Nmatrix (level 0) in KT

• $\mathcal{D} = \{t,T\}$

Subformulas

- (φ_0) p
- (φ_1) q
- (φ_2) $(p \rightarrow q)$
- $(\varphi_3) \square p$
- $(\varphi_4) \Box q$
- $(\varphi_5) \square (p \rightarrow q)$
- $(\varphi_6) (\Box p \rightarrow \Box q)$
- (φ_7) $(\Box(p \rightarrow q) \rightarrow (\Box p \rightarrow \Box q))$

| Id | φ_0 | φ_1 | φ_2 | φ_3 | φ_4 | φ_5 | φ_6 | φ_7 |
|------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|
| (1) | ${f F}$ | \mathbf{F} | ${f T}$ | \mathbf{F} | ${f F}$ | ${f T}$ | ${f T}$ | \mathbf{T} |
| (2) | ${f F}$ | ${f F}$ | ${f T}$ | ${f F}$ | ${f F}$ | \mathbf{t} | ${f T}$ | ${f T}$ |
| (3) | ${f F}$ | ${f f}$ | ${f T}$ | ${f F}$ | ${f F}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (4) | ${f F}$ | ${f f}$ | ${f T}$ | ${f F}$ | ${f F}$ | ${f t}$ | ${f T}$ | ${f T}$ |
| (5) | ${f F}$ | ${f f}$ | ${f T}$ | ${f F}$ | ${f f}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (6) | ${f F}$ | ${f f}$ | ${f T}$ | ${f F}$ | ${f f}$ | ${f t}$ | ${f T}$ | ${f T}$ |
| (7) | ${f F}$ | ${f t}$ | ${f T}$ | ${f F}$ | ${f F}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (8) | ${f F}$ | ${f t}$ | ${f T}$ | ${f F}$ | ${f F}$ | ${f t}$ | ${f T}$ | ${f T}$ |
| (9) | ${f F}$ | ${f t}$ | ${f T}$ | ${f F}$ | ${f f}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (10) | ${f F}$ | ${f t}$ | ${f T}$ | ${f F}$ | ${f f}$ | ${f t}$ | ${f T}$ | ${f T}$ |
| (11) | ${f F}$ | ${f T}$ | ${f T}$ | ${f F}$ | ${f T}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (12) | ${f F}$ | ${f T}$ | ${f T}$ | ${f F}$ | ${f T}$ | ${f t}$ | ${f T}$ | ${f T}$ |
| (13) | ${f F}$ | ${f T}$ | ${f T}$ | ${f F}$ | ${f t}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (14) | ${f F}$ | ${f T}$ | ${f T}$ | ${f F}$ | ${f t}$ | ${f t}$ | ${f T}$ | ${f T}$ |
| (15) | ${f f}$ | ${f F}$ | ${f t}$ | ${f F}$ | ${f F}$ | ${f F}$ | ${f T}$ | ${f T}$ |

| Id | φ_0 | φ_1 | $arphi_2$ | φ_3 | $arphi_4$ | $arphi_5$ | φ_6 | φ_7 |
|------|--------------|--------------|---------------------------------|--------------|--------------|--------------|---------------------------------|---------------------------------|
| (16) | \mathbf{f} | \mathbf{F} | \mathbf{t} | \mathbf{F} | ${f F}$ | \mathbf{f} | ${f T}$ | \mathbf{T} |
| (17) | ${f f}$ | ${f F}$ | \mathbf{t} | ${f f}$ | ${f F}$ | ${f F}$ | \mathbf{t} | ${f T}$ |
| (18) | ${f f}$ | ${f F}$ | \mathbf{t} | ${f f}$ | ${f F}$ | ${f f}$ | \mathbf{t} | ${f T}$ |
