REs to DFAs

Design a **single algorithm** than can convert
the following three regular expressions into their equivalent DFA.

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2. $(ax|aa^+x*a)^+$
3. $(t^+q*|rqtq*|t^4q^4)$

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These are not complicated REs, certainly not as complicated as some of
your LGA solutions! But contemplating an algorithm for **just these three
examples** is a challenge — and for scanning program source, we'll need an
algorithm for **any** regular expression!