Analysis of Algorithmic efficiency. Why? Les To predict behaviour of on algorithm before its implementation Ly To compone différent algorithms based on their performance to a specific input Les To study various factors on which efficiency depends

ГАНШ	ARE THESE FACTORS?	
ightharpoonup	Resource Allocation	
L->	Dependencies	
	Specific Technologies	System 11.
L-,	Communication channels	Voriables
L>	Other factors	

SOLUTION ?

Asymptotic Analysis

Ly Measure the efficiency of algorithms based on the factors that one not system dependent.

I One of these can be size of input

OBJECTIVES OF ASYMPTOTIC ANALYSIS (1) Simplicity

(11) Comparability

(111) Scalability