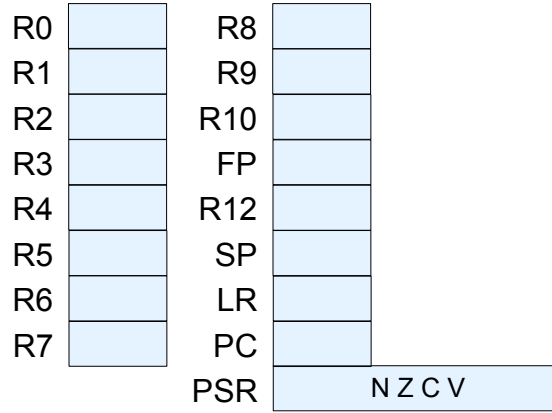


ARMAssemblyInt:BinaryInt:B

Odometer Overflow Math

```
cmp    r2, r3
movge  r1, r2
```



```
600,000
+500,000
-----
100,000
```

carry 1 into the millions place

```
001000
- 002000
-----
999000
```

borrow 1 from the millions place

Binary 8-bit range

	unsigned	signed
00000000	0	0
00000001	1	1
00000010	2	2
.		
01111111	127	127
10000000	128	-128
.		
11111110	254	-2
11111111	255	-1

signed
100 + 50 = -106

Binary 16-bit range

	unsigned	signed
0000000000000000	0	0
0000000000000001	1	1
0000000000000010	2	2
.....		
0111111111111111	32767	32767

1000000000000000	32768	-32768
.....		
1111111111111110	65534	-2
1111111111111111	65535	-1