

● Moore's Law:

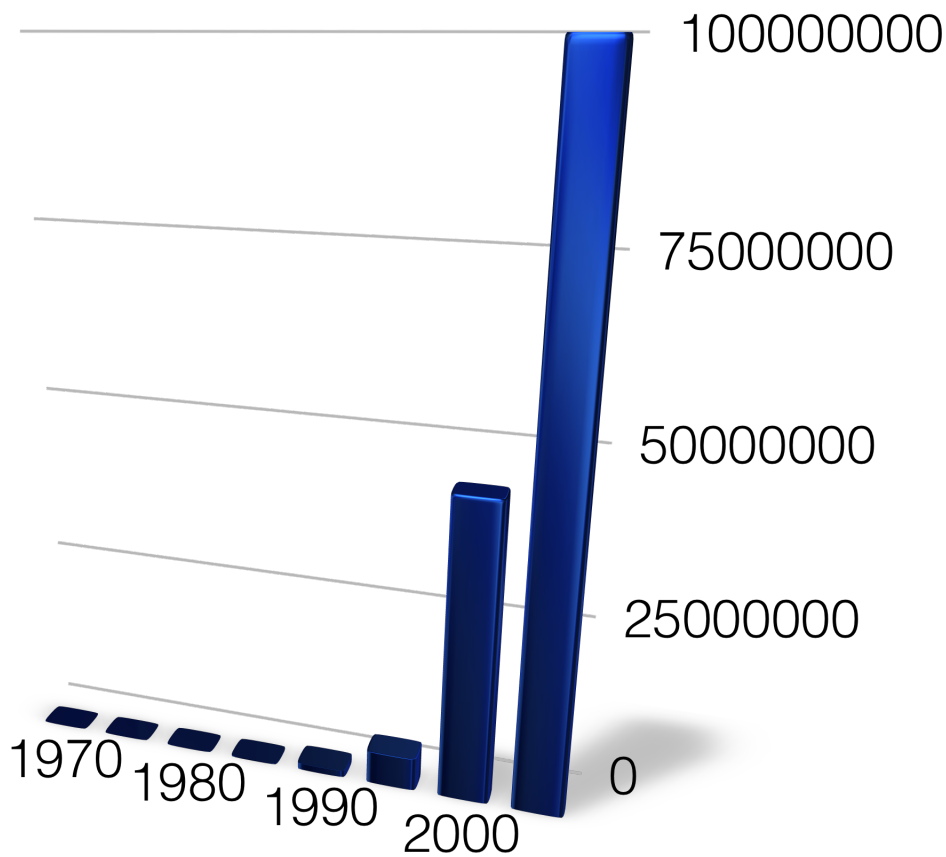
observation made by Intel co-founder Gordon **Moore** in 1965. He noticed that the number of transistors per square inch on integrated circuits had doubled every year since their invention. **Moore's law** predicts that this trend will continue into the foreseeable future.





Increasing The Speed of Processors

Moore's Law



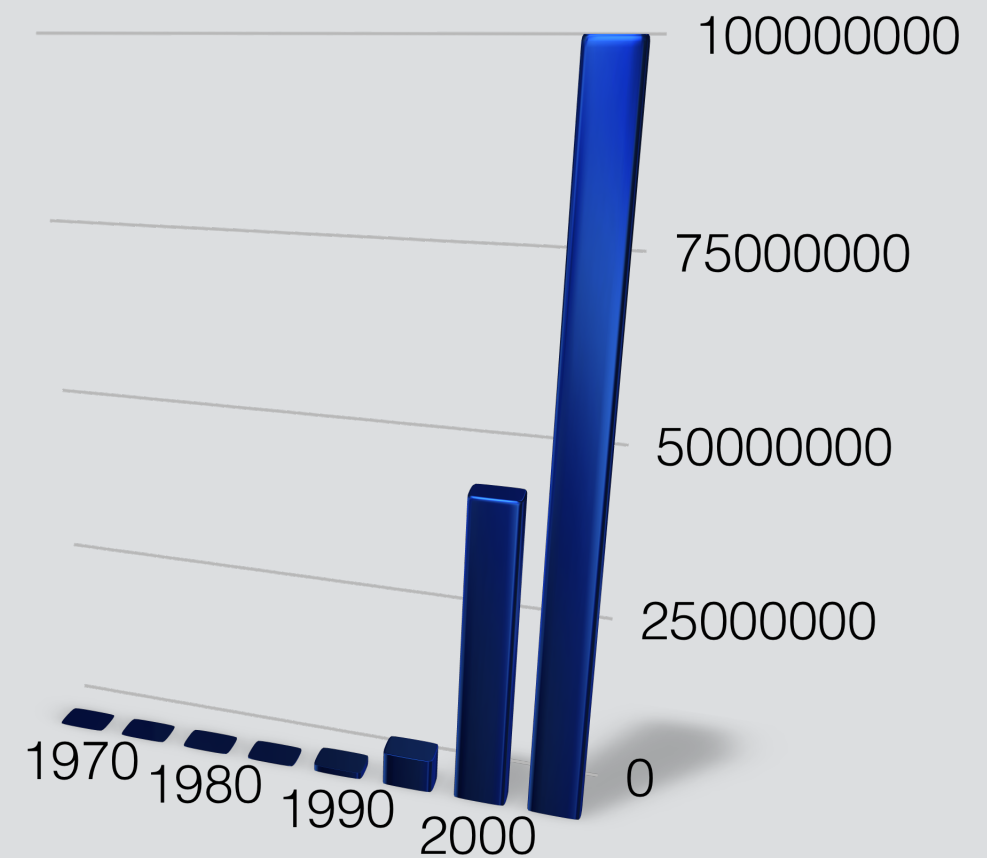


Increasing The Speed of Processors

Moore's Law

- Moore's Law:

observation made by Intel co-founder Gordon **Moore** in 1965. He noticed that the number of transistors per square inch on integrated circuits had doubled every year since their invention. **Moore's law** predicts that this trend will continue into the foreseeable future.



Increasing The Speed of Processors

Moore's Law

- Moore's Law's Problem (Power Wall):

The clock rate can not continue to scale without exceeding the air-cooling limits.

