Homework Z

	f, (a,b,L)= \(\int m(0,4,5,6) \)
	ab 00 01 11 10 b) Pairs! MD & m 4 m 4 & m 4 & m 4 & m 6 (p'c') (ab') (ac') c) Non-Pairs! P d) fi(a, b, c) = b'c' + ab' + ac'
	Cost: Three 2-input AND, One 3-Input OR (4 Gates Hall)
	e) All according
	e) All essential, same coot
	f2(ab,c)=TTM(0,1,5,6)
	a) 0 0 12 06 1 4 b) Pairs: m2 & m3 (abb, m3 & m) (be)
	a) 0 0 1 1 0 b) Pairs: m2 & m3 (a'b), m3 & m7 (bc) a) 0 0 1 1 0 c) Non Pairs: m4 (ab'c')
	d) f2(a,b,c) = a o + o c + a o o
-	One 3 input OR (4 Gates Hotal)
	10 inputs
	e) All essential, same cost
	foliable) = a'b' + a'e +abe + ab'e'
	a) 2 00 01 11 10 b) Pairs: mo&ml (all), mo&ml(b'c), ml &m 3 (a'c), m 3 & n 7 (bc)
	1 (1) (1) 1) 0 5 c) Non-Pairs: 0
	A) f3 (a,b,c) = ab' + b'c' + a'c + bc
	cost: Four 2-input AND, one 4-input of
	(5 Gates total) 12 inputs
	e) Essential 2 no & my (bc), m3 & n7 (bc)
	Optional: no kml (ab), mllem3 (a'c)
	new minimal: f3 (a, b, c) = b'c' + a'b' + bc (uin) holding
	(4 Getes total)
	* One less 2-input AND, 3-input OR
- Transp	* One less 2-input TIVU,

motend of one 4- input OR

and 3 less inputs







