

PMP LAB 3

Al Ihtiar Peter

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1

$$P(C) = 0.0005$$

$$P(I) = 0.01$$

$$P(I|C) = 0.03$$

$$P(A) = 0.0001$$

$$P(A|C) = 0.02$$

$$P(A|I) = 0.95$$

$$P(A|C,I) = 0.98$$

$$2) P(C|A) = P(A|C) * P(C) / P(A) = 0.02 * 0.0005 / 0.0001 = 0.1$$

$$3) P(I|\neg A) = P(\neg A | I) * P(I) / P(\neg A) = 0.05 * 0.01 / 0.0001 = 0.0005$$