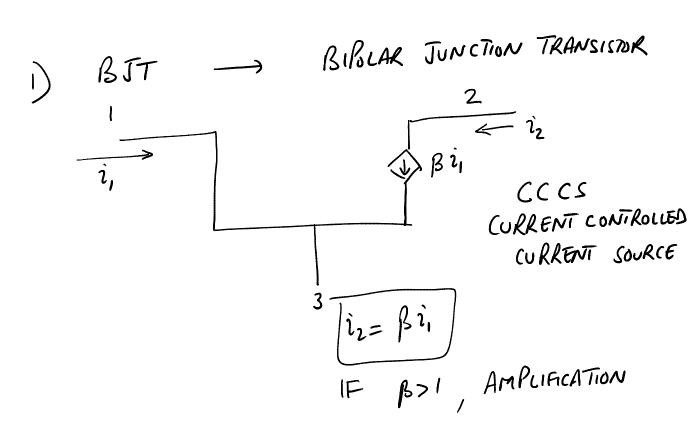
PART B

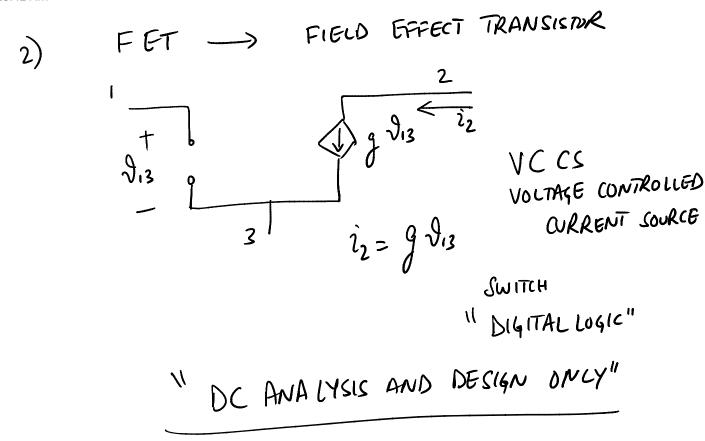
TRANSISTURS

3 TERMINAL DE VICES -> VOLTAGE OF

CURRENT AT DNE TERMINAL CONTROLS

THE ELECTRICAL BEHAVIOR AT OTHER TERMINAL





"IV CHARACTERISTICS"

SET OF CURVES -> EACH CURVE CORRESPONDS

TO A DIFFERENT VALUE OF CONTROL SIGNAL

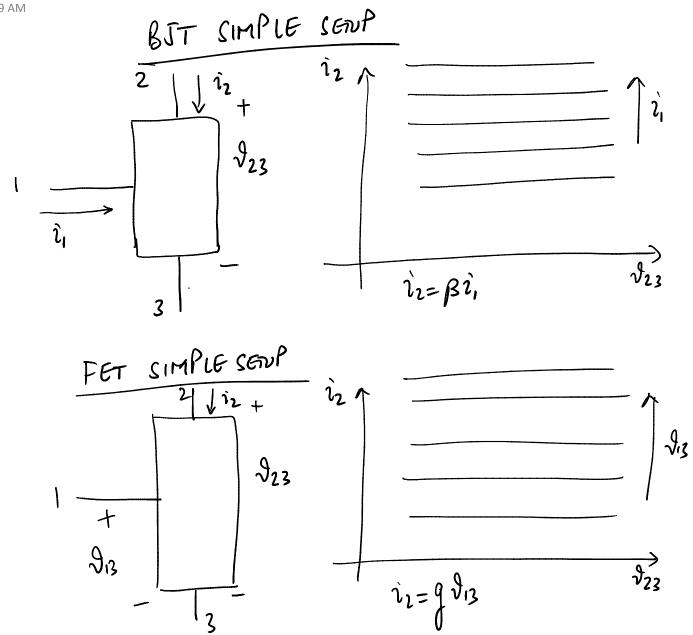
CURRENT OR VOLTAGE) LEADING TO DIFFERENT

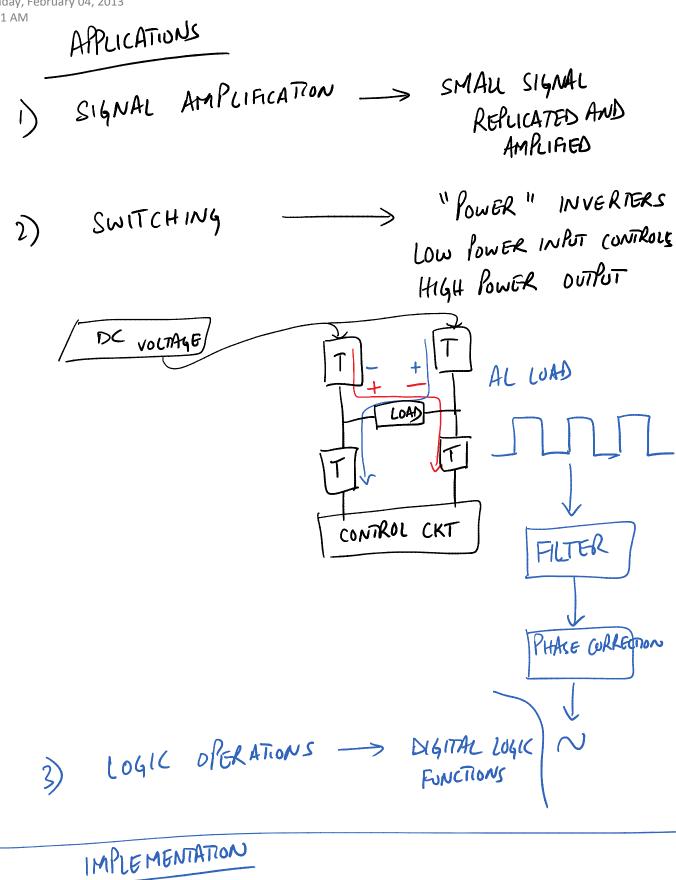
OPERATING REGIONS

BIASING IS NEEDED TO OPERATE THE DEVICE IN SPECIFIC OPERATING REGION

BJT -> AMPLIFICATION REQUIRES BIASING,
USING EXTERNAL CIRCUIT, IN ACTIVE REGION

3 OPERATING REGIONS (1) CUT-OFF 2) NON-SATURATION (TRIODE) 3) SATURATION AMPLIFIER





DICCRETE ->