| (19) | ${f f}$ | ${f F}$ | ${f t}$ | ${f f}$ | ${f F}$ | ${f f}$ | ${f t}$ | ${f t}$ |
| (20) | ${f f}$ | ${f f}$ | ${f T}$ | ${f F}$ | ${f F}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (21) | ${f f}$ | ${f f}$ | ${f T}$ | ${f F}$ | ${f F}$ | \mathbf{t} | ${f T}$ | ${f T}$ |
| (22) | ${f f}$ | ${f f}$ | ${f T}$ | ${f F}$ | ${f f}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (23) | ${f f}$ | ${f f}$ | ${f T}$ | ${f F}$ | ${f f}$ | \mathbf{t} | ${f T}$ | ${f T}$ |
| (24) | ${f f}$ | ${f f}$ | ${f T}$ | ${f f}$ | ${f F}$ | ${f T}$ | \mathbf{t} | \mathbf{t} |
| (25) | ${f f}$ | ${f f}$ | ${f T}$ | ${f f}$ | ${f F}$ | ${f t}$ | \mathbf{t} | ${f T}$ |
| (26) | ${f f}$ | ${f f}$ | ${f T}$ | ${f f}$ | ${f F}$ | ${f t}$ | ${f t}$ | ${f t}$ |
| (27) | ${f f}$ | ${f f}$ | ${f T}$ | ${f f}$ | ${f f}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (28) | ${f f}$ | ${f f}$ | ${f T}$ | ${f f}$ | ${f f}$ | ${f T}$ | ${f t}$ | ${f t}$ |
| (29) | ${f f}$ | ${f f}$ | ${f T}$ | ${f f}$ | ${f f}$ | ${f t}$ | ${f T}$ | ${f T}$ |
| (30) | ${f f}$ | ${f f}$ | ${f T}$ | ${f f}$ | ${f f}$ | ${f t}$ | \mathbf{t} | ${f T}$ |
| (31) | ${f f}$ | \mathbf{f} | ${f T}$ | ${f f}$ | ${f f}$ | ${f t}$ | \mathbf{t} | \mathbf{t} |
| (32) | ${f f}$ | f | \mathbf{t} | ${f F}$ | ${f F}$ | ${f F}$ | ${f T}$ | ${f T}$ |
| (33) | ${f f}$ | ${f f}$ | \mathbf{t} | ${f F}$ | ${f F}$ | ${f f}$ | ${f T}$ | ${f T}$ |
| (34) | \mathbf{f} | f | ${f t}$ | ${f F}$ | \mathbf{f} | \mathbf{F} | ${f T}$ | ${f T}$ |
| (35) | \mathbf{f} | f | ${f t}$ | \mathbf{F} | ${f f}$ | ${f f}$ | ${f T}$ | ${f T}$ |
| (36) | \mathbf{f} | f | ${f t}$ | f | \mathbf{F} | \mathbf{F} | \mathbf{t} | \mathbf{T} |
| (37) | f | f | \mathbf{t} | f | \mathbf{F} | f | t | \mathbf{T} |
| (38) | f | f | \mathbf{t} | f | \mathbf{F} | <u>f</u> | <u>t</u> | <u>t</u> |
| (39) | f | f | t | f | f | \mathbf{F} | \mathbf{T} | $\frac{\mathrm{T}}{\mathrm{T}}$ |
| (40) | f | f | t | f | f | \mathbf{F} | t | $\frac{\mathrm{T}}{\mathrm{T}}$ |
| (41) | f | f | t | f | f | f | \mathbf{T} | $\frac{\mathrm{T}}{\mathrm{T}}$ |
| (42) | f | f | t | f | f | f | t | \mathbf{T} |
| (43) | f | \mathbf{f} | $\frac{\mathbf{t}}{\mathbf{r}}$ | f | f | f | t | t |
| (44) | f | t | ${f T}$ | \mathbf{F} | \mathbf{F} | \mathbf{T} | $\frac{\mathbf{T}}{\mathbf{T}}$ | $\frac{\mathbf{T}}{\mathbf{T}}$ |
| (45) | ${f f}$ | \mathbf{t} | ${f T}$ | ${f F}$ | ${f F}$ | \mathbf{t} | ${f T}$ | ${f T}$ |

