```
signature ACT_PROTECTED =
  sig
    datatype act = Act of string | Tau of string
  end

signature ACT =
  sig
    type act
  end

signature AGENT =
  sig
    structure A : ACT
    type agent
  end

signature AGENT_PROTECTED =
  sig
    include AGENT
    structure A' : ACT_PROTECTED sharing A = A'
    datatype agent' = Nil
                    | Prefix of A.act * agent'
                    | Sum of agent' * agent'
      sharing type agent = agent'
  end
```