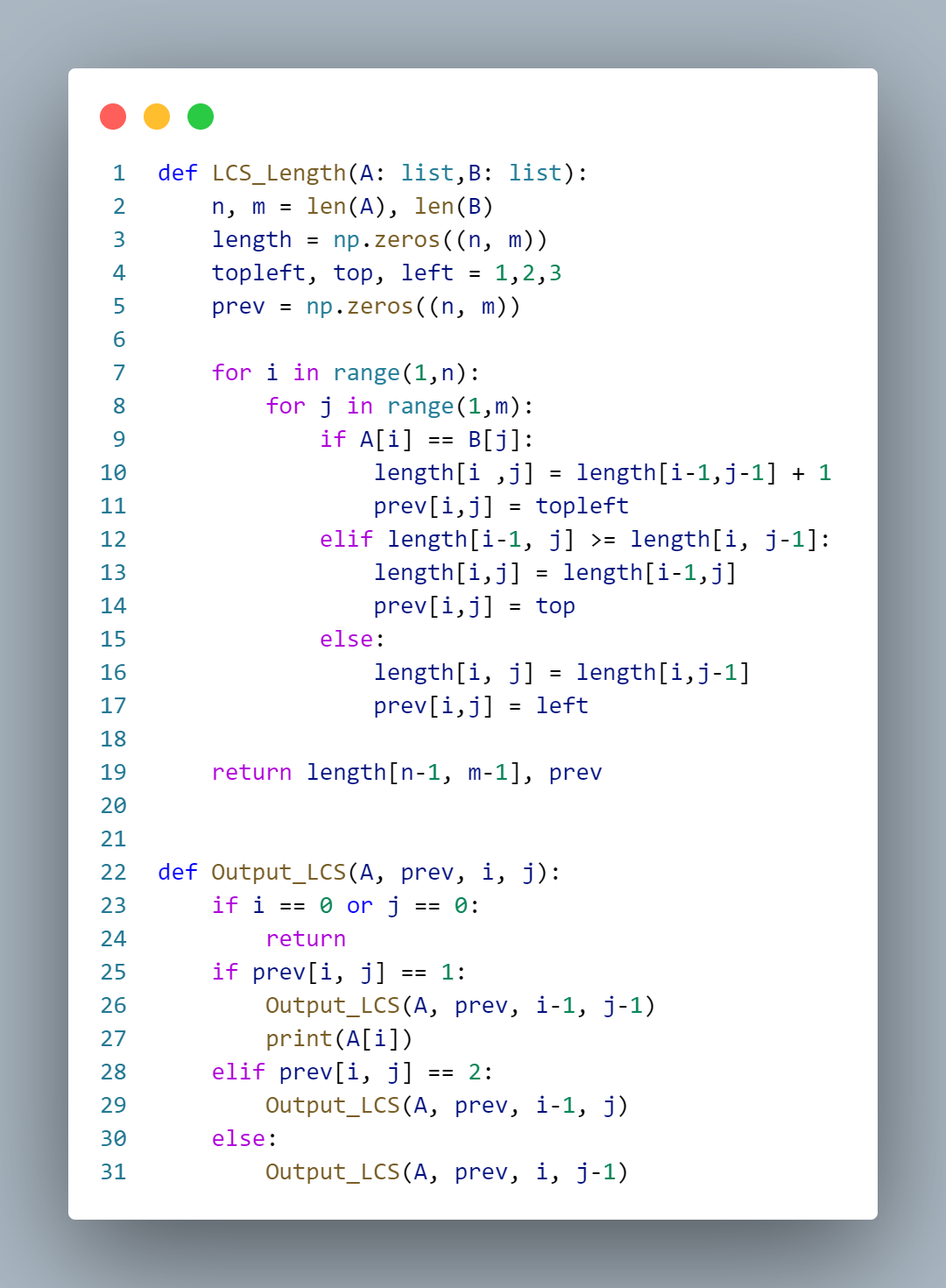
**DESIGN AND ANALYSIS OF ALGORITHMS**

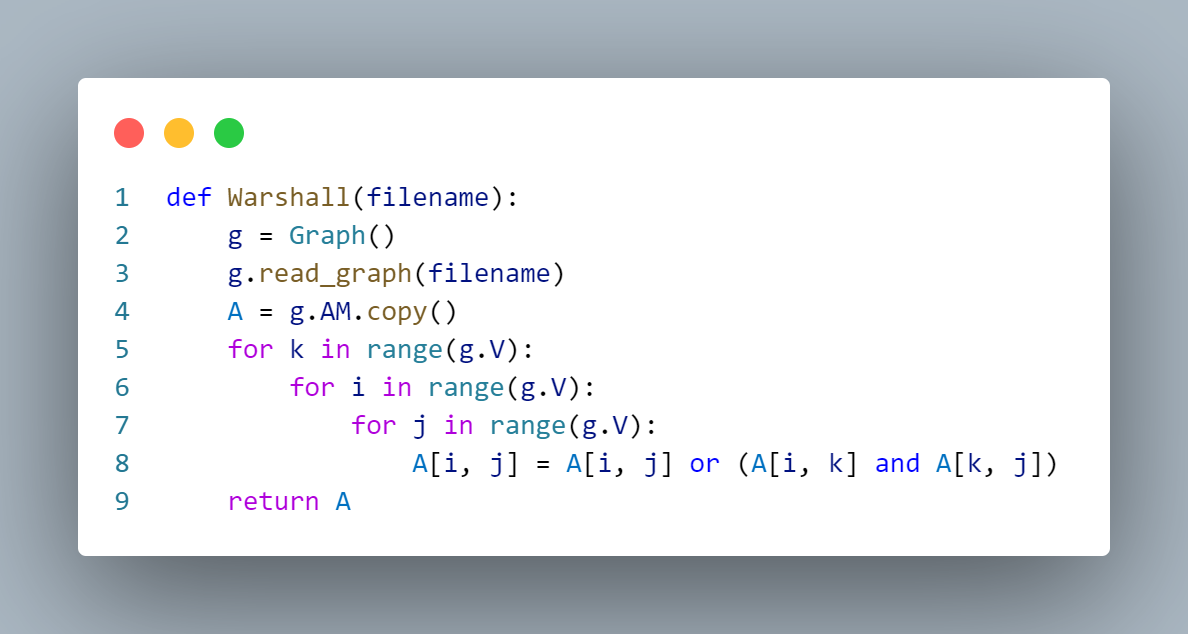
**Ex1**



Time efficiency of LCS\_Length

