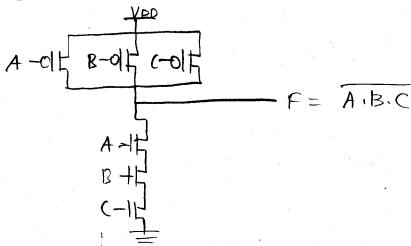
## 1 NOR4.

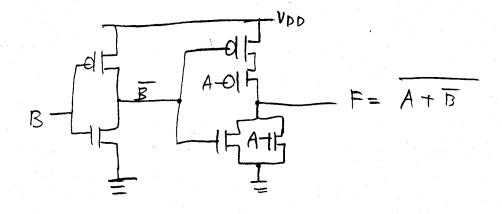
A -d| 
$$=$$
 4 pfets in solves in pull-up network.

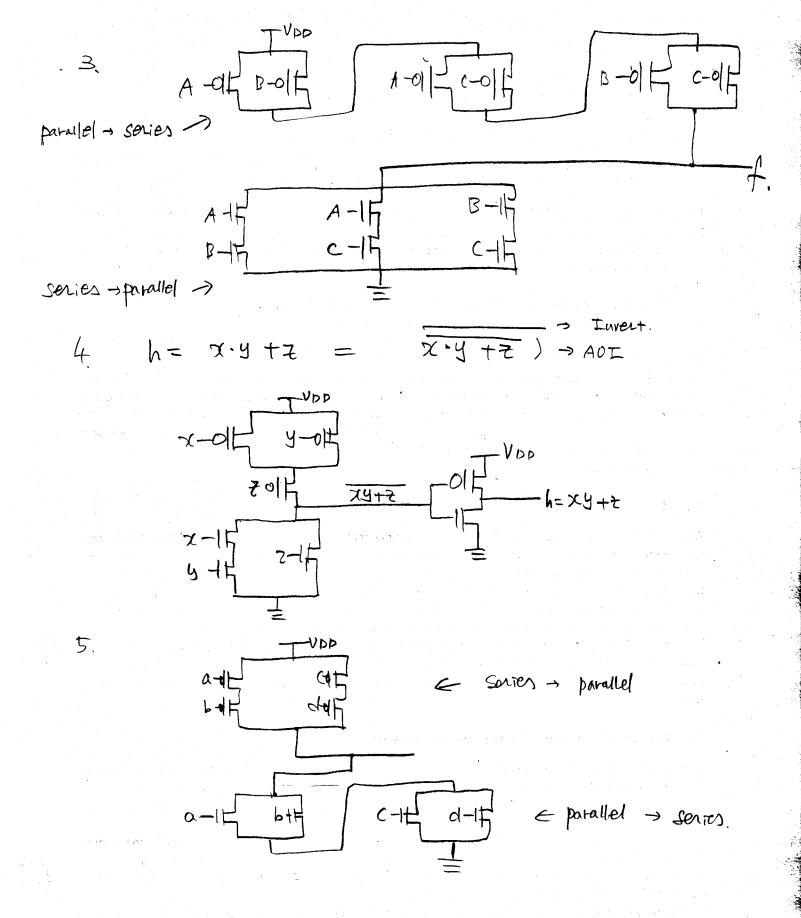
C-0|  $=$  4 pfets in solves in pull-up network.

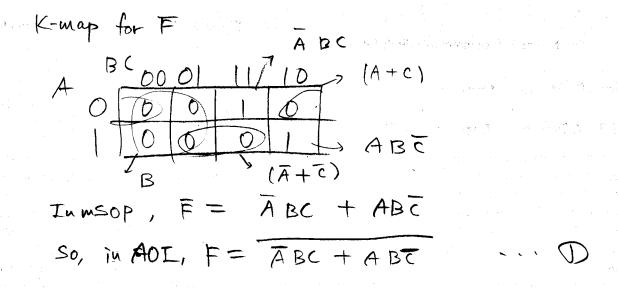
 $=$  A-1|  $=$  B-1| C-1| D+1|  $=$  4 ufets in parallel in pull-down network.

## NANP3

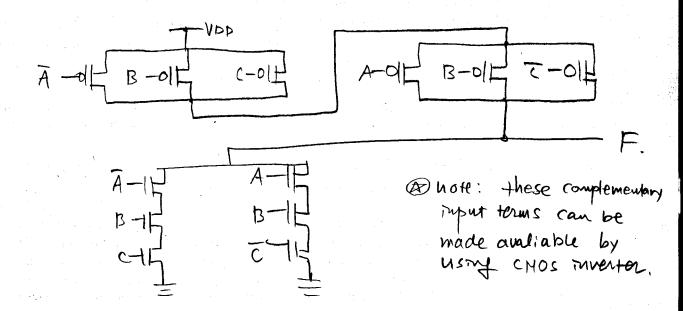








CMOS gate for D.



## CMOS gate for - 2

