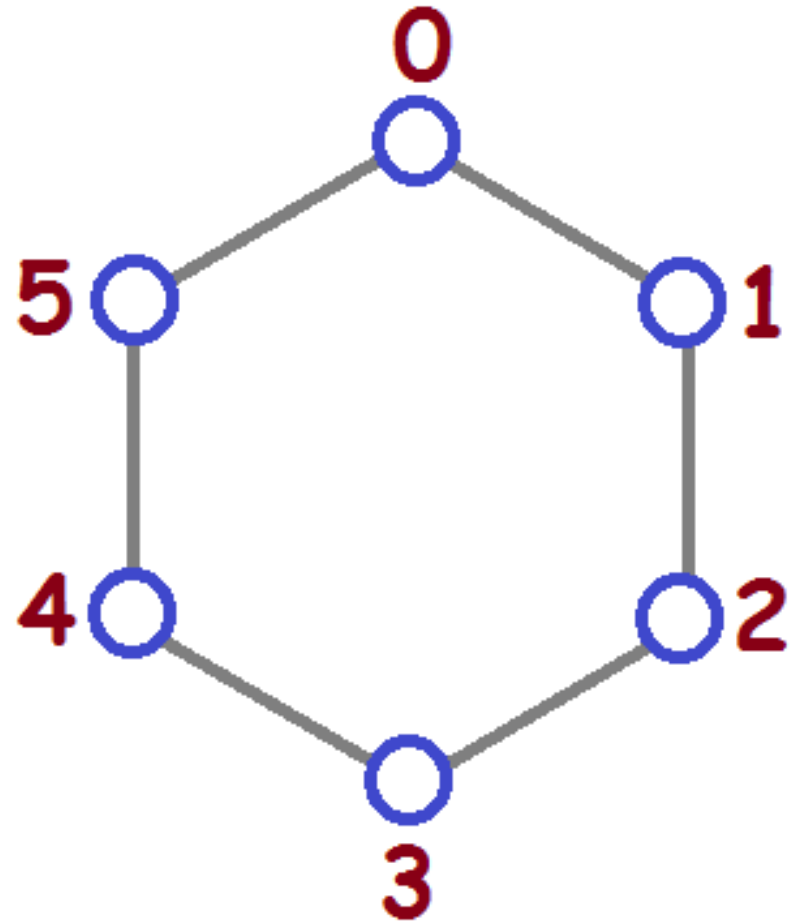


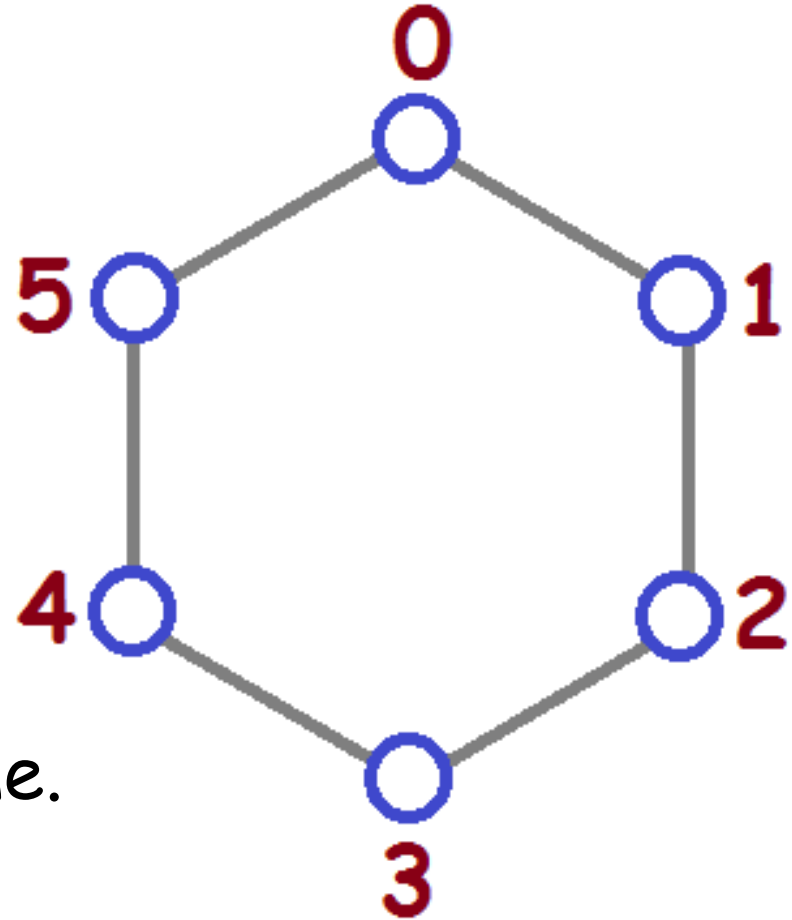
How many different minimum connected dominating sets does a cycle with 6 vertices have?



