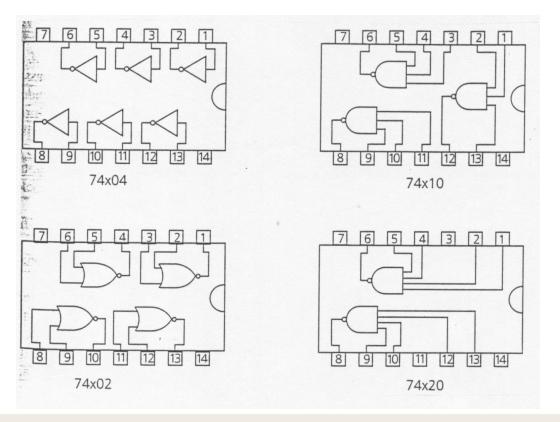




Circuiti di interconnessione e di I/O

A.Carini – Elettronica digitale

Circuiti logici standard







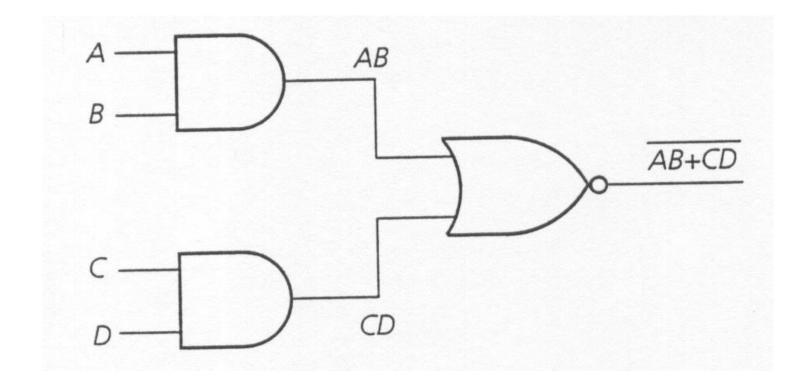
Caratteristiche Porte Standard

Tabella 9.1 Caratteristiche elettriche di porte standard CMOS, TTL, ECL.

Famiglia logica		CMOS-AC		TTL-ALS	ECL 10 K	ECL 100 K
tp	(ns)	4.75		4	2	0.7
P _D /porta	(mW)	Statica: Totale: f = 0.1 MHz f = 1 MHz f = 10 MHz	0.005 0.08 0.75 7.5	1.2	(senza carico) 26	(senza carico) 40
t _P · P _D	(b1)	f = 0.1 MHz f = 1 MHz f = 10 MHz	0.4 3.6 36	5	52	28

