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.

\[
a(a+b+c)^*a + a
+ b(a+b+c)((a+b+c)(a+b+c))^*
+ (a+b)^*c(a+b)^*
\]