

## Quotient $n$ -Ary $P$ - $H_v$ -Ring

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### ABSTRACT.

The class of  $n$ -ary  $H_v$ -rings is larger than the well known class  $H_v$ -rings. A wide subclass of  $n$ -ary  $H_v$ -rings is  $n$ -ary  $P$ - $H_v$ -rings. In this paper the quotient structure of  $n$ -ary  $P$ - $H_v$ -ring is investigated and the isomorphism theorems for them are stated and proved.

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