

Algorithm	Time Complexity	Space Complexity	Able to Match Graphs of Different Sizes?	Calling Hungarian method for each iteration?	Complexity of Hungarian method
LP	$O(n^6)$	$O(n^4)$	No	No	$O(n^6)$
RL	$O(n^4)/\text{iteration}$	$O(n^2)$	Yes	No	$O(n^4)$
GA, POCS	$O(n^4)/\text{iteration}$	$O(n^4)$	Yes	No	$O(n^4)$
RRWM	$O(n^4)/\text{iteration}$	$O(n^4)$	Yes	No	$O(n^4)$
IPFP	$O(n^4)/\text{iteration}$	$O(n^4)$	Yes	Yes	$O(n^4)$
SM, SMAC	$O(n^4)$	$O(n^4)$	Yes	No	$O(n^4)$
PGM	$O(n^4)$	$O(n^2)$	Yes	No	$O(n^4)$
PATH	$O(n^3)/\text{iteration}$	$O(n^2)$	Yes	Yes	$O(n^3)$
Umeyama	$O(n^3)$	$O(n^2)$	No	No	$O(n^3)$
FastGA, PG	$O(n^3)/\text{iteration}$	$O(n^2)$	Yes	No	$O(n^3)$
FastPFP	$O(n^3)/\text{iteration}$	$O(n^2)$	Yes	No	$O(n^3)$