Give both a regular expression and a finite automaton for the following language. The alphabet is \{a, b, c\}. The language is all strings that satisfy at least one of the following properties:
(i) the string starts and end with an \(a\),
(ii) the string starts with a \(b\) and has even length, or
(iii) there is exactly one \(c\) in the string.

\[
\begin{align*}
(a(a+b+c)^*a + \& c + b(a+b+c)((a+b)(a+b+c))^* + (a+b)^*c(a+b)^* \\
\end{align*}
\]