Mathematics in Real Life

In Architecture:
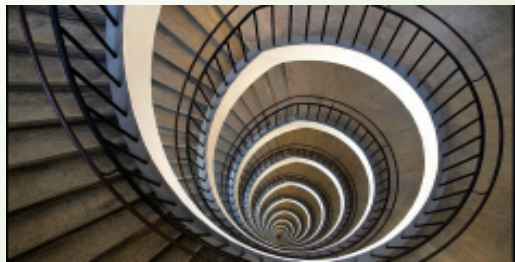
Fibonacci sequence
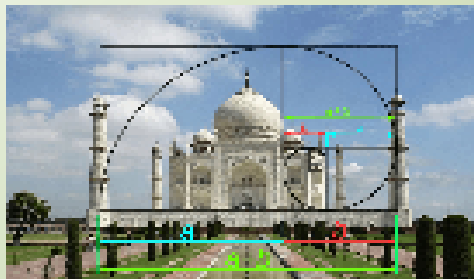
Golden ratio
a+b/a = a/b =1.618...= φ
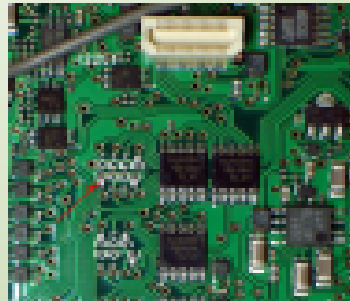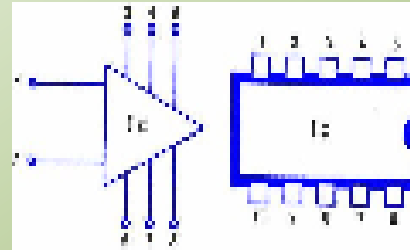
Matrices
To find the stress
of components of buildings
By solving linear equations
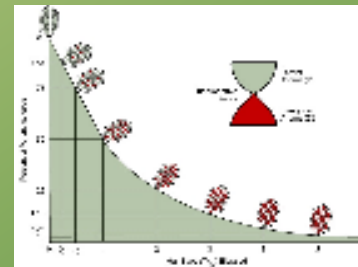
In technology

Boolean Algebra
Widely use to make integrated circuits etc
E.g. Mobile phone, PC and
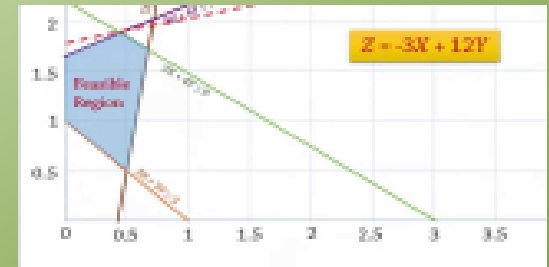electronic instruments etc

Growth and Decay

Bacterial Culture Growth

Radioactive decay

$$P = P_0 e^{kt}$$
k>0 for growth, k<0 for decay

Also helps to find Human
population growth

In Banks / Business

Linear Programming
To estimate maximum profit
or minimum loss of the
investment or vice versa

In Kitchen

For delicious and
perfect dish
measurement is
the most
required thing

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M.SC Mathematics part-I