

1. Symbols

a) App.o:

00000000 D buffer
00000000 R buffer2
00000064 R buffer3
00000000 T main
 U send_string

b) Uart.o:

00000000 T send_string

c) Startup.o:

 U main
00000000 T reset
 U stack_top
00000008 t stop

d) Learn in depth.elf:

00010140 D buffer
00010078 R buffer2
000100dc R buffer3
00010010 T main
00010000 T reset
00010028 T send_string
000111a4 D stack_top
00010008 t stop

2. Sections:

a) App.o:

Idx	Name	Size	VMA	LMA	File off	Algn
0	.text	00000018	00000000	00000000	00000034	2**2
1	.data	00000064	00000000	00000000	0000004c	2**2
2	.bss	00000000	00000000	00000000	000000b0	2**0
3	.rodata	000000c8	00000000	00000000	000000b0	2**2

4	.debug_info	CONTENTS, ALLOC, LOAD, READONLY, DATA 000000f4	00000000	00000000	00000178	2**0
5	.debug_abbrev	CONTENTS, RELOC, READONLY, DEBUGGING 00000084	00000000	00000000	0000026c	2**0
6	.debug_loc	CONTENTS, READONLY, DEBUGGING 0000002c	00000000	00000000	000002f0	2**0
7	.debug_aranges	CONTENTS, READONLY, DEBUGGING 00000020	00000000	00000000	0000031c	2**0
8	.debug_line	CONTENTS, RELOC, READONLY, DEBUGGING 00000035	00000000	00000000	0000033c	2**0
9	.debug_str	CONTENTS, RELOC, READONLY, DEBUGGING 000000e9	00000000	00000000	00000371	2**0
10	.comment	CONTENTS, READONLY, DEBUGGING 00000012	00000000	00000000	0000045a	2**0
11	.ARM.attributes	CONTENTS, READONLY 00000032	00000000	00000000	0000046c	2**0
12	.debug_frame	CONTENTS, READONLY 0000002c	00000000	00000000	000004a0	2**2
		CONTENTS, RELOC, READONLY, DEBUGGING				

b) Uart.o:

Idx	Name	Size	VMA	LMA	File off	Algn
0	.text	00000050	00000000	00000000	00000034	2**2
1	.data	CONTENTS, ALLOC, LOAD, READONLY, CODE 00000000	00000000	00000000	00000084	2**0
2	.bss	CONTENTS, ALLOC, LOAD, DATA 00000000	00000000	00000000	00000084	2**0
3	.debug_info	ALLOC 0000005c	00000000	00000000	00000084	2**0
4	.debug_abbrev	CONTENTS, RELOC, READONLY, DEBUGGING 00000051	00000000	00000000	000000e0	2**0
5	.debug_loc	CONTENTS, READONLY, DEBUGGING 0000002c	00000000	00000000	00000131	2**0
6	.debug_aranges	CONTENTS, READONLY, DEBUGGING 00000020	00000000	00000000	0000015d	2**0
7	.debug_line	CONTENTS, RELOC, READONLY, DEBUGGING 0000003d	00000000	00000000	0000017d	2**0
8	.debug_str	CONTENTS, RELOC, READONLY, DEBUGGING 00000056	00000000	00000000	000001ba	2**0
9	.comment	CONTENTS, READONLY, DEBUGGING 00000012	00000000	00000000	00000210	2**0
10	.ARM.attributes	CONTENTS, READONLY 00000032	00000000	00000000	00000222	2**0
11	.debug_frame	CONTENTS, READONLY 00000028	00000000	00000000	00000254	2**2
		CONTENTS, RELOC, READONLY, DEBUGGING				

c) Startup.o:

Idx	Name	Size	VMA	LMA	File off	Algn
0	.text	00000010	00000000	00000000	00000034	2**2
1	.data	CONTENTS, ALLOC, LOAD, RELOC, READONLY, CODE 00000000	00000000	00000000	00000044	2**0
		CONTENTS, ALLOC, LOAD, DATA				

2	.bss	00000000	00000000	00000000	00000044	2**0
		ALLOC				
3	.ARM.attributes	00000022	00000000	00000000	00000044	2**0
		CONTENTS,	READONLY			
4	.debug_line	0000003a	00000000	00000000	00000066	2**0
		CONTENTS,	RELOC, READONLY, DEBUGGING			
5	.debug_info	0000004f	00000000	00000000	000000a0	2**0
		CONTENTS,	RELOC, READONLY, DEBUGGING			
6	.debug_abbrev	00000014	00000000	00000000	000000ef	2**0
		CONTENTS,	READONLY, DEBUGGING			
7	.debug_aranges	00000020	00000000	00000000	00000108	2**3
		CONTENTS,	RELOC, READONLY, DEBUGGING			

d) Learn in depth.elf:

Idx	Name	Size	VMA	LMA	File off	Algn
0	.reset	00000010	00010000	00010000	00008000	2**2
		CONTENTS,	ALLOC, LOAD, READONLY, CODE			
1	.text	00000068	00010010	00010010	00008010	2**2
		CONTENTS,	ALLOC, LOAD, READONLY, CODE			
2	.rodata	000000c8	00010078	00010078	00008078	2**2
		CONTENTS,	ALLOC, LOAD, READONLY, DATA			
3	.data	00000064	00010140	00010140	00008140	2**2
		CONTENTS,	ALLOC, LOAD, DATA			
4	.ARM.attributes	0000002e	00000000	00000000	000081a4	2**0
		CONTENTS,	READONLY			
5	.comment	00000011	00000000	00000000	000081d2	2**0
		CONTENTS,	READONLY			
6	.debug_line	000000ac	00000000	00000000	000081e3	2**0
		CONTENTS,	READONLY, DEBUGGING			
7	.debug_info	0000019f	00000000	00000000	0000828f	2**0
		CONTENTS,	READONLY, DEBUGGING			
8	.debug_abbrev	000000e9	00000000	00000000	0000842e	2**0
		CONTENTS,	READONLY, DEBUGGING			
9	.debug_aranges	00000060	00000000	00000000	00008518	2**3
		CONTENTS,	READONLY, DEBUGGING			
10	.debug_loc	00000058	00000000	00000000	00008578	2**0
		CONTENTS,	READONLY, DEBUGGING			
11	.debug_str	000000c3	00000000	00000000	000085d0	2**0
		CONTENTS,	READONLY, DEBUGGING			
12	.debug_frame	00000054	00000000	00000000	00008694	2**2
		CONTENTS,	READONLY, DEBUGGING			