| Id | φ_0 | φ_1 | $arphi_2$ | φ_3 | φ_4 | $arphi_5$ | φ_6 | φ_7 |
|-------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| $\overline{(46)}$ | f | \mathbf{t} | \mathbf{T} | \mathbf{F} | \mathbf{f} | \mathbf{T} | \mathbf{T} | ${f T}$ |
| (47) | ${f f}$ | \mathbf{t} | ${f T}$ | ${f F}$ | ${f f}$ | ${f t}$ | ${f T}$ | ${f T}$ |
| (48) | ${f f}$ | ${f t}$ | ${f T}$ | ${f f}$ | ${f F}$ | ${f T}$ | ${f t}$ | ${f t}$ |
| (49) | ${f f}$ | \mathbf{t} | ${f T}$ | ${f f}$ | ${f F}$ | ${f t}$ | \mathbf{t} | ${f T}$ |
| (50) | ${f f}$ | \mathbf{t} | ${f T}$ | ${f f}$ | ${f F}$ | \mathbf{t} | \mathbf{t} | \mathbf{t} |
| (51) | ${f f}$ | ${f t}$ | ${f T}$ | ${f f}$ | ${f f}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (52) | ${f f}$ | ${f t}$ | ${f T}$ | ${f f}$ | ${f f}$ | ${f T}$ | \mathbf{t} | \mathbf{t} |
| (53) | ${f f}$ | ${f t}$ | ${f T}$ | ${f f}$ | ${f f}$ | \mathbf{t} | ${f T}$ | ${f T}$ |
| (54) | ${f f}$ | ${f t}$ | ${f T}$ | ${f f}$ | ${f f}$ | \mathbf{t} | \mathbf{t} | ${f T}$ |
| (55) | ${f f}$ | ${f t}$ | ${f T}$ | ${f f}$ | ${f f}$ | \mathbf{t} | \mathbf{t} | \mathbf{t} |
| (56) | ${f f}$ | \mathbf{t} | ${f t}$ | ${f F}$ | ${f F}$ | ${f F}$ | ${f T}$ | ${f T}$ |
| (57) | ${f f}$ | \mathbf{t} | ${f t}$ | ${f F}$ | ${f F}$ | ${f f}$ | ${f T}$ | ${f T}$ |
| (58) | ${f f}$ | ${f t}$ | ${f t}$ | ${f F}$ | ${f f}$ | ${f F}$ | ${f T}$ | ${f T}$ |
| (59) | ${f f}$ | ${f t}$ | ${f t}$ | ${f F}$ | ${f f}$ | ${f f}$ | ${f T}$ | ${f T}$ |
| (60) | ${f f}$ | ${f t}$ | ${f t}$ | ${f f}$ | ${f F}$ | ${f F}$ | ${f t}$ | ${f T}$ |
| (61) | ${f f}$ | ${f t}$ | ${f t}$ | ${f f}$ | ${f F}$ | ${f f}$ | ${f t}$ | ${f T}$ |
| (62) | ${f f}$ | ${f t}$ | ${f t}$ | ${f f}$ | ${f F}$ | ${f f}$ | ${f t}$ | ${f t}$ |
| (63) | ${f f}$ | ${f t}$ | ${f t}$ | ${f f}$ | ${f f}$ | ${f F}$ | ${f T}$ | ${f T}$ |
| (64) | ${f f}$ | ${f t}$ | ${f t}$ | ${f f}$ | ${f f}$ | ${f F}$ | ${f t}$ | ${f T}$ |
| (65) | ${f f}$ | ${f t}$ | ${f t}$ | ${f f}$ | ${f f}$ | ${f f}$ | ${f T}$ | ${f T}$ |
| (66) | ${f f}$ | ${f t}$ | ${f t}$ | ${f f}$ | ${f f}$ | ${f f}$ | ${f t}$ | ${f T}$ |
| (67) | ${f f}$ | \mathbf{t} | ${f t}$ | ${f f}$ | ${f f}$ | ${f f}$ | ${f t}$ | ${f t}$ |
| (68) | ${f f}$ | ${f T}$ | ${f T}$ | ${f F}$ | ${f T}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (69) | ${f f}$ | ${f T}$ | ${f T}$ | ${f F}$ | ${f T}$ | \mathbf{t} | ${f T}$ | ${f T}$ |
