	ALUsrc	alu0p	bInvert	Branch	Jump	MemWrite	MemRead	MemToReg	RegDst	RegWrite
add	0	2	0	0	0	0	0	0	1	1
addi	1	2	0	0	0	0	0	0	0	1
sw	1	2	0	0	0	1	X	X	X	0
beq	0	2	1	1	0	0	X	X	X	0
sub	0	2	1	0	0	0	0	0	1	1
andi	1	0	0	0	0	0	X	0	0	1
j	X	X	X	X	1	0	X	X	X	0
lw	1	2	0	0	0	0	1	1	0	1
slt	0	2	1	0	0	0	X	0	1	1

```
2G.
# include <stdio.h>
int 2G () {
  int foo = 3;
  char caseIsImportant[4];
  caseIsImportant[0] = ' \setminus 0';
  caseIsImportant[1] = '\0';
  caseIsImportant[2] = '\0';
  caseIsImportant[3] = '\0';
  int s0 = foo;
  printf("%c", *(caseIsImportant+s0));
}
2H.
# include <stdio.h>
// s7 set somewhere external to this code
int 2H (int s7) {
  int s0 = 100;
  while (s0 >= s7) {
    printf("%d\n",s0);
    s0--;
 }
}
```