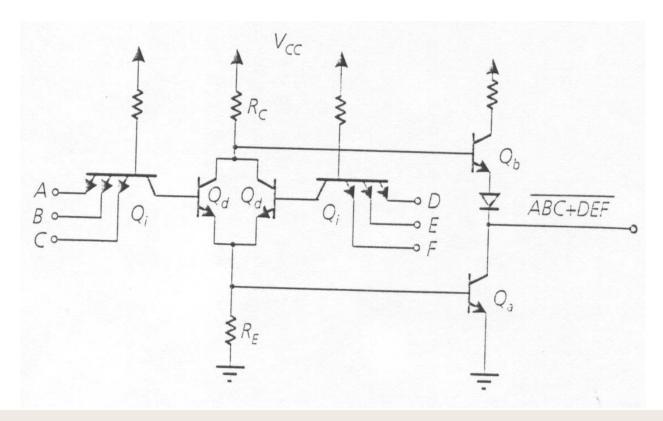






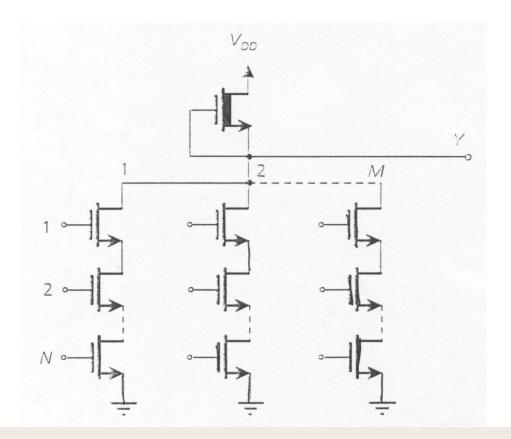






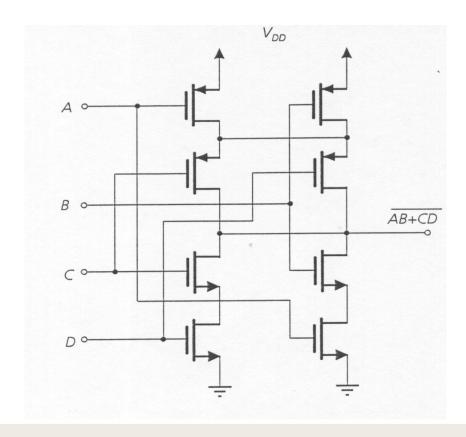






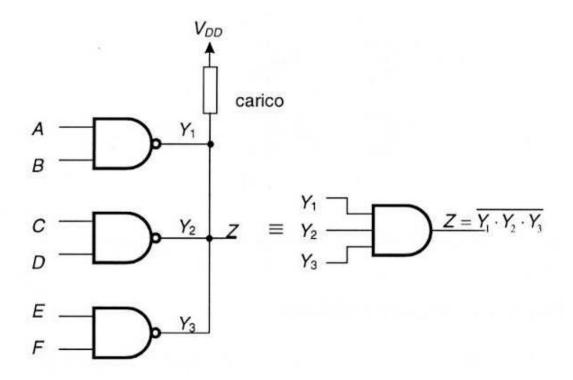




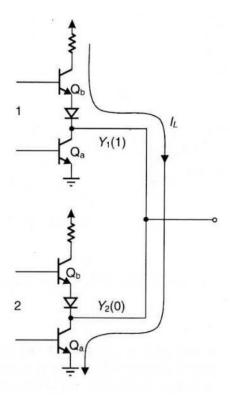






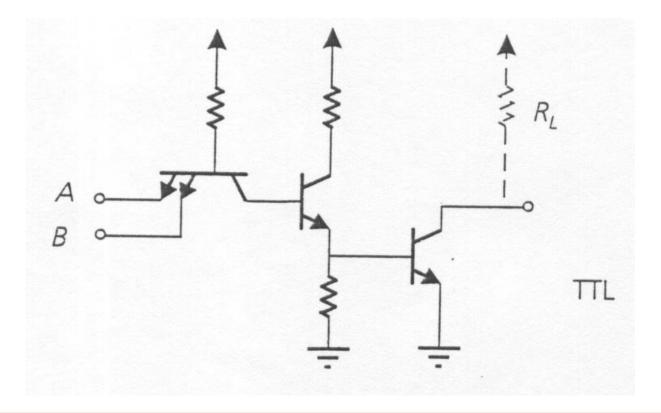






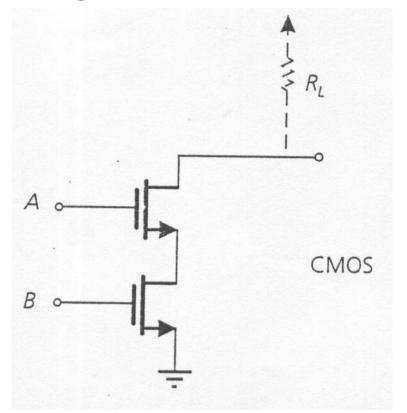


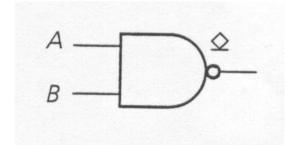






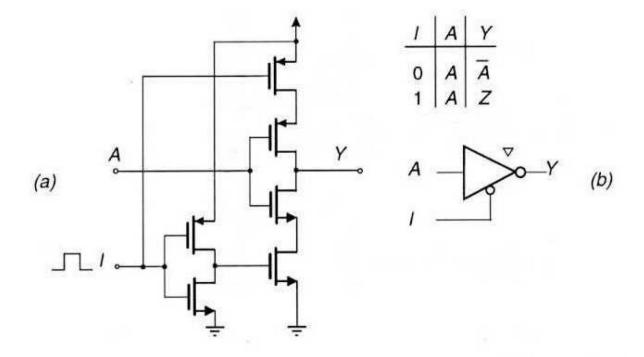




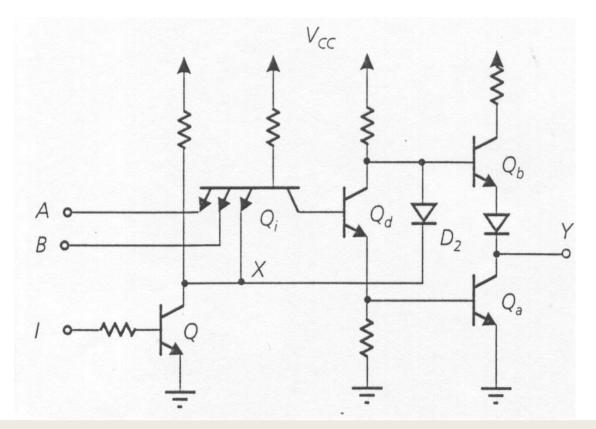






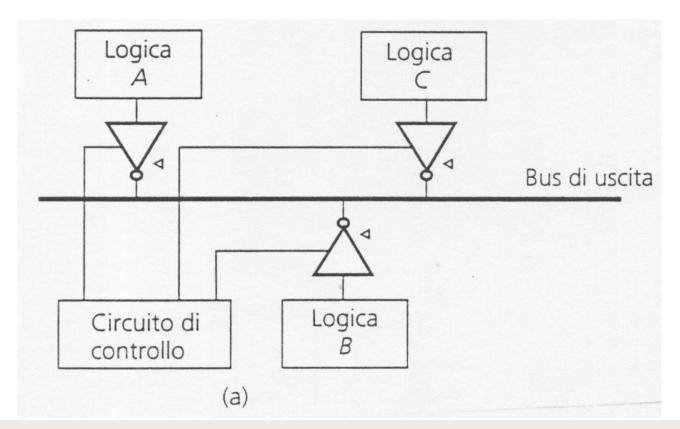






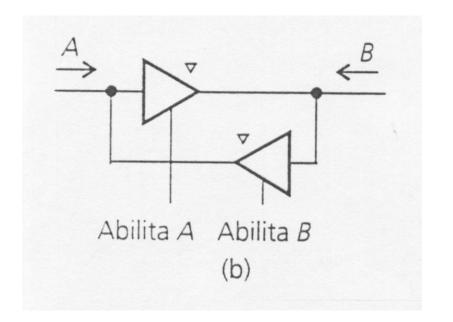


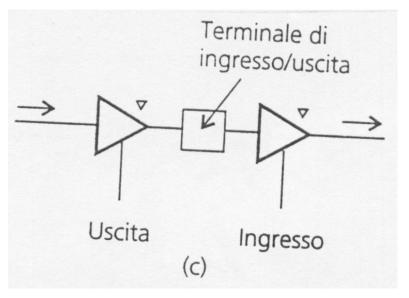
















Vedere:

- Paolo Spirito, "Elettronica Digitale", Ed. McGraw-Hill
 - Cap. 10.1-10.4



