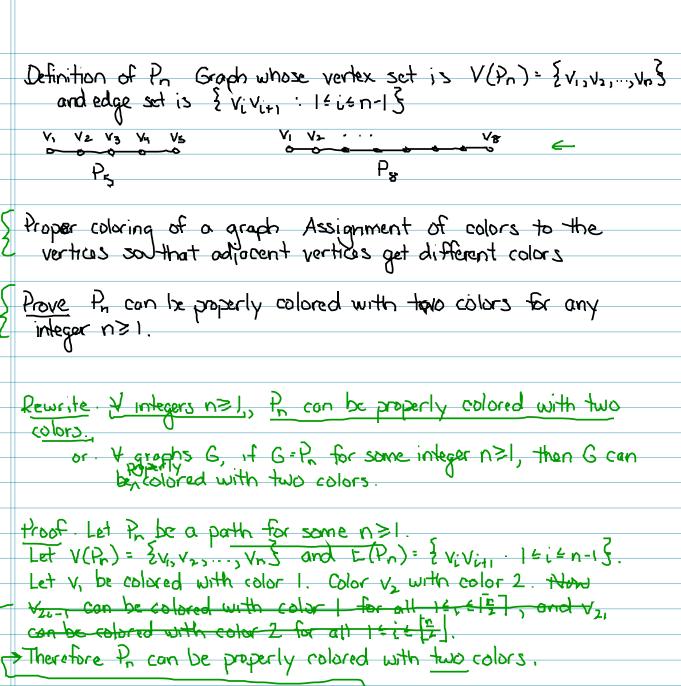
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	Definition of Pn Graph whose vertex set 15 V(Pn): {v,,v,,,,vn} and edge set is {v,v,+1 14;4n-15
	V ₁ V ₂ V ₃ V ₄ V ₅ V ₁ V ₂ V ₈
	P ₅ P ₈
\{\bar{\gamma}\}	troper coloring of a graph. Assignment of colors to the vertices souther adjacent vertices get different colors
{	Prove Pm can be properly colored with town colors for any integer n > 1.
	Rewrite Y integers n > 1, Pn can be properly colored with two colors.
	or the graphs G, if G-P, for some integer n>1, then G can be colored with two colors.
	Let V(Pn) = 24, v2,, vn3 and E(Pn) = 2 VLVHI . 141 = n-13 Let V, be colored with color 1. Color v2 with color 2. Now
	Vzi-1 can be colored with color 1 for all 15,6 [], and Vz, con be colored with color 2 for all 15 c []. Therefore P. can be properly colored with two colors.
	Now all odd-indexed vortices can be given color 1, and all even-indexed vertices can be given edor 2. Adjocent vertices will then be given different colors.
	('2

♦ livescribe.



Now all odd-indexed vertices can be given color I, and all even-indexed vertices can be given color 2. Adjacent vertices will then be given different colors.