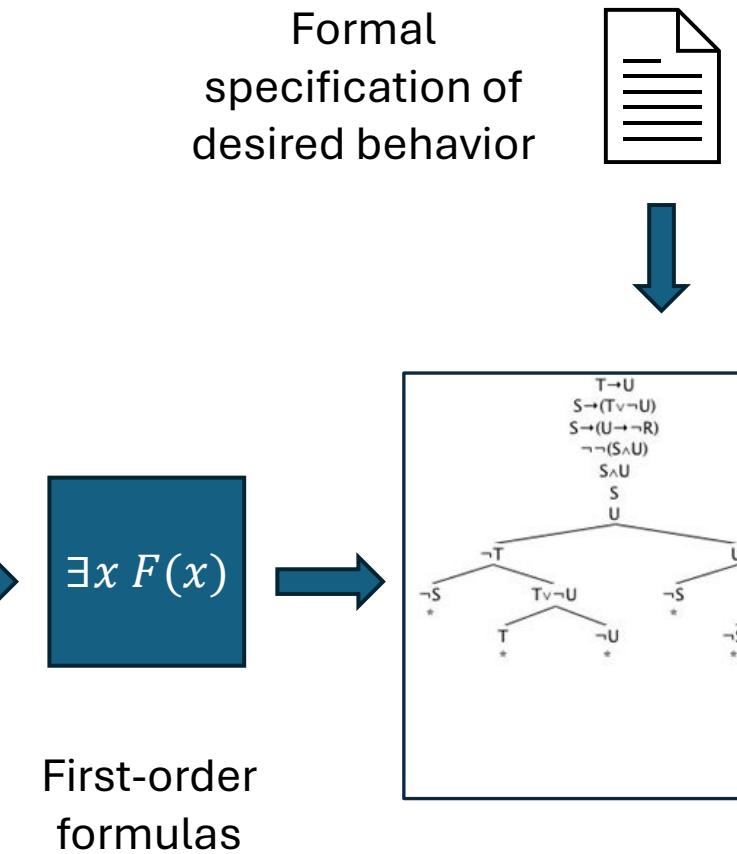




ASP
program

Translation



```
tff(f104,plain,(  
    $less(1,'a$i')),  
    inference(cnf_transformation,[],[f23])).  
tff(f23,plain,(  
    $less(1,'a$i')),  
    inference(theory_normalization,[],[f16])).  
tff(f16,axiom,(  
    $greater('a$i',1)),  
    file('zh/backward_problem_1.p',assumption)).  
tff(f180,plain,(  
    ~spl11_5),  
    inference(avatar_split_clause,[],[f99,f178])).  
tff(f176,plain,(  
    ~spl11_4),  
    inference(avatar_split_clause,[],[f100,f174])).  
tff(f172,plain,(  
    spl11_3),  
    inference(avatar_split_clause,[],[f101,f170])).  
tfff(f101,plain,(  
    sK0 = f__integer__(sK1)),  
    inference(cnf_transformation,[],[f70])).  
tff(f168,plain,(  
    ~spl11_2),  
    inference(avatar_split_clause,[],[f102,f166])).  
tfff(f166,plain,(  
    spl11_2 <=> composite(sK0)),  
    introduced(avatar_definition,[new_symbols(naming,  
        ~spl11_1),  
        inference(avatar_split_clause,[],[f103,f162])).  
tff(f162,plain,(  
    spl11_1 <=> prime(sK0)),  
    introduced(avatar_definition,[new_symbols(naming,  
        % Szs output end Proof for backward_problem_1
```

Proof of
program's
correctness