

CS1200 Module-2: Logic & Proofs

Examples

1) if 8 isTeven then 17 isTprime - TRUE

2 if 8 is Teven then [187 is Feven - FALSE

(3) if Sa is 2-regular then 10 is F prime - TRUE

(4) if Sof is 2-regular then IT is Tprime - TRUE

P=) Q is TRUE when P is FALSE

> pay close attention: (when P is FALSE, Q does NOT)
matter

Let us recall the following This may NOT agree with how you (or most people)

theorem. Theorem: (Let G be a graph.) use natural language.

If each vertex of G has The good news is that

degree 2 or more then generally mathematicians G has a cycle. & computer scientists

don't use such strange Let us apply this statement examples unless their goal

to different graphs to create is to mess with the other person. propositions: