

## Nmatrix (level 0) in KT4

- $\mathcal{D} = \{\mathbf{t}, \mathbf{T}\}$

### Subformulas

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

Id	$\varphi_0$	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_4$	$\varphi_5$	$\varphi_6$	$\varphi_7$
(1)	<b>F</b>	<b>F</b>	<b>T</b>	<b>F</b>	<b>F</b>	<b>T</b>	<b>T</b>	<b>T</b>
(2)	<b>F</b>	<b>f</b>	<b>T</b>	<b>F</b>	<b>F</b>	<b>T</b>	<b>T</b>	<b>T</b>
(3)	<b>F</b>	<b>f</b>	<b>T</b>	<b>F</b>	<b>f</b>	<b>T</b>	<b>T</b>	<b>T</b>
(4)	<b>F</b>	<b>t</b>	<b>T</b>	<b>F</b>	<b>F</b>	<b>T</b>	<b>T</b>	<b>T</b>
(5)	<b>F</b>	<b>t</b>	<b>T</b>	<b>F</b>	<b>f</b>	<b>T</b>	<b>T</b>	<b>T</b>
(6)	<b>F</b>	<b>T</b>	<b>T</b>	<b>F</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>
(7)	<b>f</b>	<b>F</b>	<b>t</b>	<b>F</b>	<b>F</b>	<b>F</b>	<b>T</b>	<b>T</b>
(8)	<b>f</b>	<b>F</b>	<b>t</b>	<b>F</b>	<b>F</b>	<b>f</b>	<b>T</b>	<b>T</b>
(9)	<b>f</b>	<b>F</b>	<b>t</b>	<b>f</b>	<b>F</b>	<b>F</b>	<b>t</b>	<b>T</b>
(10)	<b>f</b>	<b>F</b>	<b>t</b>	<b>f</b>	<b>F</b>	<b>f</b>	<b>t</b>	<b>T</b>
(11)	<b>f</b>	<b>F</b>	<b>t</b>	<b>f</b>	<b>F</b>	<b>f</b>	<b>t</b>	<b>t</b>
(12)	<b>f</b>	<b>f</b>	<b>T</b>	<b>F</b>	<b>F</b>	<b>T</b>	<b>T</b>	<b>T</b>
(13)	<b>f</b>	<b>f</b>	<b>T</b>	<b>F</b>	<b>f</b>	<b>T</b>	<b>T</b>	<b>T</b>
(14)	<b>f</b>	<b>f</b>	<b>T</b>	<b>f</b>	<b>F</b>	<b>T</b>	<b>t</b>	<b>t</b>
(15)	<b>f</b>	<b>f</b>	<b>T</b>	<b>f</b>	<b>f</b>	<b>T</b>	<b>T</b>	<b>T</b>

Id	$\varphi_0$	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_4$	$\varphi_5$	$\varphi_6$	$\varphi_7$
(16)	f	f	T	f	f	T	t	t
(17)	f	f	t	F	F	F	T	T
(18)	f	f	t	F	F	f	T	T
(19)	f	f	t	F	f	F	T	T
(20)	f	f	t	F	f	f	T	T
(21)	f	f	t	f	F	F	t	T
(22)	f	f	t	f	F	f	t	T
(23)	f	f	t	f	F	f	t	t
(24)	f	f	t	f	f	F	T	T
(25)	f	f	t	f	f	F	t	T
(26)	f	f	t	f	f	f	T	T
(27)	f	f	t	f	f	f	t	T
(28)	f	f	t	f	f	f	t	t
(29)	f	t	T	F	F	T	T	T
(30)	f	t	T	F	f	T	T	T
(31)	f	t	T	f	F	T	t	t
(32)	f	t	T	f	f	T	T	T
(33)	f	t	T	f	f	T	t	t
(34)	f	t	t	F	F	F	T	T
(35)	f	t	t	F	F	f	T	T
(36)	f	t	t	F	f	F	T	T
(37)	f	t	t	F	f	f	T	T
(38)	f	t	t	f	F	F	t	T
(39)	f	t	t	f	F	f	t	T
(40)	f	t	t	f	F	f	t	t
(41)	f	t	t	f	f	F	T	T
(42)	f	t	t	f	f	F	t	T
(43)	f	t	t	f	f	f	T	T
(44)	f	t	t	f	f	f	t	T
(45)	f	t	t	f	f	f	t	t

Id	$\varphi_0$	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_4$	$\varphi_5$	$\varphi_6$	$\varphi_7$
(46)	f	T	T	F	T	T	T	T
(47)	f	T	T	f	T	T	T	T
(48)	t	F	f	F	F	F	T	T
(49)	t	F	f	F	F	f	T	T
(50)	t	F	f	f	F	F	t	T
(51)	t	F	f	f	F	f	t	T
(52)	t	F	f	f	F	f	t	t
(53)	t	f	f	F	F	F	T	T
(54)	t	f	f	F	F	f	T	T
(55)	t	f	f	F	f	F	T	T
(56)	t	f	f	F	f	f	T	T
(57)	t	f	f	f	F	F	t	T
(58)	t	f	f	f	F	f	t	T
(59)	t	f	f	f	F	f	t	t
(60)	t	f	f	f	f	F	T	T
(61)	t	f	f	f	f	F	t	T
(62)	t	f	f	f	f	f	T	T
(63)	t	f	f	f	f	f	t	T
(64)	t	f	f	f	f	f	t	t
(65)	t	t	T	F	F	T	T	T
(66)	t	t	T	F	f	T	T	T
(67)	t	t	T	f	F	T	t	t
(68)	t	t	T	f	f	T	T	T
(69)	t	t	T	f	f	T	t	t
(70)	t	t	t	F	F	F	T	T
(71)	t	t	t	F	F	f	T	T
(72)	t	t	t	F	f	F	T	T
(73)	t	t	t	F	f	f	T	T
(74)	t	t	t	f	F	F	t	T
(75)	t	t	t	f	F	f	t	T

Id	$\varphi_0$	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_4$	$\varphi_5$	$\varphi_6$	$\varphi_7$
(76)	t	t	t	f	F	f	t	t
(77)	t	t	t	f	f	F	T	T
(78)	t	t	t	f	f	F	t	T
(79)	t	t	t	f	f	f	T	T
(80)	t	t	t	f	f	f	t	T
(81)	t	t	t	f	f	f	t	t
(82)	t	T	T	F	T	T	T	T
(83)	t	T	T	f	T	T	T	T
(84)	T	F	F	T	F	F	F	T
(85)	T	f	f	T	F	F	F	T
(86)	T	f	f	T	F	f	F	t
(87)	T	f	f	T	f	F	f	T
(88)	T	f	f	T	f	f	f	T
(89)	T	f	f	T	f	f	f	t
(90)	T	t	t	T	F	F	F	T
(91)	T	t	t	T	F	f	F	t
(92)	T	t	t	T	f	F	f	T
(93)	T	t	t	T	f	f	f	T
(94)	T	t	t	T	f	f	f	t
(95)	T	T	T	T	T	T	T	T