Assignment-2 14/mar/2020 Test 2 Test [ PPC (1) (D) 28 PIC .98 98 PN/C .02 HIC NNC MNINC .97 Mo Cancer (NC) NINC 97 97 NP NC PINC • D3 PPINC P (C|PP) = ? P (HC(PP)

$$P(P)$$
=  $.98 \times .98 \times .008$ 

$$(.98 \times .98 \times .008) + (.03 \times .008)$$

a) P(c/PP) = P(PP/c) x P(c)

$$= \frac{.98 \times .98 \times .008}{(.98 \times .98 \times .008) + (.03 \times .03 \times .992)}$$

$$= \frac{.0077}{.0077 + .0009} = \frac{.0077}{0.0086} = 89$$

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-=89.53/

$$\frac{(.98 \times .98 \times .008) + (.03 \times .03 \times .992)}{.0009} = 0.104 = 10.4\%$$