1. Normalize
\[ Z_L = \frac{Z_L}{Z_0} = 0.5 - j 1 \]

2. \( Z_L \) on Smith chart, A

3. \( |I| \) Circle = SWR Circle

4. \( Y_L \) on Smith chart B

5. \( Y_L = 1 \) Circle (highlight)

6. Rotate along \( |I| \) Circle from B \( \rightarrow \) C

7. Read \( d \) from Smith Chart

8. Read \( Y_L' \) value (at C)
\[ Y_L' = 1 + j 1.6 \]

9. Find \( \text{Im } -1.6 \) on the big circle (Unit Circle)
\( \text{(F)} \)

10. Read \( L \) from Smith Chart
\( \text{(E } \rightarrow \text{ F)} \)