

input				expected	segment						
x1	x2	x3	x4	output	0	1	2	3	4	5	6
0	0	0	0	0	0	0	0	0	0	0	1
0	0	0	1	1	1	0	0	1	1	1	1
0	0	1	0	2	0	0	1	0	0	1	0
0	0	1	1	3	0	0	0	0	1	1	0
0	1	0	0	4	1	0	0	1	1	0	0
0	1	0	1	5	0	1	0	0	1	0	0
0	1	1	0	6	0	1	0	0	0	0	0
0	1	1	1	7	0	0	0	1	1	1	1
1	0	0	0	8	0	0	0	0	0	0	0
1	0	0	1	9	0	0	0	0	1	0	0
1	0	1	0	A	0	0	0	1	0	0	0
1	0	1	1	b	1	1	0	0	0	0	0
1	1	0	0	C	0	1	1	0	0	0	1
1	1	0	1	d	1	0	0	0	0	1	0
1	1	1	0	E	0	1	1	0	0	0	0
1	1	1	1	F	0	1	1	1	0	0	0