| (70) | ${f f}$ | ${f T}$ | ${f T}$ | ${f F}$ | ${f t}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (71) | ${f f}$ | ${f T}$ | ${f T}$ | ${f F}$ | ${f t}$ | \mathbf{t} | ${f T}$ | ${f T}$ |
| (72) | ${f f}$ | ${f T}$ | ${f T}$ | ${f f}$ | ${f T}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (73) | ${f f}$ | ${f T}$ | ${f T}$ | ${f f}$ | ${f T}$ | ${f t}$ | ${f T}$ | ${f T}$ |
| (74) | ${f f}$ | ${f T}$ | ${f T}$ | ${f f}$ | ${f t}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (75) | ${f f}$ | ${f T}$ | ${f T}$ | ${f f}$ | ${f t}$ | ${f T}$ | \mathbf{t} | ${f t}$ |

| Id | φ_0 | φ_1 | $arphi_2$ | φ_3 | φ_4 | $arphi_5$ | φ_6 | φ_7 |
|-------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------------|
| (76) | \mathbf{f} | ${f T}$ | \mathbf{T} | f | \mathbf{t} | \mathbf{t} | ${f T}$ | $\overline{\mathbf{T}}$ |
| (77) | ${f f}$ | ${f T}$ | ${f T}$ | ${f f}$ | \mathbf{t} | \mathbf{t} | \mathbf{t} | ${f T}$ |
| (78) | ${f f}$ | ${f T}$ | ${f T}$ | ${f f}$ | \mathbf{t} | \mathbf{t} | \mathbf{t} | \mathbf{t} |
| (79) | \mathbf{t} | ${f F}$ | ${f T}$ | ${f T}$ |
| (80) | ${f t}$ | ${f F}$ | ${f T}$ | ${f T}$ |
| (81) | ${f t}$ | ${f F}$ | ${f t}$ | ${f T}$ |
| (82) | \mathbf{t} | ${f F}$ | \mathbf{t} | ${f T}$ |
| (83) | \mathbf{t} | ${f F}$ | \mathbf{t} | \mathbf{t} |
| (84) | \mathbf{t} | ${f f}$ | ${f T}$ | ${f T}$ |
| (85) | \mathbf{t} | ${f f}$ | ${f T}$ | ${f T}$ |
| (86) | \mathbf{t} | ${f f}$ | ${f T}$ | ${f T}$ |
| (87) | \mathbf{t} | ${f f}$ | ${f T}$ | ${f T}$ |
| (88) | \mathbf{t} | ${f f}$ | ${f f}$ | \mathbf{f} | ${f F}$ | ${f F}$ | \mathbf{t} | ${f T}$ |
| (89) | ${f t}$ | ${f f}$ | ${f t}$ | ${f T}$ |
| (90) | ${f t}$ | ${f f}$ | ${f t}$ | ${f t}$ |
| (91) | ${f t}$ | ${f f}$ | ${f T}$ | ${f T}$ |
| (92) | ${f t}$ | ${f f}$ | ${f t}$ | ${f T}$ |
| (93) | ${f t}$ | ${f f}$ | ${f T}$ | ${f T}$ |
| (94) | ${f t}$ | ${f f}$ | ${f t}$ | ${f T}$ |
| (95) | ${f t}$ | ${f f}$ | ${f t}$ | ${f t}$ |
| (96) | ${f t}$ | \mathbf{t} | ${f T}$ | ${f F}$ | ${f F}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (97) | ${f t}$ | ${f t}$ | ${f T}$ | ${f F}$ | ${f F}$ | ${f t}$ | ${f T}$ | ${f T}$ |
| (98) | \mathbf{t} | ${f t}$ | ${f T}$ | ${f F}$ | ${f f}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (99) | \mathbf{t} | \mathbf{t} | ${f T}$ | ${f F}$ | ${f f}$ | ${f t}$ | ${f T}$ | ${f T}$ |
| (100) | \mathbf{t} | \mathbf{t} | ${f T}$ | ${f f}$ | ${f F}$ | ${f T}$ | \mathbf{t} | ${f t}$ |
| (101) | \mathbf{t} | \mathbf{t} | ${f T}$ | ${f f}$ | ${f F}$ | \mathbf{t} | \mathbf{t} | ${f T}$ |
