

c'd, a'b', a'd, ac', ad', b'd', b'c A B C D E F G (5) (6) (5) (5) (5) (6) (6) 11519 112 11517 819112 8112 218 11815

40 pts

2)		T	2	5	17	9	9	12	cost
	A	X		X			X		5
	В	X	X						6
_	0	X		X					5
	D					X	X	X	5
	£					X		X	5
	F		X			X			6
	6	X				X	X		6

7 is the disthypaiched point C is the prime implicant.

35 Pt)

		2	8	9	12	coot
V)			X		5
	B	X				6
	D		X	X	X	5
	E		X			5
	F	X	X			6
_	6		X	X		-6

D covers P, £ and 6, with
equal or less cost.

B and f have equal cost.

Both con be used.

f = C+D+B or f = C+D+F

f = a'd + ac' + a'b' or f = a'd + ac'+k

5+5+6=16 cos+

3) Both functions have the same cost, but first one can be implemented with one gate less.

