指令	31 30 29 28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2 1 0
OpCode: AND/EOR/SUB/RSB/ ADD/ADC/SBC/RSC/ TST/TEQ/CMP/CMN/ ORR/MOV/BIC/MVN		0	0	I	(Эр(Cod	е	S		F	₹n			R	≀d						0	per	anc	12		
	-																										
MUL/MLA	-	0	0	0	0	0	0	Α	S		ŀ	Rd			R	n			R	S		1	0	1	1		Rm
UMULL/UMLAL/ SMULL/SMLAL		0	0	0	0	1	U	Α	S		Ro	iHb			Rc	lLo			F	Rs		1	0	0	1		Rm
MRS		0	0	0	1		Ps		0	1			1			d	•	0	0		0	0	0	0	0	0	0 0 0
MSR		0	0	0	1	0	Pd		0	1		0	1	1	1	1	1	0	0	0	0	0	0	0	0		Rm
MSR(only flag)	1	0	0	_	1	0	Pd	1	0	1	0	0	0	1	1	1	1				S	our	ce	ope	eran	d	
BX	Condition	0	Λ	0	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1		Rn
B/BL	field	1	0	1	Ť	Ŭ	U		U		<u> </u>	1 -					Off	fset				U	U	U			IXII
SWI	neid	1		1	1							Co	mr	ner	nt fi	eld			d b	y Pr	OC	ess	or)				
0111			_	_	_								1111			l l	(·g·		00				J.,				
LDRB/STRB/ LDRW/STRW		0	1	_	Р	U	В	W	L		F	Rn			R	?d							Of	fset			
LDRH/STRH/		0	0	0	Р	U	0	W	L		F	₹n			R	?d		0	0	0	0	1	S	Н	1		Rm
LDR <mark>SB</mark> /STRSH		0	0	0	Р	Ū	1	W	L			Rn				?d			Off	_	_	1	S				Offset
	1																										
LDM/STM		1	0	0	Р		S	W	L			₹n										ter	list				
SWP		0	0	0	1	0	В	0	0		F	₹n			R	?d		0	0	0	0	1	0	0	1		Rm
CDP		1	1	1	0		CP		С			Rn				Rd			CF				CP		0		CRm
MRC/MCR		1	1	1	0		PΟ		L			Rn				?d			CF				CP		1		CRm
LDC/STC		1	1	0	Р	U	Ν	W	L		F	₹n			C	Rd			CF)# 					Of	fset	
Undefined	04100100100	0	_	1	0 .	100	0.0	104	0.0	1.0	146						(XXX		4.0		_					1	XXX
指令	31 30 29 28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2 1 0

		算术运算指令	ADD、ADC、SUB、SBC、RSB、 RSC、MUL、MLA、UMULL、 UMLAL、SMULL、SMLAL						
	数据处理指令	逻辑运算指令	AND(按位与)、EOR(按位异或) 、ORR(按位或)、BIC(取反后按 位与)						
A DA 4) / 4 T		测试比较指令	TST(AND后更新NZ)、TEQ(EOR 后更新NZCV)、CMP(SUB后更新 NZCV)、CMN(ADD即取相反数 减后更新NZCV)						
ARMV4T		数据传送指令	MOV. MVN						
		数据加载指令	LDR、LDM						
	数据存取指令	数据存储指令	STR、STM						
		数据交换指令	SWP						
		分支跳转指令	BX、B、BL						
	控制流指令	异常产生指令 (软件中断指令)	SWI						
	协处理器指令	CDP、MCR、MRC、LDC、STC							

NOTES	AND/EOR/ORR/BIC: Rd = Op1 AND/EOR/OR/AND NOT Op2
	TST/TEQ/CMP/CMN: set CPSR condition codes on Op1 AND/EOR/-/+ Op2
算术指令(加减法)	SUB/RSB/ADD/ADC/SBC/RSC/CMP/CMN
算术指令(乘法法)	MUL/MLA/UMULL/UMLAL/SMULL/SMLAL
逻辑指令(与或非)	AND/EOR/TST/TEQ/ORR/MOV/BIC/MVN
红色数处指令格式	<pre><opcode> {cond} {S} Rd, Rn, <op2></op2></opcode></pre>
绿色数处指令格式	<pre><opcode> {cond} Rn, <op2></op2></opcode></pre>
蓝色数处指令格式	<pre><opcode> {cond} {S} Rd, <op2></op2></opcode></pre>
紫色数处指令格式	<pre><opcode> {cond} {S} Rd, Rm, Rs, Rn / <opcode> {cond} {S} RdLo, RdHi, Rm, Rs</opcode></opcode></pre>
Rd/Rn/Rm/Rs	Rd: Destination register Rn: An operand in a register for an arithmetic Rm/Rs: sama as Rn, use for mul