| (102) | \mathbf{t} | \mathbf{t} | ${f T}$ | ${f f}$ | ${f F}$ | \mathbf{t} | \mathbf{t} | ${f t}$ |
| (103) | \mathbf{t} | \mathbf{t} | ${f T}$ | f | \mathbf{f} | ${f T}$ | ${f T}$ | ${f T}$ |
| (104) | \mathbf{t} | \mathbf{t} | ${f T}$ | \mathbf{f} | \mathbf{f} | ${f T}$ | \mathbf{t} | \mathbf{t} |
| (105) | ${f t}$ | ${f t}$ | ${f T}$ | ${f f}$ | ${f f}$ | ${f t}$ | ${f T}$ | ${f T}$ |

| Id | φ_0 | φ_1 | φ_2 | φ_3 | φ_4 | $arphi_5$ | φ_6 | $arphi_7$ |
|--------------------|--------------|--------------|--------------|--------------|--------------|-----------|--------------|-------------------------|
| $\overline{(106)}$ | \mathbf{t} | t | \mathbf{T} | \mathbf{f} | f | t | t | $oldsymbol{\mathrm{T}}$ |
| (107) | \mathbf{t} | \mathbf{t} | ${f T}$ | ${f f}$ | ${f f}$ | ${f t}$ | \mathbf{t} | \mathbf{t} |
| (108) | \mathbf{t} | \mathbf{t} | ${f t}$ | ${f F}$ | ${f F}$ | ${f F}$ | ${f T}$ | ${f T}$ |
| (109) | ${f t}$ | ${f t}$ | ${f t}$ | ${f F}$ | ${f F}$ | ${f f}$ | ${f T}$ | ${f T}$ |
| (110) | \mathbf{t} | \mathbf{t} | \mathbf{t} | ${f F}$ | ${f f}$ | ${f F}$ | ${f T}$ | ${f T}$ |
| (111) | \mathbf{t} | \mathbf{t} | \mathbf{t} | ${f F}$ | ${f f}$ | ${f f}$ | ${f T}$ | ${f T}$ |
| (112) | \mathbf{t} | \mathbf{t} | \mathbf{t} | ${f f}$ | ${f F}$ | ${f F}$ | \mathbf{t} | ${f T}$ |
| (113) | \mathbf{t} | \mathbf{t} | \mathbf{t} | ${f f}$ | ${f F}$ | ${f f}$ | \mathbf{t} | ${f T}$ |
| (114) | \mathbf{t} | \mathbf{t} | \mathbf{t} | ${f f}$ | ${f F}$ | ${f f}$ | \mathbf{t} | \mathbf{t} |
| (115) | \mathbf{t} | \mathbf{t} | \mathbf{t} | ${f f}$ | ${f f}$ | ${f F}$ | ${f T}$ | ${f T}$ |
| (116) | \mathbf{t} | \mathbf{t} | \mathbf{t} | ${f f}$ | ${f f}$ | ${f F}$ | \mathbf{t} | ${f T}$ |
| (117) | \mathbf{t} | \mathbf{t} | \mathbf{t} | ${f f}$ | ${f f}$ | ${f f}$ | ${f T}$ | ${f T}$ |
| (118) | \mathbf{t} | \mathbf{t} | \mathbf{t} | ${f f}$ | ${f f}$ | ${f f}$ | \mathbf{t} | ${f T}$ |
| (119) | \mathbf{t} | \mathbf{t} | ${f t}$ | ${f f}$ | ${f f}$ | ${f f}$ | \mathbf{t} | \mathbf{t} |
| (120) | \mathbf{t} | ${f T}$ | ${f T}$ | ${f F}$ | ${f T}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (121) | \mathbf{t} | ${f T}$ | ${f T}$ | ${f F}$ | ${f T}$ | ${f t}$ | ${f T}$ | ${f T}$ |
| (122) | \mathbf{t} | ${f T}$ | ${f T}$ | ${f F}$ | \mathbf{t} | ${f T}$ | ${f T}$ | ${f T}$ |
| (123) | \mathbf{t} | ${f T}$ | ${f T}$ | ${f F}$ | \mathbf{t} | ${f t}$ | ${f T}$ | ${f T}$ |
