Well Ordering Principle

1. WOP: Every set of natural numbers that contains at least one istenes A WOP. element has a smallest element in \mathcal{X} . ($\forall S \subseteq \mathcal{W}$, $S \neq \phi \Rightarrow S$ has smallest. D. 网法: 铑哈反证法, 证某个性质, 设基个性质不成立, 考虑, 不成立的集合; 用. 使用条件: D non-empty. D subset of W. 了反证, 报当于来台不空, 由于属于IN. 用 WOP 找到最小元惠, 用其导出矛盾. 2. Proof on Quotient-Reminder Formula. Burbient-Reminder Formula: An. d & Z. , d > 0, there are unique integer 16 90.1.2,, deif and q sit. n=dq+r To prove uni-queness, we assu me two diff. PS2 (23Cb). N=dq2+12. 3. Prove Complete Industron wing wop.