FCP035

```
        START

          │
          ▼
     N = INPUT()

          │
          ▼
       I = 2

          │
          ▼
         If
       I < N/2  ── FALSE ──→
          │
        TRUE
          │
          ▼
         If
      N % I == 0  ── FALSE ──→  I = I + 1
          │
        TRUE
          │
          ▼
     PRINT ("NO")

          ▼
     PRINT ("YES")

          │
          ▼
        STOP
```