```
2. Plausible inference
     (a) Assuming that A is true => P(B|A) 7, P(B) ~
      (c) mit (a) and P(B|A) = \frac{P(A|B)P(B)}{P(A)}
                 haben wir PCAIB) P(B) 7.PCB)
                              => P(AIB) >, P(A) /
     (b) weil p(B|A) \leq p(B) \iff \frac{P(A|B)p(B)}{P(A)} \leq P(B) (Bayer's rules)
                              € P(7A1B) < P(7A)
                              ← 1- PCAIB) ≤ 1- PCA)

⇒ P(A) ≤ P(AIB)

√

                         same as (c)
    (d) weil P(A| \neg B) \leq P(A) \iff \frac{P(\neg B|A)P(A)}{P(\neg B)} \leq P(A)

⇒ P(¬BIA) ≤ P(¬B)

                                ← 1- P(BlA) ≤ 1-P(B)
                                ( P(B) < P(BIA)
```

same as (a) v.