

VTN = 1/TP1 = 0.3V

a) which one consumes static power? at high input?

 \rightarrow (i), (ii), (iii).

cmos (iv), has no current flow due to prusence of a PMOS (at OFF state)

Another cases, since NMos is ON current flows >> static power consumed

- b) Static power at low input?
 - → None
- No current is drawn, since PMOS NMOS are off state in every care

(c) $V_{OH} = 1.2V %$ (2) (21) (1V)

(e) VOL = 0 V ? (\v) Since boll For 2, 21, 111 = current is decauon => to Vout is found by voltage divider network -> Henre Vout = 0 # For CMOS; PMOS is open => Nout=0 رای برانی رژانا) All except cmos au dependent on size of dévices