| (124) | \mathbf{t} | ${f T}$ | ${f T}$ | ${f f}$ | ${f T}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (125) | ${f t}$ | ${f T}$ | ${f T}$ | ${f f}$ | ${f T}$ | ${f t}$ | ${f T}$ | ${f T}$ |
| (126) | \mathbf{t} | ${f T}$ | ${f T}$ | ${f f}$ | ${f t}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (127) | ${f t}$ | ${f T}$ | ${f T}$ | ${f f}$ | ${f t}$ | ${f T}$ | ${f t}$ | ${f t}$ |
| (128) | ${f t}$ | ${f T}$ | ${f T}$ | ${f f}$ | ${f t}$ | ${f t}$ | ${f T}$ | ${f T}$ |
| (129) | ${f t}$ | ${f T}$ | ${f T}$ | ${f f}$ | ${f t}$ | ${f t}$ | ${f t}$ | ${f T}$ |
| (130) | ${f t}$ | ${f T}$ | ${f T}$ | ${f f}$ | ${f t}$ | ${f t}$ | ${f t}$ | ${f t}$ |
| (131) | ${f T}$ | ${f F}$ | ${f F}$ | ${f T}$ | ${f F}$ | ${f F}$ | ${f F}$ | ${f T}$ |
| (132) | ${f T}$ | ${f F}$ | ${f F}$ | ${f t}$ | ${f F}$ | ${f F}$ | ${f f}$ | ${f T}$ |
| (133) | ${f T}$ | ${f f}$ | ${f f}$ | ${f T}$ | ${f F}$ | ${f F}$ | ${f F}$ | ${f T}$ |
| (134) | ${f T}$ | \mathbf{f} | \mathbf{f} | ${f T}$ | \mathbf{F} | ${f f}$ | \mathbf{F} | ${f t}$ |
| (135) | ${f T}$ | \mathbf{f} | ${f f}$ | ${f T}$ | ${f f}$ | ${f F}$ | ${f f}$ | ${f T}$ |

| Id | φ_0 | $arphi_1$ | $arphi_2$ | φ_3 | φ_4 | $arphi_5$ | φ_6 | φ_7 |
|-------|---------------------------------|---------------------------------|------------------------|--------------|---------------------------------|------------------------|---------------------------------|---------------------------------|
| (136) | ${f T}$ | \mathbf{f} | \mathbf{f} | ${f T}$ | \mathbf{f} | \mathbf{f} | \mathbf{f} | \mathbf{T} |
| (137) | ${f T}$ | ${f f}$ | ${f f}$ | ${f T}$ | ${f f}$ | ${f f}$ | ${f f}$ | \mathbf{t} |
| (138) | ${f T}$ | ${f f}$ | ${f f}$ | \mathbf{t} | ${f F}$ | ${f F}$ | ${f f}$ | ${f T}$ |
| (139) | ${f T}$ | ${f f}$ | ${f f}$ | ${f t}$ | ${f F}$ | ${f f}$ | ${f f}$ | ${f T}$ |
| (140) | ${f T}$ | ${f f}$ | ${f f}$ | ${f t}$ | ${f F}$ | ${f f}$ | ${f f}$ | ${f t}$ |
| (141) | ${f T}$ | ${f f}$ | ${f f}$ | ${f t}$ | ${f f}$ | ${f F}$ | ${f f}$ | ${f T}$ |
| (142) | ${f T}$ | ${f f}$ | ${f f}$ | ${f t}$ | ${f f}$ | ${f f}$ | ${f f}$ | ${f T}$ |
| (143) | ${f T}$ | ${f f}$ | ${f f}$ | \mathbf{t} | ${f f}$ | ${f f}$ | ${f f}$ | \mathbf{t} |
| (144) | ${f T}$ | \mathbf{t} | \mathbf{t} | ${f T}$ | ${f F}$ | ${f F}$ | ${f F}$ | ${f T}$ |
| (145) | ${f T}$ | \mathbf{t} | \mathbf{t} | ${f T}$ | ${f F}$ | ${f f}$ | ${f F}$ | \mathbf{t} |
