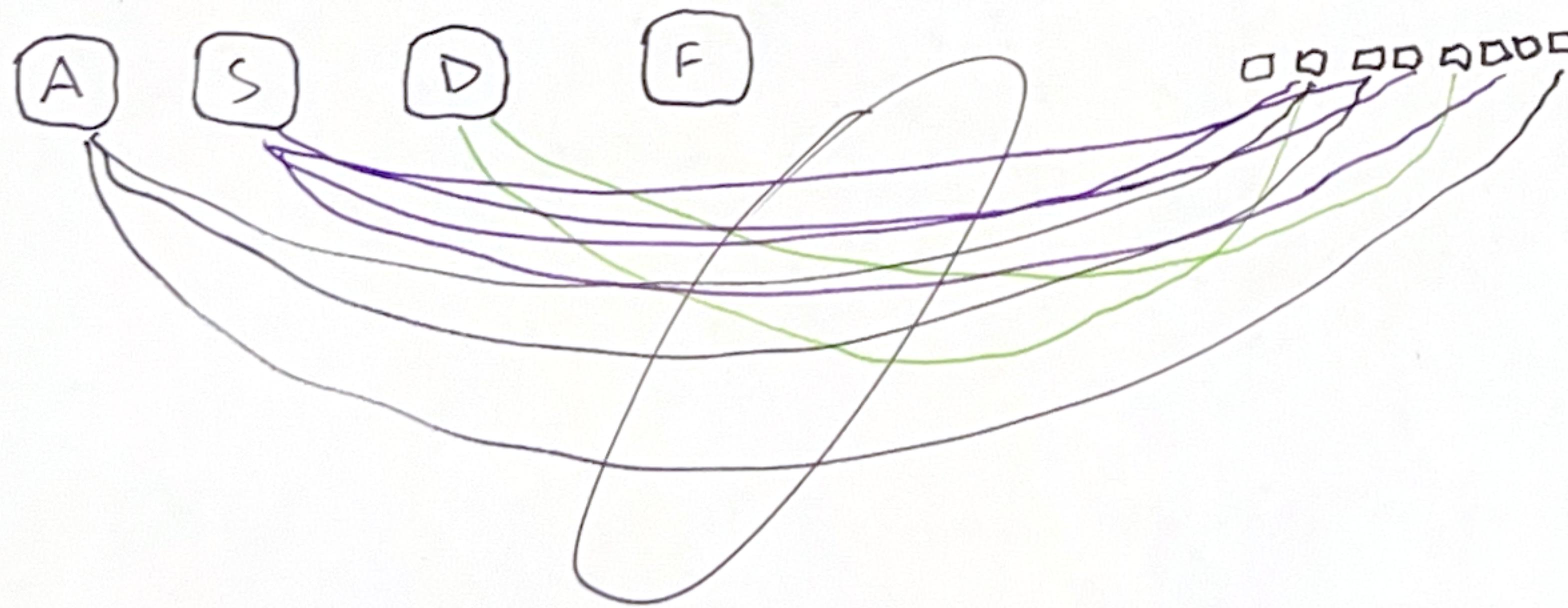
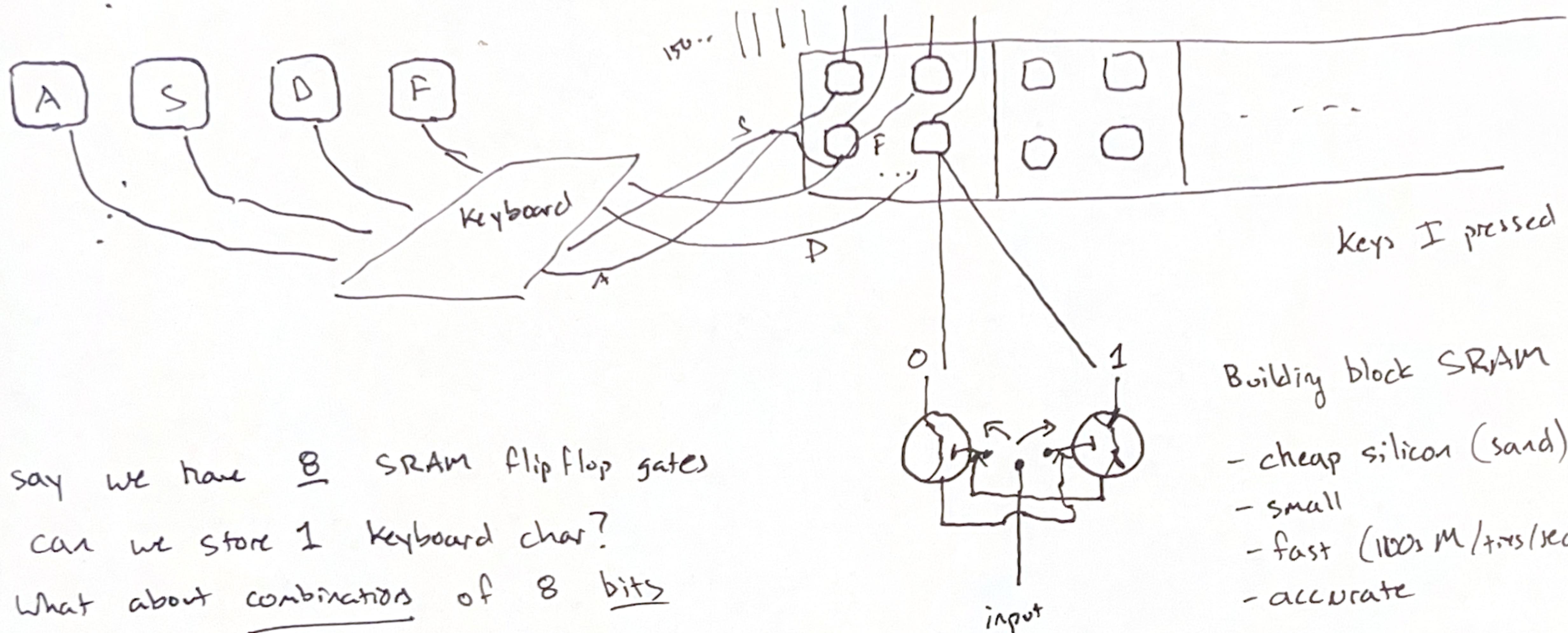
```
1 #include <stdio.h>
2
3 int main() {
4     char hello[] = "Hello!";
5     char hello2[] = { 72, 101, 108, 108, 111, 33, 0 };
6
7     puts(hello);
8     puts(hello2);
9 }
```

```
$ gcc hello.c -o hello
$ ./hello
Hello!
Hello!
```

hello and hello2 store exactly the same data
Somewhere there is a mapping from #'s to chars
ASCII defines this mapping



A S D F



0000	0000	0
0000	0001	1
0000	0010	2
0000	0011	3
(repeat)	0100	4
↓	0101	5
	0110	6
	0111	7
	1000	8
	1001	9
		: