## N<br/>matrix (level 0) in KB45

•  $\mathcal{D} = \{4,5,6,7\}$ 

## 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	$\varphi_0$	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_4$	$\varphi_5$	$\varphi_6$	$\varphi_7$
(1)	0	0	7	0	0	7	7	7
(2)	0	1	7	0	0	7	7	7
(3)	0	6	7	0	0	7	7	7
(4)	0	7	7	0	7	7	7	7
(5)	1	0	6	0	0	0	7	7
(6)	1	1	7	0	0	7	7	7
(7)	1	1	6	0	0	0	7	7
(8)	1	6	7	0	0	7	7	7
(9)	1	6	6	0	0	0	7	7
(10)	1	7	7	0	7	7	7	7
(11)	2	2	5	5	5	5	5	5
(12)	2	5	5	5	5	5	5	5
(13)	5	2	2	5	5	5	5	5
(14)	5	5	5	5	5	5	5	5
(15)	6	0	1	0	0	0	7	7

Id	$\varphi_0$	$\varphi_1$	$\varphi_2$	$\varphi_3$	$\varphi_4$	$arphi_5$	$arphi_6$	$\varphi_7$
$\overline{(16)}$	6	1	1	0	0	0	7	7
(17)	6	6	7	0	0	7	7	7
(18)	6	6	6	0	0	0	7	7
(19)	6	7	7	0	7	7	7	7
(20)	7	0	0	7	0	0	0	7
(21)	7	1	1	7	0	0	0	7
(22)	7	6	6	7	0	0	0	7
(23)	7	7	7	7	7	7	7	7