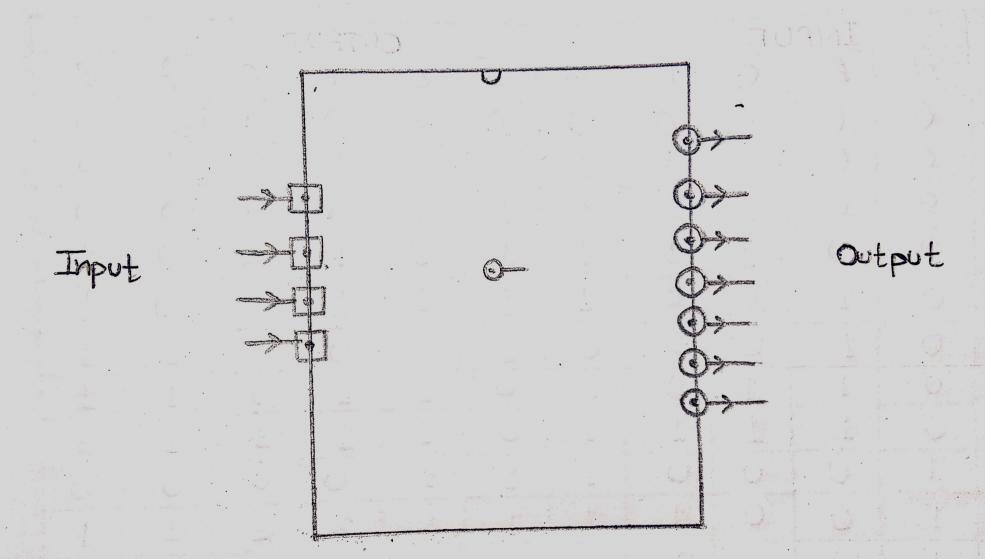
Block Diagram of 7-segment



Seven Segment Decoder Truth Table

	INPUT OUTPUT										
LED	A	8	C	D	O	6	Ĉ		0	.4	9-
NULL	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	1	1	1	1	1	1	0
1	0	0	1	0	0	1	.3	OLI	0	0	0
2	Quy !	0	1	1	1	4	0	1 0	1	0	UC/ =
3	0	1	Ö	0	1	1	1	11	0	0	1
4	0	1	0		0	1	1	O	O	1	1
5	0	1	1.1	0	1	0	1	1	0	1	1
6	0	1	1	1	1	0	1	1	1	1	1
7	1	0	0	0	1	1	1	0	0	0	0
8	1	0	0	1	1	1	1	1	1	1	1
9	1	0	1	0	1	1	1	1	0	1	1
i Kingar	1	0	1	I	0	0	1	0	1	0	1
O	1	1	0	0	0	0	1	1	1	0	1
12	1	1	0	1	X	X	X	X	×	X	X
13	1	1	1	0	X	X	X	X	X	X	X
14	1	1	1	1	X	X	X	×	X	X	×

Karnaugh Maps Simplification

	-				
	A8/00	00	01	11	10
	00	0	1	1	0
Los Control	OI	1	0	1	1
-	11	0	X	×	/ X
=	10	1	1	0	1

a= A'B'D+A'BB'+AB'C'+AB'D'

P.Bled	00	01	11	10
00	0	1	0	1
O)	1	1	1	1
11	1	×	X	×
10	1	1	1	1

c = c'D + CD' + B+A

				A TOTAL OF THE PARTY OF THE PAR
pB cD	00	01	11	10
00	0	1	1	1
01	1	1	0	0
11	0	×	×	×
10	1	0	0	1

b= e'D+A'B'C+A'BC'+AB'D

ABIOD	00	01	11	10
00	Q	1	1	0
01	1	0	1	1
11	1	×	×	×
10	0	1	0	1

d = ARD +B'e'D+BD'+BC+ACD'

ngled	00	01	11	10
∞	0	1	1	0
01	0	0	1	0
31	1	×	×	×
10	0	1	1	0

e=BD+CD+A	B	AF	A	4	D	C	+	D	3	e =
-----------	---	----	---	---	---	---	---	---	---	-----

asico	00	01	11	10
00	0	1	0	0
01	0	1	1	1
11	0	×	×	×
10	0	1	0	1

f = C'D+BC+ACD'

ABICD	00	01	11	10
00	0	0	1	0
01	1	1	1	1
11	1	×	×	×
10	0	1	1	1

g= CD+B+AD+AC