

LC3 VS ARM

	LC3	ARM
Arithmetic	NOT AND ADD	<div>logic</div> ANDS ORRS EORS BICS <div>arith</div> ADDS SUBS MULS <div>shift</div> LSLS LSRS
Move Data	LD LDR LOI ST STR STI	LDR LDRB <div>PUSH {reglist}</div> STR STRB <div>POP {reglist}</div>
Control	BR ... cc NZP	B... cc NZVC <div>if (A > B) {</div> <div> R1 ← A R2 ← B CMP A, B BLE next </div> <div>}</div> <div>next</div> NE, EQ, GT, LT, LE, GE, MI, PL BL <div>Sub</div> BX <div>BX</div> LR SVC
	JSR JMP JMP R7 TRAP	

TOOLS

Assembler

Linker

Loader

Maker

Debugger

Flasher

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