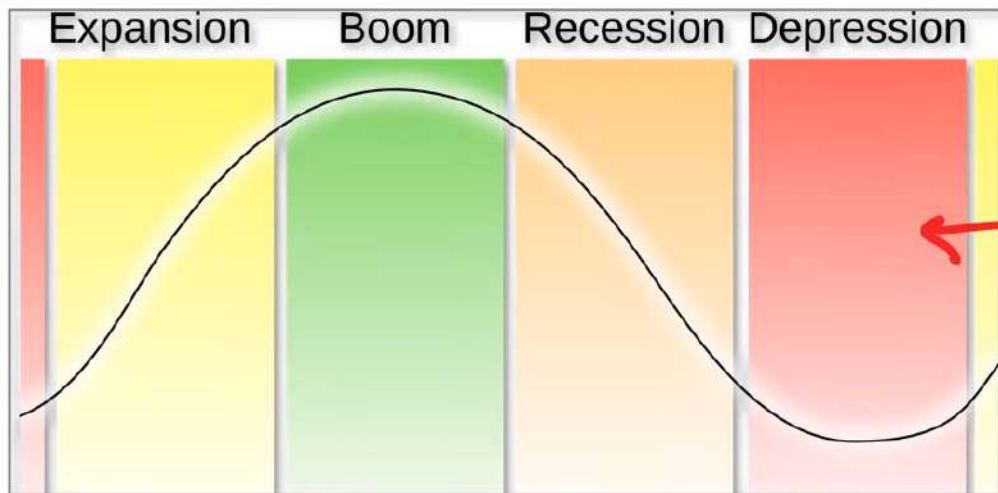


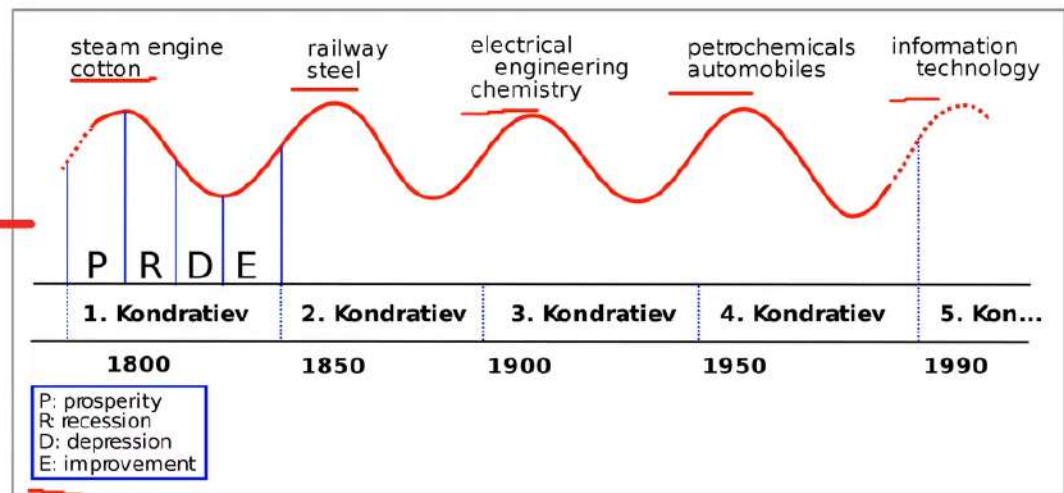
Innovation Waves

Cheat sheets, Practice Exams and Flash cards 🖱️ www.exampro.co/clf-c01

Kondratiev waves (aka Innovation Waves or K-Waves) are hypothesized cycle-like phenomena in the global world economy. The phenomenon is closely connected with Technology life cycles.



A common pattern of a wave
change of **supply** and **demand**



Each wave irreversibly changes the
society on a global scale.
The latest wave is **Cloud Technology**

Burning Platform

Cheat sheets, Practice Exams and Flash cards 🖱️ www.exampro.co/clf-c01

Burning platform is a term used **when a company abandons old technology for new technology** with the uncertainty of success and can be motivated by fear that the organization future survival hinges on its digital transformation



Evolution of Computing Power

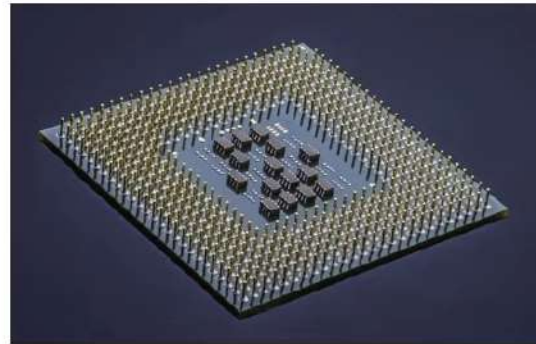
Cheat sheets, Practice Exams and Flash cards  www.examprompro.co/clf-c01

What is Computing Power?

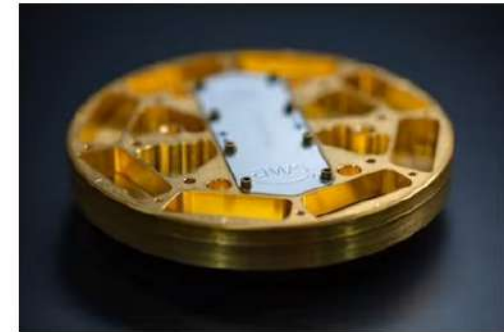
The throughput measured at which a computer can complete a computational task.



General Computing
Xeon CPU Processor



GPU Computing
*50x faster than traditional CPUs



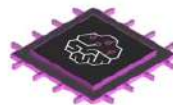
Quantum Computing

- D-Wave 2000Q
- **Rigetti 16Q Aspen-4**
- IonQ linear ion trap
- 100 Million times faster

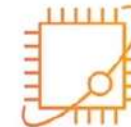
-- AWS Service Offering --



Elastic Compute Cloud EC2



AWS Inferentia (Inf1)



AWS Bracket
Via CalTech

