```
intseg_shift_by  THM

⊢  ∀a:ℤ, b,c:ℤ. {a..b⁻} ∼ {(a+c)..(b+c)⁻}
  by Auto
     THEN
     BackThru:
     Thm*  ∀a,b,a',b':ℤ. b-a = b'-a' ⇒ ({a..b⁻} ∼ {a'..b'⁻})
     {intseg_shift}
END
```