

Analysis Framework:-

- It is important to analyse based on the input size.
- > size of list for arrays.
- > degree of 'n' for polynomial equation
- size also influenced by operations of an algorithm.

Size is measured by $b = \log 2^{n+1}$.

2) units for measuring running time.

running time of a program by speed of the computer program.

→ Speed of computer depends on speed, quality of a program, compiler and clocking

→ But best approach is "count the number".

That is number of times each operation of an algorithm is executed.

→ have to identify the basic operations

↳ most time consuming operation - inner loop.