*T*(*n*) = ∈ Θ()

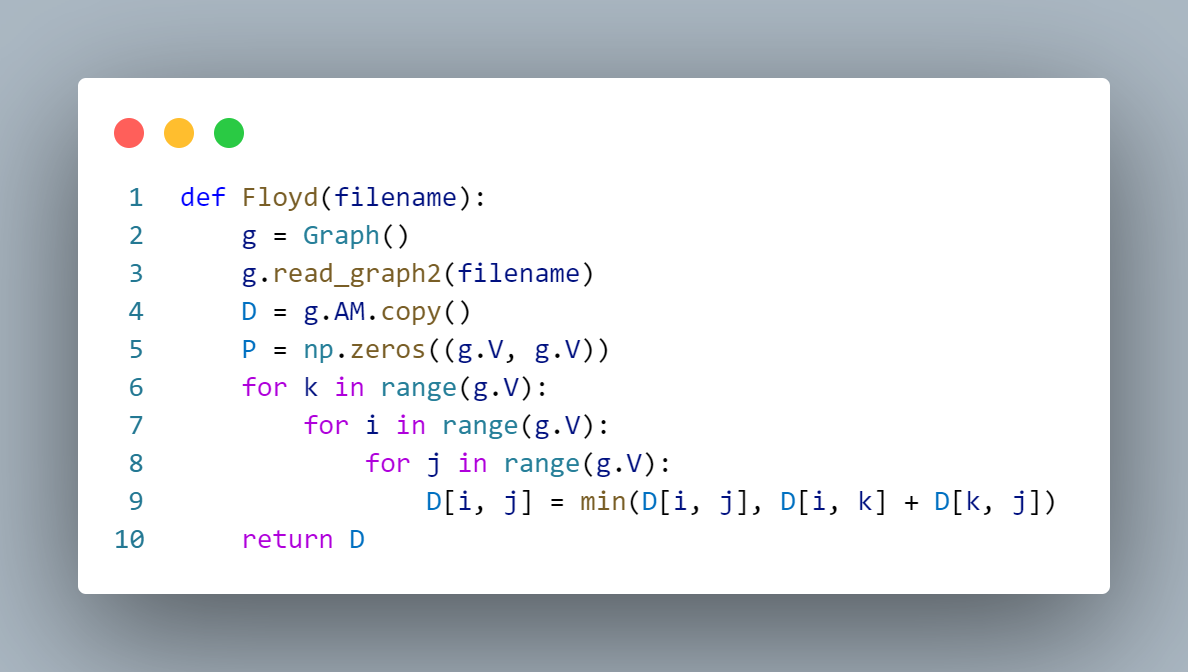
**Ex2**

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Time efficiency of Warshall

*T*(*n*) = ∈ Θ()

