a) Efficiently - fine + some melerstanelle.

Security.

Efficiency. i's fint espace. User-friendly: User-Can use it evily under standable: it is all about from your a propromise can third the error quality Sporem is to provid service to users and as programmer we should - check every is understandle CASE yours stand for computer fields Software Engineering. it is pasically thours the protessifike requirements -> Diesign -> inplementation-> verification-> maintance towny these instructions the sequence developes

9 praises effort pushed is It is the bother flow input SFC. Very fast and conviences Con: not flexible 1) parametric. Estimating, it is a brance Statics. Pros. very accurate theoretimy (3) I.KT. method pros: accurate complexity and cosy. consi topse consulting. 4) MBCE; use · a · Unione mode Base. Cost engineering technology. pros: cécurate Cons. Compti Cotted

First generations: muchine language very fast but not understandle Second Generation: Assembly-it is 17+10 further from Linary So this is like APD AX, 01. it is more understandible, small sine but held assembles Third Constition procedure - muthementicians found out Har coeling BL can be Turring marking egnovalen. Frunth generation something like 06 and 502. Using 00 You can use creat procles easy abstraction easy data analysis but turnos important is believe at inheritance using. Sal follow. function. programmy.

· 安安安安安安安东京大学 Shool has dept has haves has Senior orunty bouns designer men assitant

0 Control Ficher ale wong INSERT Carel 00 in crefed Carel that food scan. Sanned Cherks Stolen cherth card r?vol neture well Simul

Horarray. a) We can the binary search left, right = 0, len (arrang) mid= [left try] When The Night [Jamy[think] = 2 array [mieti] or array I mid = array [midt] result array [or resur appen I arry midt then we can use binamy to search left hart and right half of the array recursing. the time Comprecient will be first (logh) since there are n times of binary search

so we could design a have case for the algrithm. Say. when the n==0; return 1 then it no/0 Z==1: We could do ax femorin can · else: p= dinavion (a, n/2) return perpthe fine completely win be smaller flor O(n) because i'n some styps will divide the exponent so, it win be Logn < Oamy compuning < n.