

LDL_f formula $\varphi ::= A \mid \neg\varphi \mid \varphi_1 \wedge \varphi_2 \mid \langle \rho \rangle \varphi$

Proposition $\psi ::= \text{LDL}_f \text{ formula w/o modality}$

Regular path $\rho ::= \psi \mid \varphi? \mid \rho_1 + \rho_2 \mid \rho_1; \rho_2 \mid \rho^*$

Atomic proposition $A ::= \mathbf{true} \mid \mathbf{false} \mid \text{symbol}$