```
rel_arg_typ_wf  THM

⊢  ∀r:rel(), de:sig(), i:ℕ.
   tc1(r;de) ⇒ i<||r.args|| ⇒ rel_arg_typ(r.name;i;de) ∈ SimpleType
  by D 0 THENA Auto
THEN Unfolds ``tc1 rel_arg_typ`` 0

     THEN D 1 THEN D 1 THEN All Reduce
THEN Auto'
END
```