```
w-act_wf  THM

⊢  ∀the_w:World, e:E. act(e) ∈ {a:Action(loc(e))| ¬isnull(a) }
| by Unfolds [‘w-E‘;‘w-act‘;‘w-loc‘] 0
|
1. the_w : World
2. e : {p:(Id×ℕ)| ¬isnull(a(1of(p);2of(p))) }
⊢  a(1of(e);2of(e)) ∈ {a:Action(1of(e))| ¬isnull(a) }  by Analyze
|
.....set predicate .....
1. the_w : World
2. e : {p:(Id×ℕ)| ¬isnull(a(1of(p);2of(p))) }
⊢  ¬isnull(a(1of(e);2of(e)))  by Analyze -1
END
```