

75.2 State properties

Proof of (1) is based on the following place invariants of $\Sigma_{75.1}$:

$$\text{inv1: } E + L + F + G - D - U * |B| = 0$$

$$\text{inv2: } F + G + H + J + N + P + K + L = U$$

$$\text{inv3: } U * A + U * B + C + D = U$$

$$\text{inv4: } F + G + J + H - M = 0$$

$$\text{inv5: } H + J + N + P + K - E - U * A - C = 0$$

$$\text{inv6: } L + M + N + P + K = U$$

$$\text{inv4 and inv6 imply } F + G + J + H \leq U.$$