## 5) CONDITIONAL PROBABILITY

GIVEN:

P(nonitoring (ALORKE INTAKE = YES) = 0,0454761
P(FREQUENCY OF PHYS ACTIVITY = HIGH ACTIVITY) = 0,0563714
P(NOBESITY = NORTHAL\_WEIGHT) = 0,12884894

0BESITY = INSUFFICIENT\_WEIGHT) = 0,12884894 SNOT OVERWEIGHT 0,1359545 = 012648035

P(N=NO Inc ,= 455 , FPA= HA)=

P(nc1=485, CP4=HA | N=NO). P(N=NO)

Praci= TES (FPA=HA)

P(nc1=45, FP4=4+1N=No)=

P(MC1=TES). P(FAY=HA)-+(N=NO)

0,0454761.0,0563714.0,2648035=0,0006736

P(hc1=4=5, FPA=HA) = P(hc1=4=5). F(FPA=16+)= 0,0454761.0;0563714 = 0(0025619

$$P(nc) = YES, FPA = HA) =$$
 $P(nc) = YES, FPA = HA | N = NO) \cdot P(N = NO) +$ 
 $P(nc) = YES, FPA = HA | N = O) \cdot P(N = O) =$ 
 $0.0016776 \cdot 0.2648035 +$ 
 $0.0025636 \cdot (1 - 0.2648035) = 0.0020642$ 
 $P(nc) = YES, FPA = HA | N = O) =$ 
 $P(nc) = YES, FPA = HA | N = O) =$ 
 $P(nc) = YES, FPA = HA | N = O) =$ 
 $P(nc) = YES, FPA = HA | N = O) =$ 
 $P(nc) = YES, FPA = HA, FPA = HA) =$ 
 $P(nc) = YES, FPA = HA, FPA =$ 

0,0006776 . 0,2648635 = 0,0869251 0,0120642