Any set of sentences S is representable in clausal form

$\downarrow$

Assume S is unsatisfiable, and in clausal form

$\downarrow$ ← Herbrand's theorem

Some set S' of ground instances is unsatisfiable

$\downarrow$ ← Ground resolution theorem

Resolution can find a contradiction in S'

$\downarrow$ ← Lifting lemma

There is a resolution proof for the contradiction in S'