

# Lecture 5. Logical Operators — Exclusive OR(异或)

---

用于比较两个条件或命题，并确定它们是否有且只有一个为真

**Definition:** Let  $p$  and  $q$  be two propositions. The exclusive OR of  $p$  and  $q$  (denoted by  $p \oplus q$ ) is a proposition that simply means exactly one of  $p$  and  $q$  will be true but both cannot be true.

$p$	$q$	$p \oplus q$
T	T	F
T	F	T
F	T	T
F	F	F