```
bi-graph-inv_wf  THM

⊢  ∀G:(Id→𝔹), to,from:(|G|→(IdLnk List)), l:Edge(G).
   bi-graph(G;to;from) ⇒ inverse(l) ∈ Edge(G)
  by Auto THEN Unfold ‘bi-graph-inv‘ 0
     THEN
     BackThru
     Thm* ∀G:(Id→𝔹), to,from:(|G|→(IdLnk List)), l:Edge(G).
          bi-graph(G;to;from) ⇒ lnk-inv(l) ∈ Edge(G)
     {inv_DASH_is_DASH_edge}
END
```