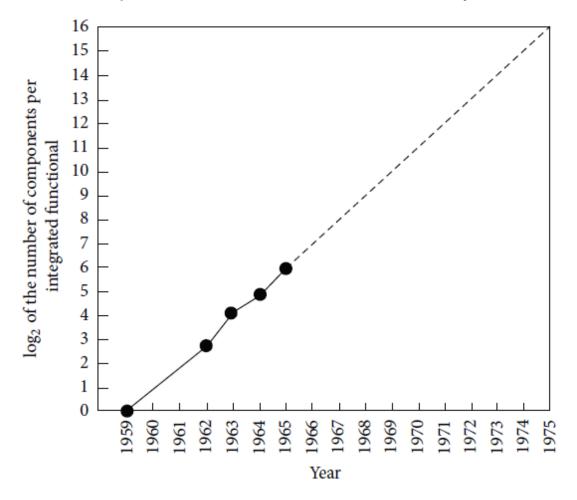
Moore's Law History

- Alan Turing in his 1950 paper "Computing machinery and intelligence" had predicted that by the turn of the millennium.
- we would have "computers with a storage capacity of about 10⁹" what today we would call 128 megabytes processing speed, memory capacity, sensors, and even the number and size of pixels in digital cameras, for example, smartphone.
- After him, Gordon Earle Moore (born January 3, 1929; UC Berkeley BS Chemistry, 1950; Caltech PhD. major in Chemistry and minor Physics, 1954) is the cofounder and Chairman Emeritus of Intel Corporation.
- In 1965, Moore, a founder of Fairchild Semiconductor (later Intel), observed in his famous paper that
 - "The number of transistors incorporated in a chip will approximately double every 24 months."
 - "the complexity for minimum component costs has increased at a rate of roughly a factor of two per year"

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Moore's Law History

 Extrapolating this trend for a decade, Moore predicted that chips with 65,000 components would be available by 1975.



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