```
beq_sym  THM

⊢  ∀p,q:𝔹. p =ᵦ q = q =ᵦ p
  by (Unfold ‘beq‘ 0 THEN RepD) THEN (BoolCases 1) THEN (BoolCases 1)
     THEN
     (Reduce 0)
END
```