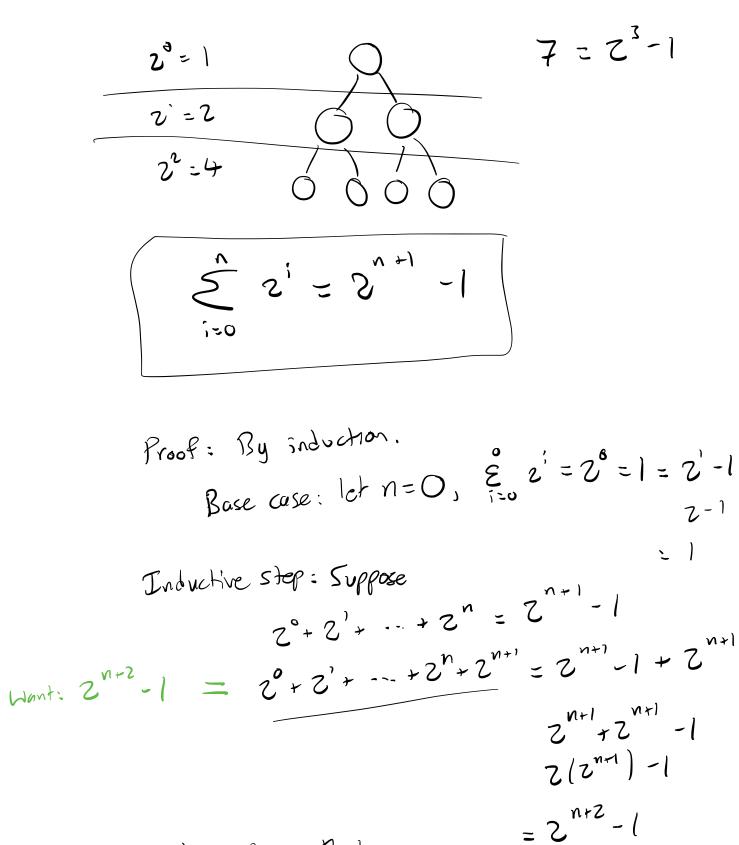
CSCI 301 - Leture 17



We have shown that  $2^{\circ} + 2^{\circ} + - - + 2^{n+1} = 2^{n+2} - 1, 53$ 

The claim is true for n+1 if it's true for n. This completes the proof by induction.