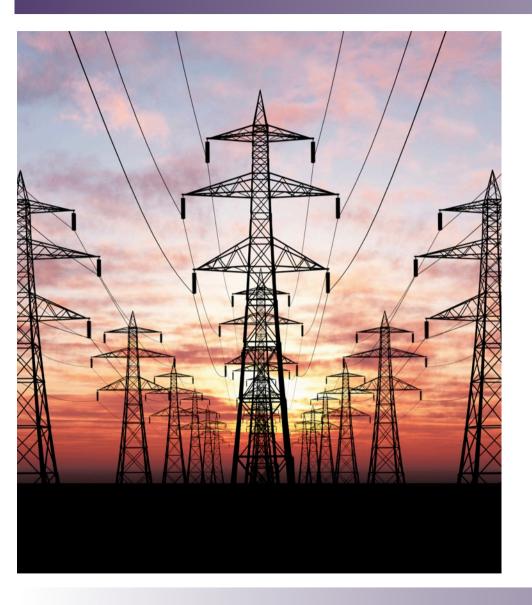
Power Mad!





Can you find convincing arguments that explain why all the statements below are true?

- a) $2^1 + 3^1$, $2^3 + 3^3$, $2^5 + 3^5$, ..., $2^{99} + 3^{99}$ are all multiples of 5.
- b) $1^{99} + 2^{99} + 3^{99} + 4^{99}$ is a multiple of 5.
- c) $1^x + 2^x + 3^x + 4^x + 5^x$ is a multiple of 5 when x is odd