Subgraph type	Time complexity		
	Previous result	Our result (Exact)	Our result
I	$O(\Delta^4 m^3)$	$O(\Delta e^2) = O(\Delta^3 m^2)$	$O(n^2 e)$
II	$O(\Delta^4 m^3) = O(ne^3)$	—	$O(n^2 e)$
III	$O(\Delta^2 m^2 n^2)$	$O(e^3) = O(\Delta^3 m^3)$	$O(ne^2)$
IV	$O(\Delta^3 m^2 n^3)$	$O(m^3 e) = O(\Delta m^4)$	$O(n^3 e)$
V	$O(\Delta^4 m^2 n)$	$O(m^3 e) = O(\Delta m^4)$	$O(n^3 e)$
Any	$O(\Delta^3 m^2(\Delta m + n^3))$	$O(ne(n^2 + e)) = O(\Delta mn(\Delta m + n^2))$	