**B-3: Value Range Propagation**

**Question 1:**

In the file B-3.c, what values can variable `a' take? Will the `if’ condition [a < 4] ever be true? Inspect the file B-3.c.\*.vrp1 to analyze the dump.

**Answer:**

Variable ‘a’ will takes the value from 4 to 99. The ‘if’ condition [a < 4] never be true as ‘a’ cannot be less than 4.