Likeli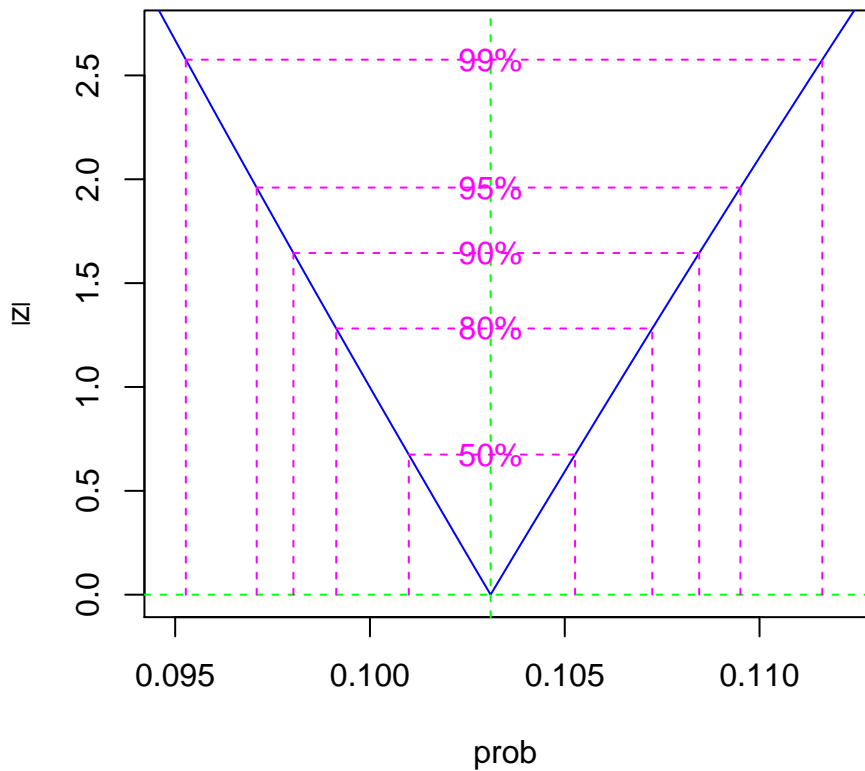hood profile: prob   **Likelihood profile: theta**