

$$\alpha = \angle DFE \quad (1)$$

$$\angle DFB = 180^\circ - \alpha \quad \Leftarrow$$

$$\text{(From } \triangle ADFB \text{)} \quad \angle DAO = \alpha \quad \Leftarrow$$

$$\text{(Given)} \quad \angle DAC = 90^\circ, \quad \text{(View } AOD \text{)} \quad \angle ADO = \alpha \quad \Leftarrow$$

$$\text{(S.S)} \quad \triangle DEF \sim \triangle CAD \quad \Leftarrow$$