2. Take the grammar below.

Rule 1: *S* → *A* $

Rules 2 - 4: *A* → a*A*|*B*b|ε

Rules 5 - 6: *B* → b*B*|c*A*

* (a) Calculate the First, Follow, and →\* ε sets / properties for the nonterminals.
* (b) Write out the LL(1) prediction parse table implied by part (a).
* (c) Use your parse table to complete the a trace of a parse of abcacbb$.
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