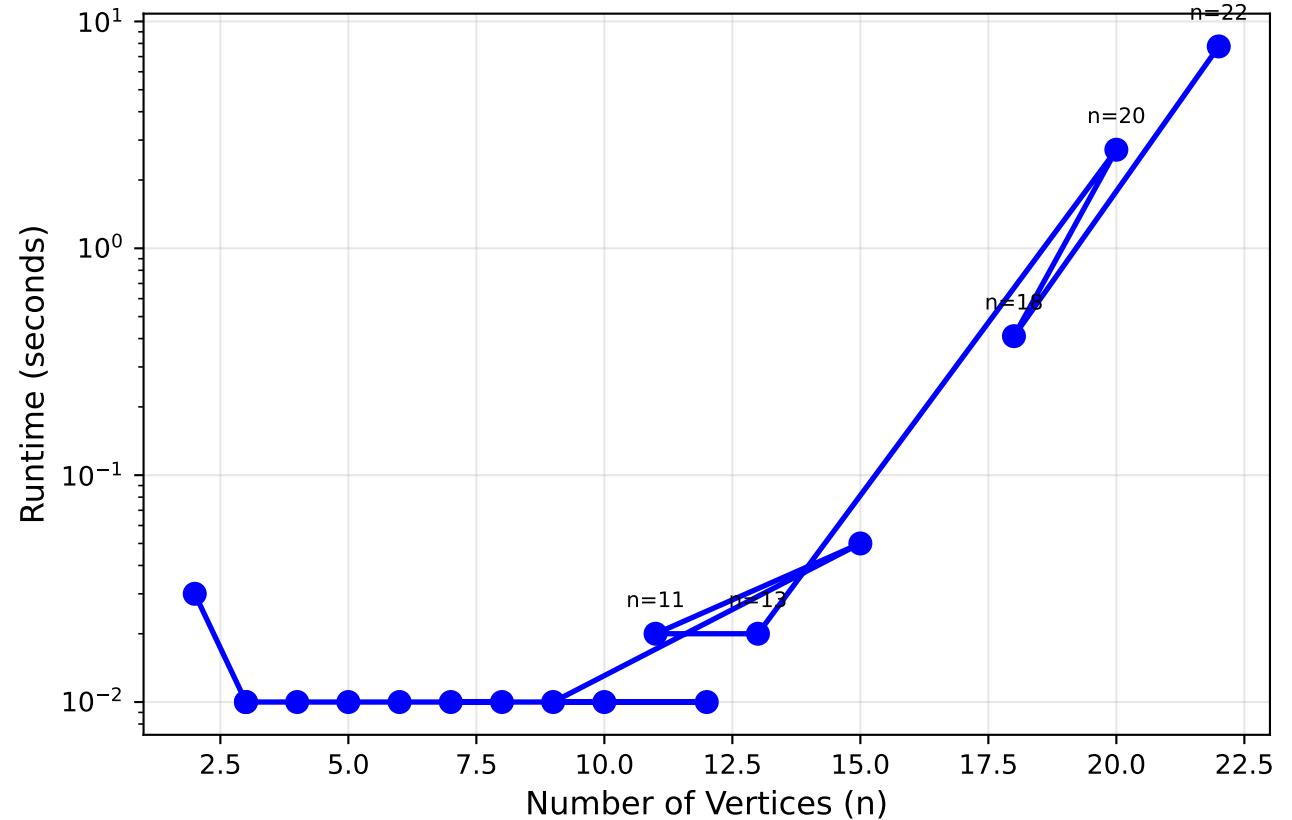
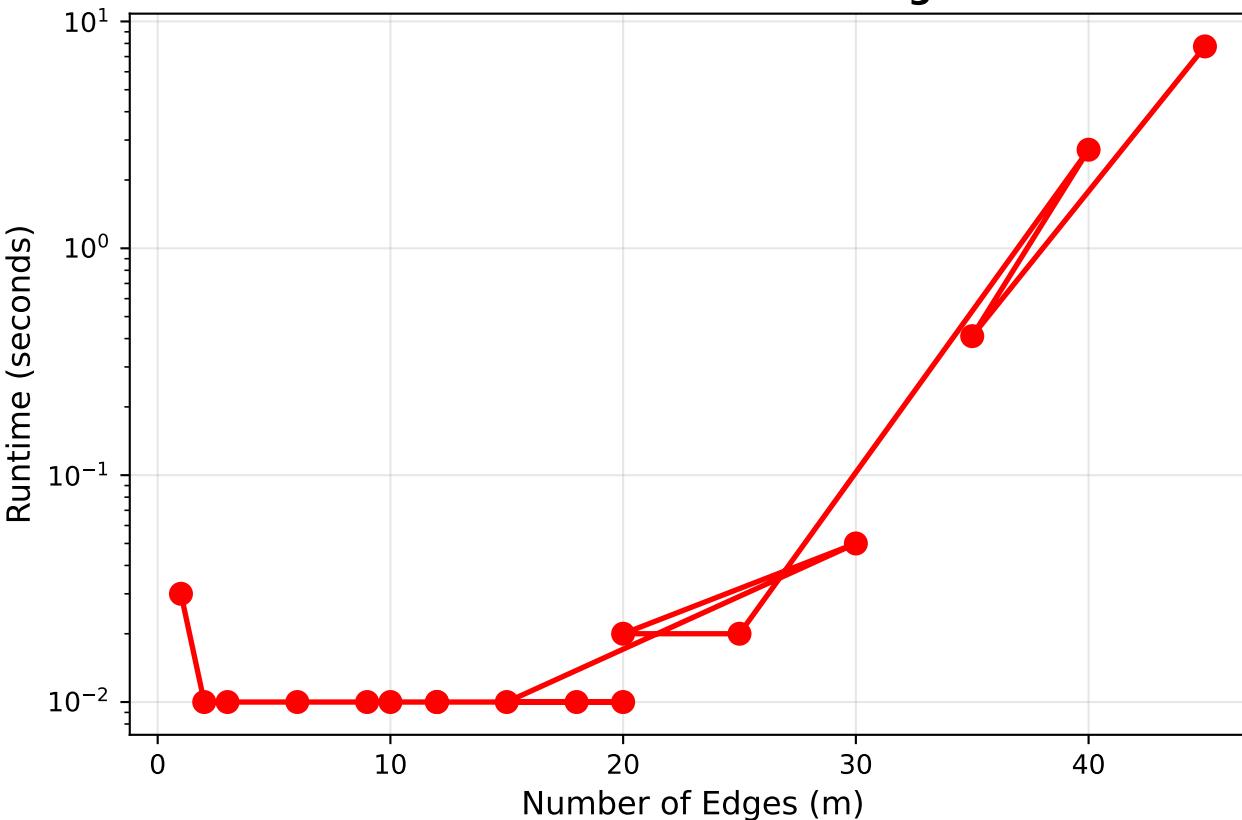