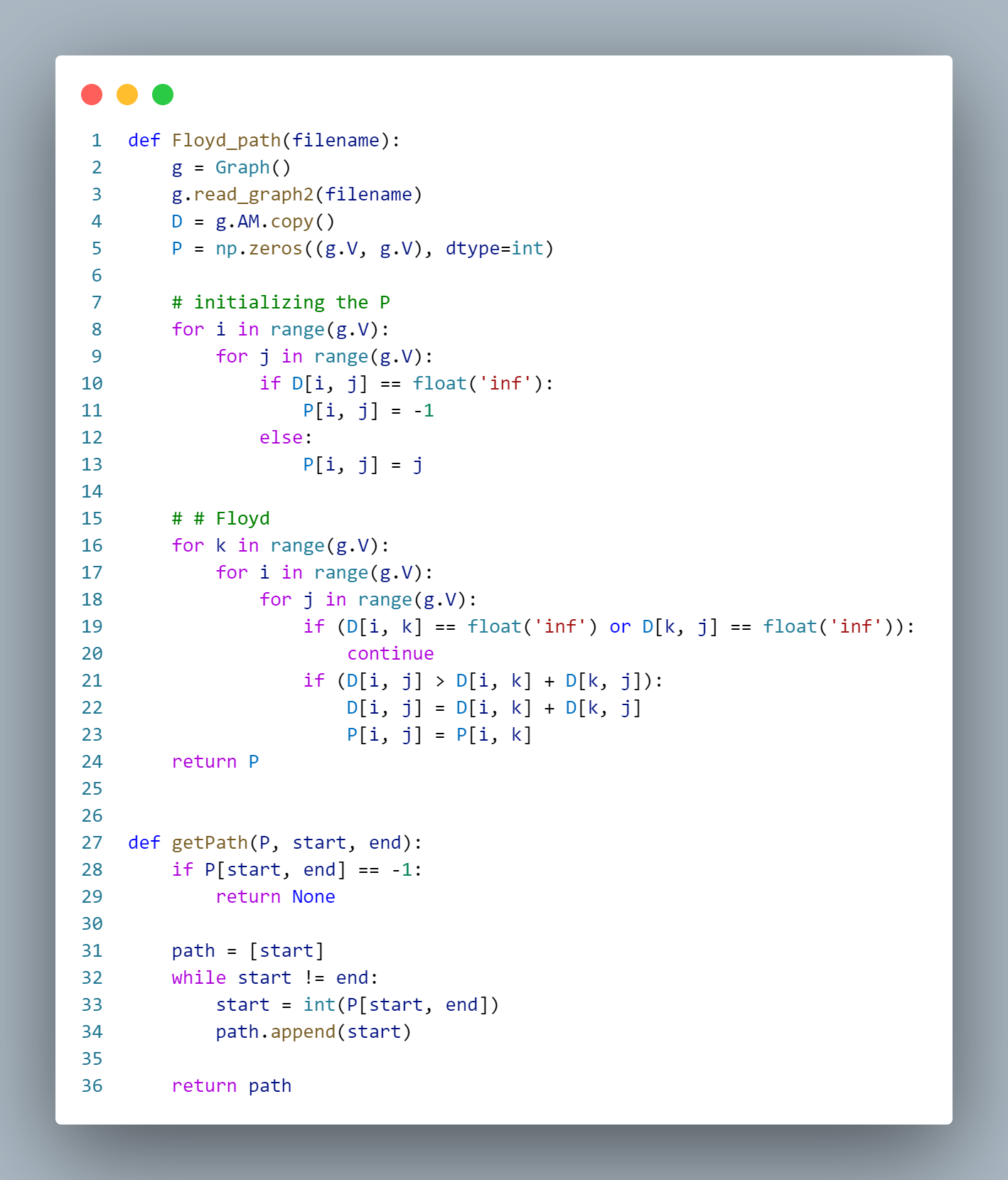
**Ex3**



Time efficiency of Floyd

*T*(*n*) = ∈ Θ()

**Ex4**

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Time efficiency of Floyd\_path

*T*(*n*) = ∈ Θ()