$$\mathcal{NK}p$$

Canonical name	mathcalNKp
Date of creation	2013-03-22 13:05:23
Last modified on	2013-03-22 13:05:23
Owner	Henry (455)
Last modified by	Henry (455)
Numerical id	5
Author	Henry (455)
Entry type	Definition
Classification	msc 03F03
Synonym	NKp

$\mathcal{NK}p$ is a natural deduction proof system for classical propositional logic. It is identical to NJp except that it replaces the rule $\perp_i$ with the rule:

$$\frac{\Gamma, \neg\alpha \Rightarrow \perp}{\Gamma \Rightarrow \alpha}(\perp_c), \quad \text{where } \alpha \text{ is atomic.}$$