Time Complexity (bellman-ford Algo.)

→ If. $|V|$ → no. of vertex
$|E|$ → no. of edges.

Relaxation will take $|V|$ no. of times each no. of edges
i.e. $|E|$.

∴ Time Complexity = $O(V \cdot E)$
⇒ $O(|V| \cdot |E|)$

→ If we have n no. of vertex and edges
i.e. $|V| = |E| = n$.

∴ Time Complexity $(O(n^2))$