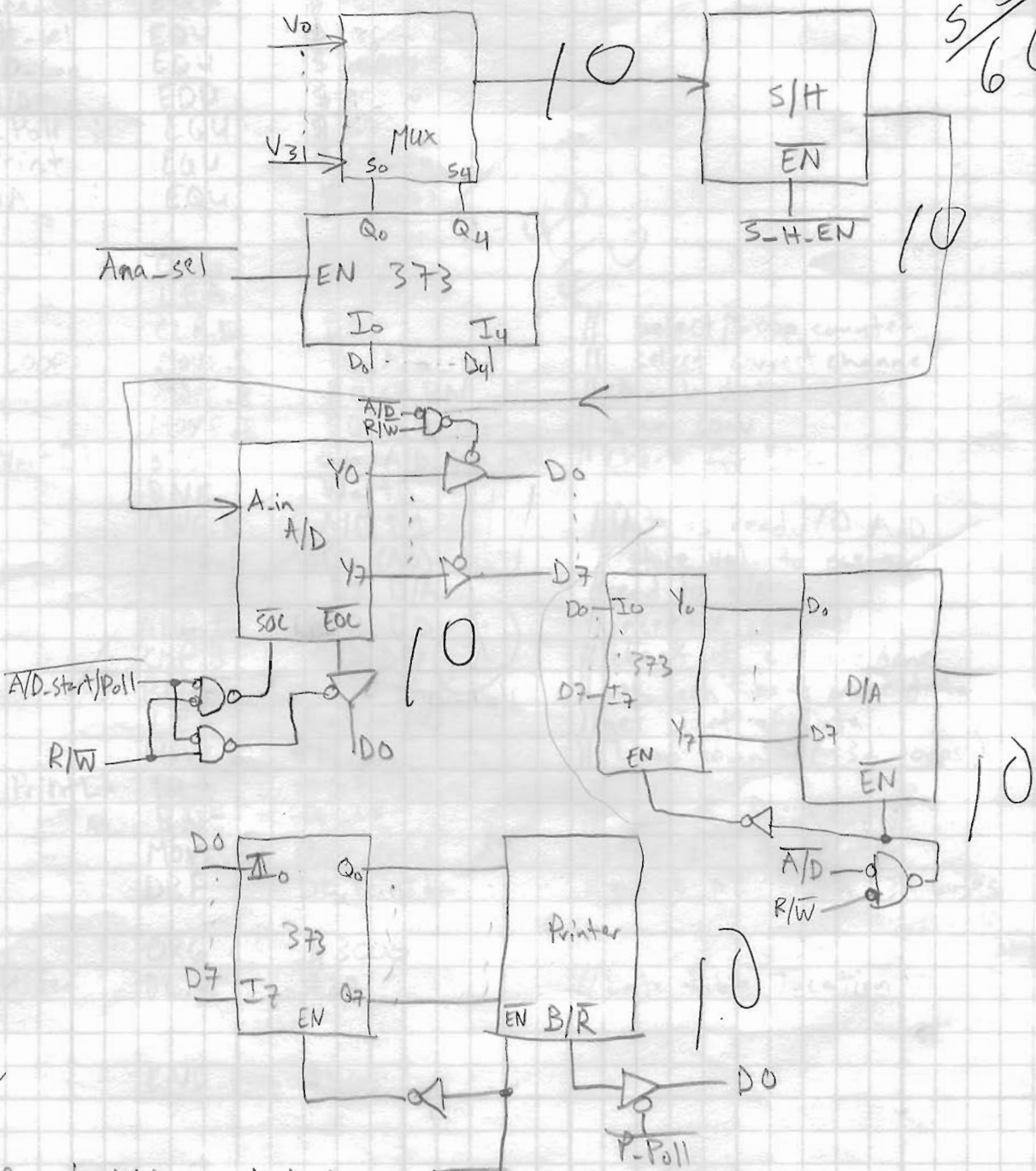
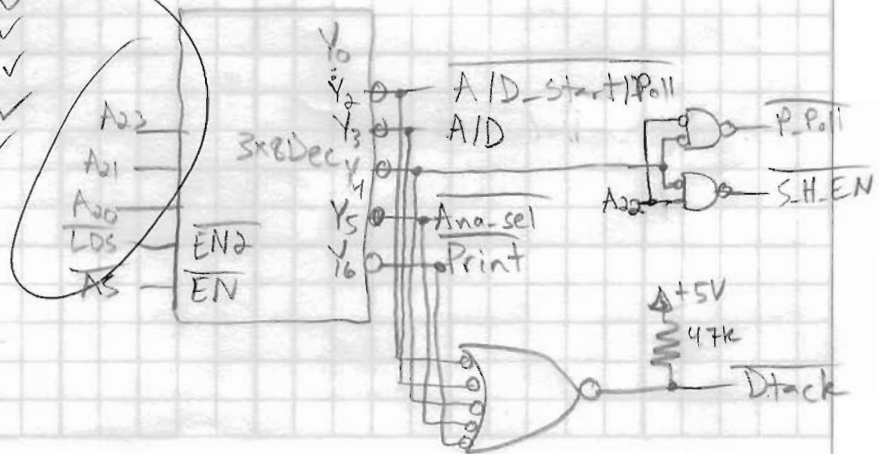


5/60

A)



Per	Addr	$A_{23} A_{21} A_{20}$	Print
Ana_sel	1001	1 0 1 ✓	
S-H-EN	1100	1 0 0 ✓	
A/D_start/Poll	0010	0 0 0 ✓	
A/D	0011	0 0 1 ✓	
P-Poll	1000	1 0 0 ✓	
Print	1010	1 1 0	



B)

```

Ana_sel: EQU $900001
SH_sel: EQU $C00001
A/D_Con EQU $200001
A/D EQU $300001
P_Poll: EQU $800001
Print: EQU $A00001
DA: EQU $300001

```

} Same addr.

40  
4

```

ORG $400
LEA Buffer, AO
CLR.L DO
LOOP: MOVE.B DO, Ana_sel
      MOVE.B $0, SH_EN
      MOVE.B $0, A/D_Con

```

```

// Select/loop counter
// select correct channel
// sample data
// start conv
// check for EOC

```

```

WaitD: BTST #0, A/D_Con
      BNE WaitD
      MOVE.B A/D, D1
      MOVE.B D1, (AO)+
      MOVE.B D1, DA
      ADD.B #2, DO
      CMP.B #32, DO
      BNE Loop

```

```

// Data is ready @ A/D
// store val. to mem.
// send to D/A
// increase channel #
// check if we are done
// we aren't get more data
// get start of Data
// Loop counter (32 loops)

```

```

PrintL: BTST #0, P_Poll
      BNE PrintL
      MOVE.B (AO)+, Print
      DBF DO, PrintL

```

```

// Wait for Printer
// send data to printer
// print all Data (32 bytes)

```

```

Buffer: ORG $3000
      DC.B #32

```

// Data table location

```

END $400

```

22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS

