

$$\text{LCS}(\text{"aab"}, \text{"azb"}) \Rightarrow \boxed{2}$$

$$1 + \text{LCS}(\text{"aa"}, \text{"az"})$$

$$\text{LCS}(\text{"a"}, \text{"az"})$$

$$\text{LCS}(\text{"aa"}, \text{"a"})$$

$$1 + \text{LCS}(\text{"a"}, \text{""}) \Rightarrow 1 + 0$$

$$\text{LCS}(\text{"", \text{"az"}}) \Rightarrow 0$$

$$\text{LCS}(\text{"a"}, \text{"a"})$$

$$1 + \text{LCS}(\text{"", \text{""}}) \Rightarrow 1 + 0 = \boxed{1}$$

\*Idea: if last char not equal then check subproblems