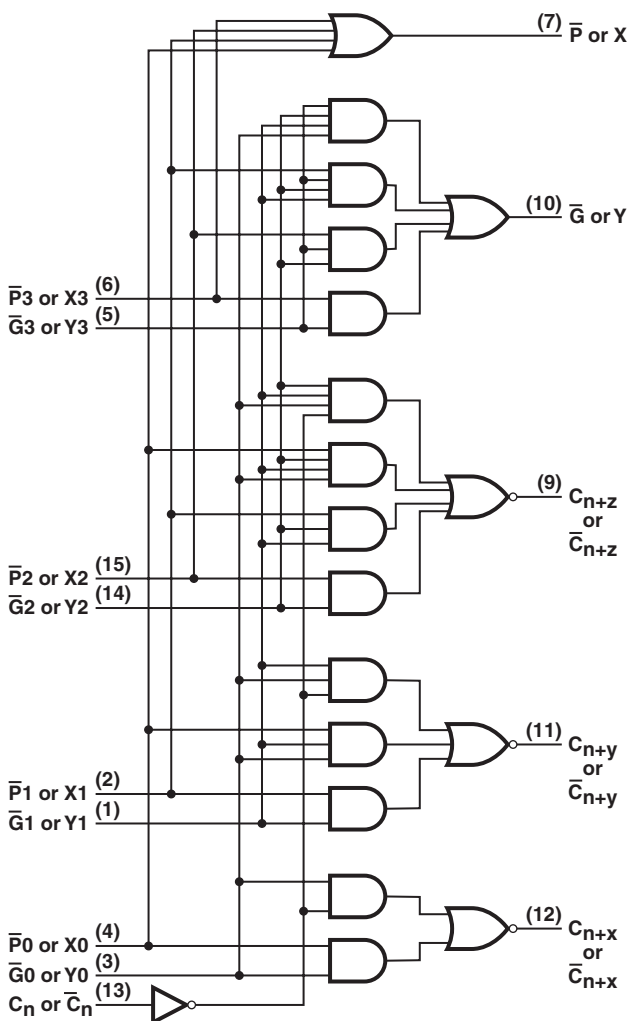


Logic Diagram



FUNCTION TABLE

\bar{G} OUTPUTS

INPUTS							OUTPUT
\bar{G}_3	\bar{G}_2	\bar{G}_1	\bar{P}_3	\bar{P}_2	\bar{P}_1	\bar{P}_0	\bar{G}
L	X	X	X	X	X	X	L
X	L	X	X	L	X	X	L
X	X	L	X	L	L	X	L
X	X	X	L	L	L	L	L
All other combinations							H

\bar{P} OUTPUTS

INPUTS				OUTPUT
\bar{P}_3	\bar{P}_2	\bar{P}_1	\bar{P}_0	\bar{P}
L	L	L	L	L
All other combinations				H

C_{n+x} OUTPUTS

INPUTS			OUTPUT
\bar{G}_0	P_0	C_n	C_{n+x}
L	X	X	H
X	L	H	H
All other combinations			L

C_{n+y} OUTPUTS

INPUTS					OUTPUT
\bar{G}_1	\bar{G}_0	P_1	P_0	C_n	C_{n+y}
L	X	X	X	X	H
X	L	L	X	X	H
X	X	L	L	H	H
All other combinations					L

C_{n+z} OUTPUTS

INPUTS							OUTPUT
G2	G1	G0	P2	P1	P0	C _n	C _{n+z}
L	X	X	X	X	X	X	H
X	L	X	L	X	X	X	H
X	X	L	L	L	X	X	H
X	X	X	L	L	L	H	H
All other combinations							L

ELECTRICAL CHARACTERISTICS AND RECOMMENDED OPERATING CONDITIONS

PARAMETER	MAX or MIN	TTL	S	AS	UNIT
I_{CC}	MAX	72	109	36	mA
I_{OH}	MAX	-0.8	-1	-2	mA
I_{OL}	MAX	16	20	20	mA

SWITCHING CHARACTERISTICS

PARAMETER	INPUT	OUTPUT	MAX or MIN	TTL	S	AS
t_{PLH}	C_n	$C_n + X, C_n + Y$ or $C_n + Z$	MAX	10	10	10
t_{PHL}				10.5	10.5	9.5
t_{PLH}	P or \bar{G}	$C_n + X, C_n + Y$ or $C_n + Z$	MAX	7	7	10.5
t_{PHL}				7	7	6
t_{PLH}	P or \bar{G}	\bar{G}	MAX	7.5	7.5	12
t_{PHL}				10.5	10.5	8
t_{PLH}	\bar{P}	\bar{P}	MAX	6.5	6.5	7.5
t_{PHL}				10	10	6

UNIT: ns