| (146) | ${f T}$ | \mathbf{t} | \mathbf{t} | ${f T}$ | ${f f}$ | ${f F}$ | ${f f}$ | ${f T}$ |
| (147) | ${f T}$ | \mathbf{t} | \mathbf{t} | ${f T}$ | ${f f}$ | ${f f}$ | ${f f}$ | ${f T}$ |
| (148) | ${f T}$ | \mathbf{t} | ${f t}$ | ${f T}$ | ${f f}$ | ${f f}$ | ${f f}$ | ${f t}$ |
| (149) | ${f T}$ | ${f t}$ | ${f t}$ | ${f t}$ | ${f F}$ | ${f F}$ | ${f f}$ | ${f T}$ |
| (150) | ${f T}$ | \mathbf{t} | ${f t}$ | ${f t}$ | ${f F}$ | ${f f}$ | ${f f}$ | ${f T}$ |
| (151) | ${f T}$ | ${f t}$ | ${f t}$ | ${f t}$ | ${f F}$ | ${f f}$ | ${f f}$ | ${f t}$ |
| (152) | ${f T}$ | ${f t}$ | \mathbf{t} | ${f t}$ | ${f f}$ | ${f F}$ | ${f f}$ | ${f T}$ |
| (153) | ${f T}$ | ${f t}$ | \mathbf{t} | ${f t}$ | ${f f}$ | ${f f}$ | ${f f}$ | ${f T}$ |
| (154) | ${f T}$ | \mathbf{t} | \mathbf{t} | \mathbf{t} | ${f f}$ | ${f f}$ | ${f f}$ | \mathbf{t} |
| (155) | ${f T}$ | ${f T}$ | ${f T}$ | ${f T}$ | ${f T}$ | ${f T}$ | ${f T}$ | ${f T}$ |
| (156) | ${f T}$ | ${f T}$ | ${f T}$ | ${f T}$ | ${f T}$ | \mathbf{t} | ${f T}$ | ${f T}$ |
| (157) | ${f T}$ | ${f T}$ | ${f T}$ | ${f T}$ | \mathbf{t} | ${f T}$ | \mathbf{t} | \mathbf{t} |
| (158) | \mathbf{T} | \mathbf{T} | \mathbf{T} | \mathbf{T} | \mathbf{t} | \mathbf{t} | \mathbf{t} | ${f T}$ |
| (159) | \mathbf{T} | \mathbf{T} | \mathbf{T} | ${f T}$ | $\frac{\mathbf{t}}{}$ | $\frac{\mathbf{t}}{-}$ | $\frac{\mathbf{t}}{}$ | $\frac{\mathbf{t}}{}$ |
| (160) | $\frac{\mathbf{T}}{\mathbf{T}}$ | $\frac{\mathbf{T}}{-}$ | $\frac{\mathbf{T}}{-}$ | t | $\frac{\mathbf{T}}{\mathbf{T}}$ | \mathbf{T} | $\frac{\mathbf{T}}{-}$ | $\frac{\mathbf{T}}{-}$ |
| (161) | $\frac{\mathrm{T}}{\mathrm{T}}$ | $\frac{\mathbf{T}}{\mathbf{T}}$ | ${f T}$ | t | \mathbf{T} | t | $\frac{\mathbf{T}}{\mathbf{T}}$ | $\frac{\mathrm{T}}{\mathrm{T}}$ |
| (162) | \mathbf{T} | \mathbf{T} | \mathbf{T} | t | t | ${f T}$ | \mathbf{T} | \mathbf{T} |
| (163) | \mathbf{T} | $\frac{\mathbf{T}}{\mathbf{T}}$ | \mathbf{T} | t | t | \mathbf{T} | t | t |
| (164) | \mathbf{T} | \mathbf{T} | \mathbf{T} | t | t | t | \mathbf{T} | ${f T}$ |
| (165) | ${f T}$ | ${f T}$ | ${f T}$ | \mathbf{t} | \mathbf{t} | \mathbf{t} | \mathbf{t} | ${f T}$ |

| Id | φ_0 | φ_1 | φ_2 | φ_3 | $arphi_4$ | $arphi_5$ | $arphi_6$ | $arphi_7$ |
|--------------------|-------------|-------------|-------------|--------------|-----------|--------------|--------------|--------------|
| $\overline{(166)}$ | ${f T}$ | ${ m T}$ | ${ m T}$ | \mathbf{t} | t | \mathbf{t} | \mathbf{t} | \mathbf{t} |