Design of Complex Boolean Expression using CMOS:

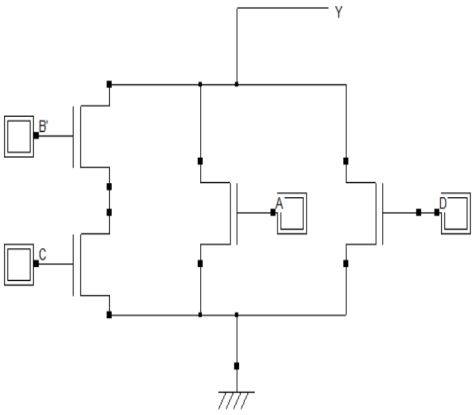
Y=[(A+B'.C)+D]'

Design the above boolean expression using CMOS

Pull Down Network:

Our objective is to make Y=0

Y'=[(A+B'.C)+D]



Do it yourself in copy

Y=[(A.B'+C').D]

Pull Up Network:

Our objective is to make Y=1

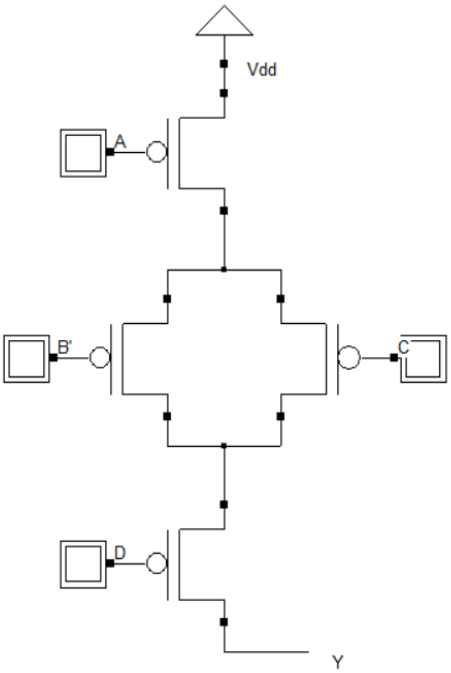
Y=[(A+B'.C)+D]

Y=(A+B'.C).D

Y=A.(B'.C).D

Y=A.(B+C).D

Y=A.(B+C).D



FINAL DESIGN