## 1

.    n      m.     $m/n$.    .    n  10.    8        .

$$[0.1, 0.9, 0.2] \tag{1}$$

 n  1000.      .

$$[0.45, 0.51]$$

,         .           .         .
          .           .  python       .

## 2

$$P(A \cup B) = P(A) + P(B) \tag{2}$$

(1).