CPTI- 10							
	MEXC	DIGT	P(0B)	P(-0B)			
1177	1111111	101 to 1011	11 / Kin	(()) P			
1 011	NO	Bad	0.6	0.4			
	NO	Good	0.1	0.9	4		
	YES	Bad	0.1	0.9			
	YES	Good	0.05	0.95			
		l l	Y				
STATE OF THE STATE							
Ferom the model we know that obesity (0B)							
is dependent on two parent valuables							
and and to Exception & MEXC) and all (DIE!).							
to it will have total 2 = 9 combination							
U	in the cet which all given.						
The state of the s							
bayes theoliem and joint perobability							
bank theoliem and joint perobability							
destelibution.							
Bayer theoriems							
P(B/A) = P(MB) P(B)							
PCA							
Landhard L							
raint Perobability distribution?							
$P(x_1, x_2, x_n) = TT(P(x_i/Pauent(x_i))$							
P(21,22,2n) = TT (Y(2)) ((U))							
1121							

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	Now to calculate Perob. Of obesity 1-
	P(OB) = P(OB) NO MEXC, Bad diet) * P(no mexc) * P(Bad diet)
au	
comb-	gruen + P(good diet)* P(no mext)
cour-	CPT P(08) Yes mexc, bad diet) * P(Yes mexc) * P(bad diet)
	the state of the s
	P(0B) Yes MEXC, good diet) * P(Yes &MEX) * P(good diet)
	Elle take Perob, af MEXE and diet ferom
	P(NO MEXC) = 0.5 P(Bad Cliet) = 0.4 P(Yes MEXC) = 0.5 P(good diet) = 0.6
	; P(OB) 5 (0.6) * (0.5) * (0.4) +
	$\frac{(0.1)*(0.5)*(0.6)+}{(0.1)*(0.5)*(0.4)+}$
	(0.05) * (0.5) * (0.6)
	= 0.12 + 0.03 + 0.02 + 0.015 = 0.185
	20 2 200 100 100 100 100 100 100 100 100
	P(0B) = 0.185 (calculated accounting to use input