Output	ELEMENT	Input
$p0_1$	23J5	$p0_0$
$p0_2$	25R3	"
$p0_3$	12K1	"
$p0_4$	12K2	"
$p1_1$	23P4	$p1_0$
$p1_2$	32C5	"
$p1_3$	12F6 (OR gate)	"
$p1_4$	13Q2	"
$p2_1$	23P1	$p2_0$
$p2_2$	12F1	"
$p3_1$	23P2	$p3_0$
$p3_2$	11V1	"
$p4_1$	23P3	$p4_0$
$p5_1$	12F2	$p5_0$
$p6_1$	13S3	$p6_0$
$p7_1$	13S4	$p7_0$
$p8_1$	23D4	$p8_0$
$p9_1$	13S6	$p9_0$
$p10_1$	13U4	$p10_0$
$p11_1$	13R1	$p11_0$
$p12_1$	13R3	$p12_0$
$p18_1$	24D1	$p18_0$
$p18_2$	24D6	"
$p19_1$	24D3	$p19_0$
$p20_1$	24D4	$p20_0$
$p24_1$	24G1	$p24_0$
$p25_1$	24G3	$p25_0$
$p26_1$	24G4	$p26_0$
$p26_2$	13Q3	"

Output	ELEMENT	Input
$p27_1$	24L6 (OR gate)	$p27_0$
$p28_1$	24G6	$p28_0$
$p28_2$	25S2	"
$p29_1$	32D3	$p29_0$
$p29_2$	13R6	"
$p31_1$	23D3	$p31_0$
$p32_1$	23D1	$p32_0$
$p34_2$	13T1	$p34_0$
$p35_1$	13T3	$p35_0$
$p36_1$	23G6	$p36_0$
$p36_2$	13Q4	"
$p37_1$	23G4	$p37_0$
$p37_2$	23J4	"
$p37_3$	13T4	"
$p38_1$	23G3	$p38_0$
$p38_2$	31G4	"
$p38_3$	13T6	"
$p39_1$	23G1	$p39_0$
$p39_2$	13V1	"
$p39_3$	20Q5	"
$p39_4$	23J1	"
$p39_5$	32C6 (OR gate)	"
$p39_6$	13U3	"
$p40_1$	23J2	$p40_0$
$p40_2$	34P3	"
$p40_3$	34M3	"
$p40_4$	34M2	"
$p40_5$	22P5	"
$p40_6$	31E1 (single delay)	$p39_5$
$p40_7$	11V6	$p40_0$
$p40_8$	13V2	"
$p41_1$	23J3	$p41_0$
$p41_2$	35D1	"
$p41_4$	13V4	"

Output	ELEMENT	Input
$\sim p0_0$	23L3 (inverter)	$p0_0$
$\sim p0_1$	30G5	$\sim p0_0$
$\sim p0_2$	25R1	"
$\sim p0_3$	25R2	"
$\sim p1_0$	23L1 (inverter)	$p1_0$
$\sim p1_1$	31G5	$\sim p1_0$
$\sim p2$	22D3 (inverter)	$p2_0$
$\sim p3_0$	23U2 (inverter)	$p3_0$
$\sim p3_1$	11V4	$\sim p3_0$
$\sim p11_0$	23U1 (inverter)	$p11_0$
$\sim p11_1$	22Q6 (OR gate)	$\sim p11_0$
$\sim p12_0$	12Y3 (inverter, also generating V7)	$p12_0$
$\sim p12_1$	11R1 (AND gate)	$\sim p12_0$
$\sim p27$	22D2 (inverter)	$p27_0$
$\sim p29$	23K3 (inverter)	$p29_0$
$\sim p36$	26P1 (inverter)	$p36_0$
$\sim p37$	33C3 (inverter)	$p37_0$
$\sim p39_0$	23K1 (inverter)	$p39_0$
$\sim p39_1$	31R1	$\sim p39_0$
$\sim p39_2$	34X2	"
$\sim p40_0$	23K2 (inverter)	$p40_0$
$\sim p40_1$	30R2	$\sim p40_0$
$\sim p40_2$	24U2	"
$\sim p40_3$	34E2	"
$\sim p40_4$	34M1	"
$\sim p40_5$	34P2	"
$\sim p40_6$	13V2	"
$\sim p41$	23L2	$p41_0$
$\sim p41_1$	30R3	$\sim p41_0$
$\sim p41_2$	25S1	"

FIG. 5.3 p-PULSE REPEATERS AND INVERTERS