Jesse Mayer

4.a.	LDR	R0,x		b.	LDR	R0,x
	LDR	R1,y			CMP	R0,-10
	LDR	R2,z			BLE	L1
	CMP	R0,R1			CMP	R0,10
	BGE	L1			BGE	L1
	CMP	R1,R2				
	BGE	L1		c.	LDR	R0,x
	LDR	R2,=6			LDR	R1,y
	STR	R2,z			CMP	R0,10
	B	L2			BLT	L1
L1:	LDR	R2,R0			CMP	R0,20
	STR	R2,z			BLE	L2
	B	L2		L1	LDR	R1,=0
L2:	BX	LR			STR	R1,y
					B	L3
d.	LDR	R0,ch		L2	LDR	R1,=1
	LDR	R1,'a'			STR	R1,y
	LDR	R2,'A'				
	CMP	R0,'a'		e.	LDR	R0,x
	BLT	L1			LDR	R1,y
	CMP	R0,'z'			LDR	R2,=5
	BGT	L1			SDIV	R0,R1,R2
	ADD	R3,R1,R2			STR	R0,x
	SUB	R0,R3,R0				
	STR	R0,ch		g.	LDR	R0,s32
					CMP	R0,-10
f.	LDR	R0,u32			BLE	L1
	LDR	R1,s32			CMP	R0,10
	CMP	R0,10			BGE	L1
	BLS	L1			LDR	R0,=0
	SUB	R1,R1,1			STR	R0,s32
	STR	R1,s32				
	B	L2				
L1:	ADD	R1,R1,1				
	STR	R1,s32				
	B	L2				

```
h.      LDR         R0,u32
        LDR         R1,min
        LDR         R2,max
        CMP         R0,R1
        BLT         L1
        CMP         R0,R2
        BLE         L2
L1:     LDR         R0,=0
        STR         R0,u32

5. L1:  LDR         R1,=0
        LDR         R2,[R0,R1,LSL2]
        B           L2
L2:     ADD         R1,R1,1
        LDR         R3,[R0,R1,LSL2]
        CMP         R2,R3
        BGT         L3
        B           L2
L3:     LDR         R2,R3
        B           L2
```