

# Arithmetic Instructions

00000001000001100010000000100110

op      rs      rt      rd      -      func

6 bits    5 bits    5 bits    5 bits    5 bits    6 bits

R-Type

op	func	mnemonic	description
0x0	0x21	ADDU rd, rs, rt	$R[rd] = R[rs] + R[rt]$
0x0	0x23	SUBU rd, rs, rt	$R[rd] = R[rs] - R[rt]$
0x0	0x25	OR rd, rs, rt	$R[rd] = R[rs] \mid R[rt]$
0x0	0x26	XOR rd, rs, rt	$R[rd] = R[rs] \oplus R[rt]$
0x0	0x27	NOR rd, rs rt	$R[rd] = \sim ( R[rs] \mid R[rt] )$

ex:  $r4 = r8 \oplus r6$     # XOR r4, r8, r6