## Nmatrix (level 0) in KT45

•  $\mathcal{D} = \{t,T\}$ 

## Subformulas

- $(\varphi_0)$  p
- $(\varphi_1)$  q
- $(\varphi_2)$   $(p \rightarrow q)$
- $(\varphi_3) \square p$
- $(\varphi_4) \Box q$
- $(\varphi_5) \square (p \rightarrow q)$
- $(\varphi_6) (\Box p \rightarrow \Box q)$
- $(\varphi_7)$   $(\Box(p \rightarrow q) \rightarrow (\Box p \rightarrow \Box q))$

Id	$\varphi_0$	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_4$	$arphi_5$	$\varphi_6$	$arphi_7$
(1)	${f F}$	${f F}$	${f T}$	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(2)	${f F}$	${f f}$	${f T}$	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(3)	${f F}$	${f t}$	${f T}$	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(4)	${f F}$	${f T}$	${f T}$	${f F}$	${f T}$	${f T}$	${f T}$	${f T}$
(5)	${f f}$	${f F}$	${f t}$	${f F}$	${f F}$	${f F}$	${f T}$	${f T}$
(6)	${f f}$	${f f}$	${f T}$	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(7)	${f f}$	${f f}$	${f t}$	${f F}$	${f F}$	${f F}$	${f T}$	${f T}$
(8)	${f f}$	${f t}$	${f T}$	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(9)	${f f}$	${f t}$	${f t}$	${f F}$	${f F}$	${f F}$	${f T}$	${f T}$
(10)	${f f}$	${f T}$	${f T}$	${f F}$	${f T}$	${f T}$	${f T}$	${f T}$
(11)	${f t}$	${f F}$	${f f}$	${f F}$	${f F}$	${f F}$	${f T}$	${f T}$
(12)	${f t}$	${f f}$	${f f}$	${f F}$	${f F}$	${f F}$	${f T}$	${f T}$
(13)	${f t}$	${f t}$	${f T}$	${f F}$	${f F}$	${f T}$	${f T}$	${f T}$
(14)	${f t}$	${f t}$	${f t}$	${f F}$	${f F}$	${f F}$	${f T}$	${f T}$
(15)	$\mathbf{t}$	${f T}$	${f T}$	${f F}$	${f T}$	${f T}$	${f T}$	${f T}$

Id	$\varphi_0$	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_4$	$arphi_5$	$\varphi_6$	$\varphi_7$
(16)	${f T}$	${f F}$	${f F}$	${f T}$	${f F}$	${f F}$	${f F}$	${f T}$
(17)	${f T}$	${f f}$	${f f}$	${f T}$	${f F}$	${f F}$	${f F}$	${f T}$
(18)	${f T}$	${f t}$	${f t}$	${f T}$	${f F}$	${f F}$	${f F}$	${f T}$
(19)	${f T}$	${f T}$	${f T}$	${f T}$				