Ore condition

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Defines	Ore ring
Defines	left Ore condition
Defines	right Ore condition
Defines	left Ore ring
Defines	right Ore ring

A ring R satisfies the *left Ore condition* (resp. *right Ore condition*) if and only if for all elements x and y with x regular, there exist elements u and v with v regular such that

$$ux = vy \quad (\text{resp.} xu = yv).$$

A ring which satisfies the (left, right) Ore condition is called a (*left*, *right*) *Ore ring*.