

SMV model

```
module main () {  
    p: boolean;  
    q: boolean;  
  
<DEFINE MODULE>  
  
FAIRNESS TRUE; }
```

Timeline



And-inverter graph



Temporal logic

$$\square((p \mathcal{U} q) \vee r)$$
$$\Diamond(p \wedge \mathcal{XXX} q)$$

INTERMEDIATE LANGUAGE

BDD

IC3/PDR

K-liveness