## ANS TO Q.4

# Integer range [1, 100]

hom = 50

min = 1

max = 100

mint = 2

max = 33

min = 0

max\* = 101

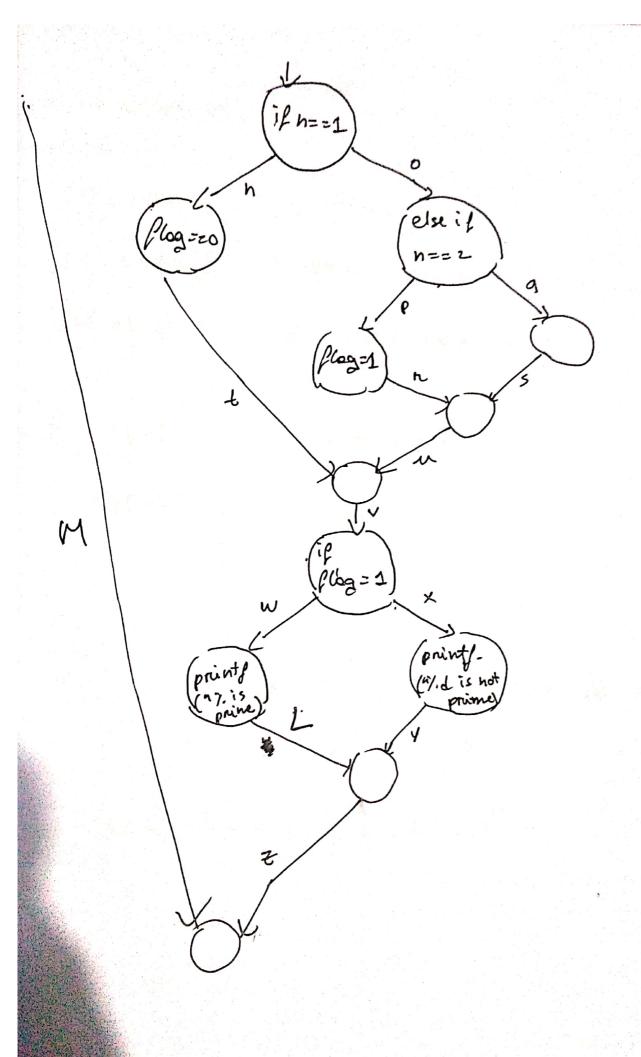
Bre= 4 mi+1 = 4(1)+1=5

les	Integer	Prime
1	1	not prime
2	100	not prime
-	2	prime
3		not prime
_4	39	not prime
5	1 50	1 MO, Process

Robust testing = 6n+1 = 7

6	0	not prime
7	101	prime

Workst test easing 5h = 5 so, workst test easing is some as BVC



in abde giklmntvwzz

iii) abde giklmntvwzz

iii) abde giklmntvwzz

iv) abde giklm o pruv wzz

v) abde fhjklm o q suv wzz

vi) abde giklmntvxyz

Cy do notice complexity

cost d=1+(+1+1+1=5

#### ANS TO 0.3

General classification

- 1. External entities
- 2 things
- 3. Occurrence or events
- 4. Roles
- 5. Oreganizational units
- 6. Places
- 7. Strandures

houn	General classification	Remarks
Sofe Home	V 22 8 1	
home securitus system	É	
undesidonable situations	3	
Pine	2	
smoke detectors	1, 2, = 7,	
window sunson	2, 2, 7	
door sensor	1, 2, 2	

motion detector	1, 27	1
alonn	1,2,3,	~ ~
event	2, 3	
contral panel	2,5,4	
display	2	
telephone number	2	
telephone eall	2,3	

OBJECT OPIENTED ANALYSIS:

Discond classes	for concepts:	REMARKS
NOUN	Discord elesses	
undesidarable #	refer to the system as a whole	
ST. FOOGTONS		
Rince	too specific	v
smoke detectors		V
window sunsor		-
door sunsor		
motion detector		

alorem	Vor S. Var	B. Jan. Land Car Ship and
event	too vague	
control panel		
display		
tdephone numbers	too specific	
telephone call	to reinfie	
	•	1

## COAD'S YOURDONN'S CRITERIA

- 1. Retained information
- 2. Needed survices
- 3. multiple ditributes
- 4. common 4
- 5. n operations
- 6. external entities.

NOUN	COAD'S YOURDON'S	REMARKS
smoke detectors	1, 2, 3, 4, 5,6	
window sunsor	1, 2, 3, 4, 5,6	~
door sensor	1, 2, 3, 4, 5, 6	
motion detector	1, 2, 3, 4, 5, 4	
alonn	2,9,	V
control panel	1, 2, 3, 4, 5.	
display	1, 2, 3, 4, 5	

•	one humb	ens 1,2,4,5	
teleph	one call	5 1,2,4,3	
			A Way
		and have the same	( Co) afternoon
			3/4
		many many	
		英海市 海节 音	
		213 Hazar	
		ورادي	
		1 Land Land Panes	
		1 400 May 1 94 65	
		1 400 May 1 94 65	
		200 May 1 94 99	
		200 Lack 2 0 4 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		200 May 1 94 99	
		200 Lack 2 0 4 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

### ANS TO QL

generic prod	customized prod
produced for the open market	produced for particular enstoner
include many features	focused on the features customen heeds
affordable	costly
heed license to be used	GWHEN is the
usur intalls and tests it itself.	pa the customer
made for future	hade as per the
highly scoloble	balaneced between elient's requirement and scalability

Software costs more to mantain than to develop: - for systems with a long life, maintenance costs may be several time, development costs.

Montenance mean if the company which developed the software close the company you will be in trouble in maintanance and up-grading the seftware.

Linear model: - is an SDLC model where eg execution of process happens in a seguential manner.

Limitation:

- i) if a mistake occurs, you connot testurn back
- is) controt handle changes

V model = is also a sequential manner but is based on the association of a testing press for each development stage. It is also known as Volidation and verification model.

Verification = checking of a product as its phase either it is developed to meet the required specifications

Volidation = checking of product if it meets customer demands at the end of development.

Limitation: -

i) connot handle change,

baily sever scrum is held every day because the development team plans work for the next 24 h. This optimizes team collaboration and performer. It reduce time complexity