## Question 1

(?=[abc]{4})([abc]\*([abc]{0,2}(aa|cc)[abc]{0,2}))
Uses positive look ahead to ensure length by checking if there is a fourth character that is in {a,b,c} before attempting to match the word. This makes this expression easier to change and more flexible. I don't know if we were supposed to use that if not the expression without this is,

[abc]\*(((aa|cc)[abc]{2})|([abc](aa|cc)[abc])|([abc]{2}(aa|cc)))

## Question 2

