

1

A connected planar graph has 6 vertices and 8 edges. How many faces does it have? Draw an example of such graph.

BRIEF WORK HERE??



Figure 1: K Project

CONTINUED WORK??

this is a ref to the image: 1

2

In how many ways can we stack 10 books?

Answer: We are looking for the number of different ways to order the books, which is $10!$. This combination is equal to $\prod_{i=1}^{10} i$, which evaluates to 3628800. Ergo, there are 3628800 ways to stack 10 books.