Weakly Prime Ideals

some name

1 section name

Definition 1.1 *For I as an ideal of R, we define*

(1) *I is prime if $a, b \in R$ with a implies that $a \in I$ or $b \in I$ [4, 5];*

(2) *then there are n of the a_i's whose product is in I [2];*

(3) *I is if whenever $backslash I^n$ for $a_, a_n \in R$, then there are n of the a_i's whose product is in I [3];*

Theorem 1.1 *Let R_1 and R_2 are rings in which every proper ideal is a product of weakly prime ideals, then $R_1 \times R_2$ also enjoys this property.*

The following theorem follows from Theorem 1.1.

References

[1] some bib

[2] some bib

[3] some bib

[4] some bib

[5] some bib