```
imax_assoc  THM

⊢  ∀a,b,c:ℤ. imax(a;imax(b;c)) = imax(imax(a;b);c)
| by UnivCD THEN RW (NthsC [2;4] (UnfoldTopC ‘imax‘)) 0
|
1. a : ℤ
2. b : ℤ
3. c : ℤ
⊢  imax(a;if b≤₂c→ c else b fi) = imax(if a≤₂b→ b else a fi;c)
  by SplitOnConclITEs THEN Unfold ‘imax‘ 0 THEN SplitOnConclITEs
END
```