```
ma-is-empty_wf_join  THM

⊢  ∀L:MsgA List. ma-is-empty(⊕(L)) ∈ 𝔹
| by Assert (∀M:MsgAForm. ma-is-empty(M) ∈ 𝔹)
|
|\
| .....assertion .....
| ⊢  ∀M:MsgAForm. ma-is-empty(M) ∈ 𝔹
|   by Analyze 0 THEN RepeatFor 8 (Analyze -1 THEN Analyze -2)
|      THEN
|      Repeat (Unfolds [‘ma-is-empty‘;‘fpf-is-empty‘] 0)
|      THEN
|      Reduce 0
|
.\
. 1. ∀M:MsgAForm. ma-is-empty(M) ∈ 𝔹
. ⊢  ∀L:MsgA List. ma-is-empty(⊕(L)) ∈ 𝔹
. | by Inst
. |    Thm* ∀L:MsgA List. ⊕(L) ∈ MsgAForm
. |    {msg_DASH_form_DASH_join_DASH_list}
. |    []
. |
. 1. ∀M:MsgAForm. ma-is-empty(M) ∈ 𝔹
. 2. ∀L:MsgA List. ⊕(L) ∈ MsgAForm
. ⊢  ∀L:MsgA List. ma-is-empty(⊕(L)) ∈ 𝔹
.   by ParallelOp -1 THEN BackThru 1
END
```