A Generic Framework for Symbolic Execution: a Coinductive Approach

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MojeIntro

```
int x,y;
x = get();
y = -x;
y = -y;
assert(x == y);
```

Může assert selhat?

Operační sémantika

$$OpSem : Program \rightarrow TransitionSystem$$

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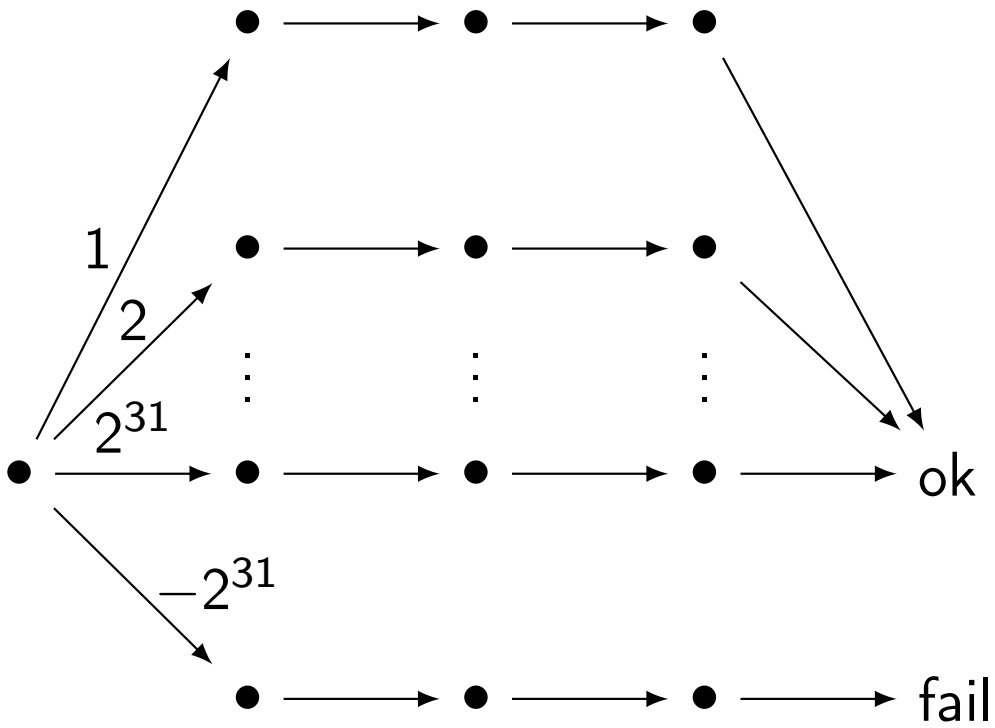

FOL

$$\phi ::= \top \mid p(t_1, \ldots, t_n) \mid \neg\phi \mid \phi \wedge \phi \mid (\exists X)\, \phi \tag{1}$$

ML

Signature ML: 123

$$\varphi ::= \pi \mid \top \mid p(t_1, \ldots, t_n) \mid \neg\varphi \mid \varphi \wedge \varphi \mid (\exists V)\, \varphi \tag{2}$$