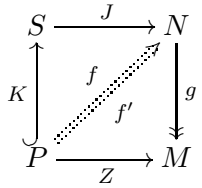
MATH 242 - SYMPLECTIC GEOMETRY
LECTURE NOTES

ANTON

Throughout, let G be a finite group and let R be a ring with 1.

Theorem 0.1. *(Exercise 18.2.1) Prove that conditions (1) and (2) of Wedderburn's Theorem are equivalent.*

Proof. We must show that all R-modules are projective if and only if they are injective. Let P be a projective R-module and $f : A \to B$



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