

A Generic Framework for Symbolic Execution

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1 Intro

2 Logics

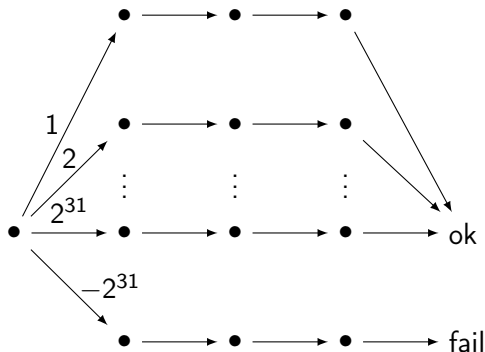
MojeIntro

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

Může assert selhat?

$OpSem : Program \rightarrow TransitionSystem$

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$$\phi ::= \top \mid p(t_1, \dots, t_n) \mid \neg \phi \mid \phi \wedge \phi \mid (\exists X) \phi \quad (1)$$

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$$\varphi ::= \pi \mid \top \mid p(t_1, \dots, t_n) \mid \neg \varphi \mid \varphi \wedge \varphi \mid (\exists V) \varphi \quad (2)$$