

Output from Python Script

1 4-valued \leq_4

1.1 Unary selection operators

| | |
|--------------------|--|
| $S_i^\perp(x)$ | $x \wedge \diamond \sim (x) \wedge \diamond \sim \diamond \sim (x)$ |
| $S_0^0(x)$ | $\diamond(x) \wedge \sim \diamond \sim \diamond \sim (x) \wedge \sim \diamond \sim \diamond(x)$ |
| $S_0^0(x)$ | $x \wedge \sim (x) \wedge \sim \diamond \sim (x)$ |
| $S_1^0(x)$ | $\diamond \sim \diamond \sim (x) \wedge \sim \diamond \sim \diamond \sim (x) \wedge \diamond(x)$ |
| $S_\perp^0(x)$ | $\diamond \sim (x) \wedge \sim \diamond \sim (x) \wedge \diamond \sim \diamond(x)$ |
| $S_\perp^1(x)$ | $\diamond \sim \diamond(x) \wedge \sim \diamond \sim \diamond(x) \wedge \diamond \diamond(x)$ |
| $S_0^1(x)$ | $\diamond(x) \wedge \sim \diamond(x) \wedge \diamond \sim (x)$ |
| $S_1^1(x)$ | $x \wedge \sim (x) \wedge \diamond \sim \diamond(x)$ |
| $S_\perp^1(x)$ | $\diamond \sim \diamond \sim (x) \wedge \sim \diamond \sim \diamond \sim (x) \wedge \diamond \sim \diamond(x)$ |
| $S_\perp^\perp(x)$ | $\sim \diamond \sim (x) \wedge \sim \diamond \sim \diamond \sim (x) \wedge \sim (x)$ |
| $S_0^\perp(x)$ | $\diamond \sim \diamond \sim (x) \wedge \sim \diamond \sim \diamond(x) \wedge \diamond \diamond(x)$ |
| $S_1^\perp(x)$ | $\diamond(x) \wedge \diamond \sim (x) \wedge \sim \diamond \sim \diamond(x)$ |
| $S_\perp^\perp(x)$ | $x \wedge \sim \diamond(x) \wedge \sim \diamond \sim \diamond(x)$ |

Figure 1: Normal forms for the unary selection operators

1.2 Policy decision table

| p_1 | p_2 | p_3 | p_4 | P |
|-------|-------|-------|-------|-----|
| 0 | t | b | 1 | b |
| b | t | 0 | b | b |
| 1 | 0 | 1 | 1 | b |
| b | b | b | 1 | b |
| t | 1 | 0 | t | 0 |
| 1 | t | 0 | 0 | 1 |
| t | 0 | b | b | b |
| b | 0 | t | 0 | 1 |
| 0 | 1 | 1 | t | b |
| 0 | 1 | 0 | 0 | b |

1.3 Policy expressed using unary selection operators

[illegible]