$$P(O) = 0.05$$

$$P(O \cap D) = 0.05 \times 0.99 = 0.0495$$

$$P(O \cap \overline{D}) = 0.05 \times 0.01 = 0.0005$$

$$P(\overline{O} \cap D) = 0.95 \times 0.10 = 0.095$$

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