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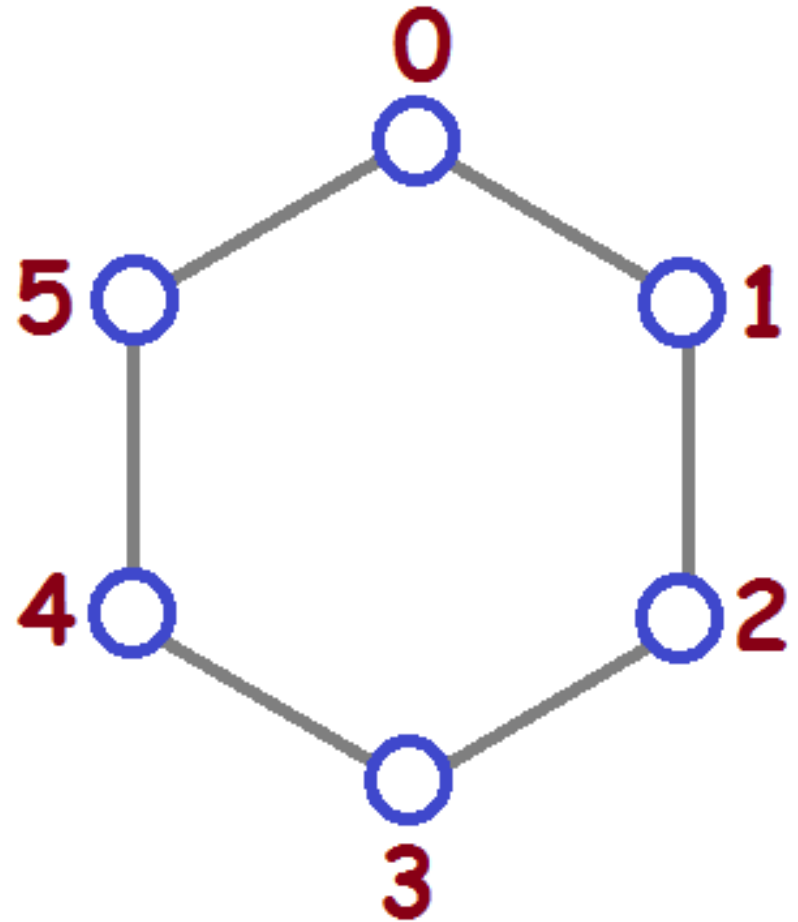
Use "the" only when there is exactly one solution.

Use "a" for generic cases and when there could be more than one.



We want to find a minimum connected dominating set of this graph.

The lexicographically minimized minimum connected dominating set for this graph is $\{0, 1, 2, 3\}$.



Papers should have your name on them and have an abstract and title.

The introduction section should introduce definitions common to the whole paper. If there is a definition used locally once, it can be introduced where it is needed.

Do not get creative or use informal language for the definitions. It is OK to define terms exactly as Doug West's graph theory book defines them.

Do not introduce graph then undirected graph.
Define undirected graphs if you use them.
Define directed graphs if you use them.

A literature review is normally in one section, not one section per paper.

Never include references as part of section titles.

The section title should never be an antecedent for the first sentence of the section.

Do not do this:

Chapter 3: Paired dominating sets

This type of dominating set ...

This refers to "paired dominating sets" (the antecedent).

Small integers are spelled out in words:

This graph has a dominating set of size 2.

⇒

This graph has a dominating set of size two.

Avoid use of symbols embedded in sentences:

For each vertex $v \in V(G)$

⇒

For each vertex v in $V(G)$

If G has minimum degree ≥ 3

⇒

If G has minimum degree at least three

Avoid starting sentences with

This paper ...

or

The authors...

Use the author names:

Myrvold and Fowler [3] proved that ...

Or Smith et al. [5] described an algorithm ...

Be consistent for when you choose to use
et al. (for k or more authors for some constant k)

et al. means "and others". al. is an abbreviation so
you should have the period after it.

Words being defined should be in italics.

Do not define terms more than once.

Order your literature review discussion in some logical order.

Define terms before their first use.

Cut and paste from Mathscinet to avoid errors in typing in the references.

Do not write too much: in a paper you will have no room for your own work.