# Longest Path Exact Solution - Runtime Analysis

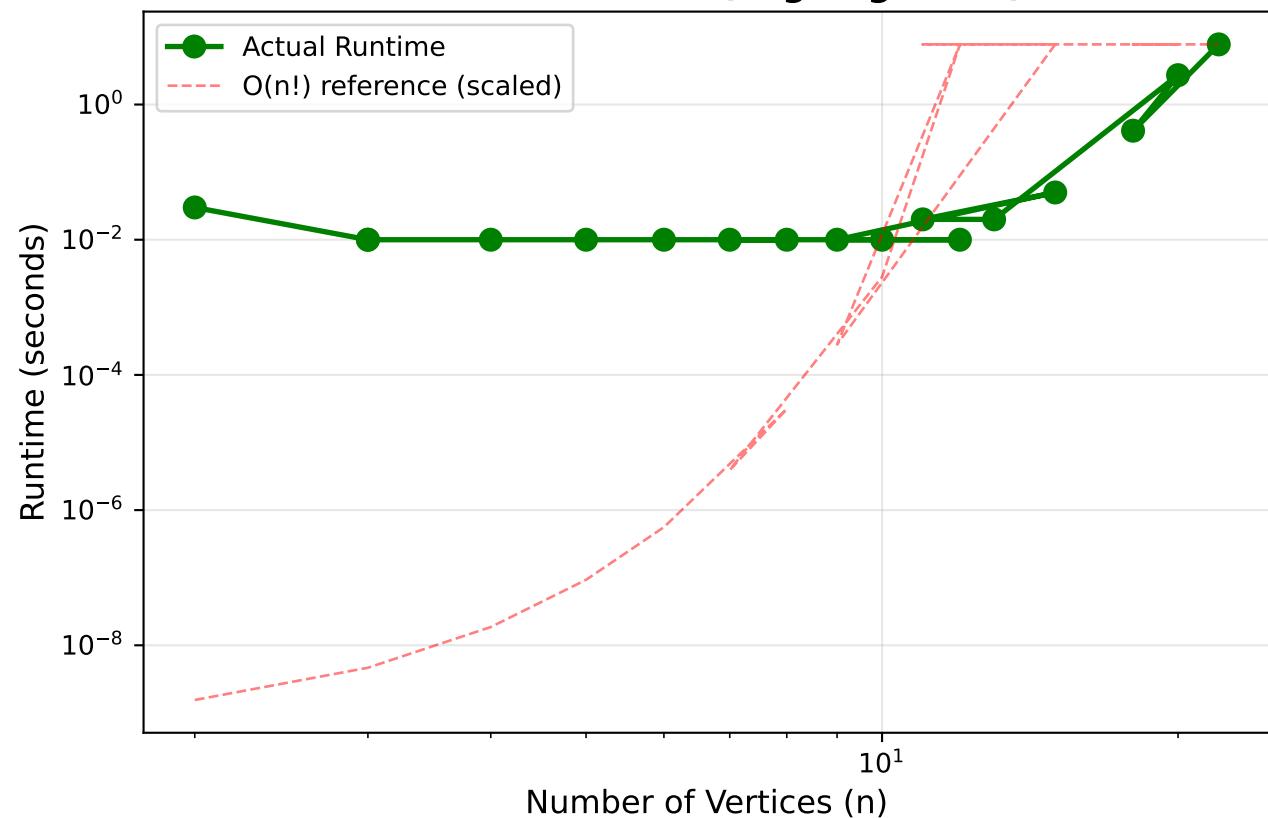
**Runtime vs Number of Vertices**



**Runtime vs Number of Edges**



**Runtime Growth (Log-Log Scale)**



Test Case	<b>Runtime Summary Table</b>		Time (s)
	$n$	$m$	
small_1	2	1	0.0300
small_2	3	2	0.0100
1	3	3	0.0100
2	4	6	0.0100
3	5	10	0.0100
4	6	9	0.0100
5	8	12	0.0100
medium_1	7	12	0.0100
6	10	20	0.0100
7	12	18	0.0100
medium_2	9	15	0.0100
8	15	30	0.0500
large_1	11	20	0.0200
large_2	13	25	0.0200
very_large	20	40	2.7200
large	18	35	0.4100
extreme	22	45	7.7600