| CS 780 - Advanced Software Engineering |
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| Nom: Touch Verk La Suya Prakah Devathi |
| Nom: Jogeth Venkata Surya Prakarth Devathi 1D: 0659a624 |
| 1) of them to word wife the menn man |
| a) Logical Artifact |
| - Thue include the decision-moleing flow of Control. |
| - There are developed betok operational artifact |
| 6) Operational Antifaction |
| - These perform actual operations of the |
| and more 10 learn of the consumptions |
| c) Post de livery Maintenance: |
| - Any change to ony component of the product |
| Cincluding documentation) after if how pained |
| - It is needed to correct nesidual fault. |
| - Analysis design, implementation etc. |
| - Cliente requeste to improve product. |
| effectivenen. |
| |

- d) Art of Tuting!

 Select a Small, manageable set of test cares
 to maximize the change of defecting a fault
 while minimizing the change of wasting a

 test care
- e) Equivalence clans
- It is a black-box textry technique wed m software texting. It is better than many of software techniques like boundary value analysis, wort care textry, robbest care textry, and more in terms of time consumptions.
- f) Fault Isolation:
- A previously succentral test come took who a intertace is added to what has been tested so tas.

Therefore, the tault lies in interface between and the rest of product.

a) True b) True 1) Tolowide : 5 100000 c) True Alember Efundahen 2001 d) True e) False Just (west - 9) colon. at topolog Plante Equipalina elan and 3) It system works for any one test can in the range (100, 1000), then it will probably work to any other test care in the range - Range (100, 1000) Constitutes an equivalence clan much problem of losseld -) Ronge (100, 1000) has defined three different Cavivalena Clamu: Equivatina class 1:- Fewer than 100 records Equivalence Clan 2 :- Between -100 and 1000 records Equivalna class 3:- More than 1000 records.

a) True b) True 12 300 C : - was lot (c) True and the simpoints would d) True e) False book P. San Tale # Fossiles Meadon Equivalence elavil rene 3) It system works for any one test case in the range (100, 1000), then it will probably work to any other test case in the range - Range (100, 1000) Constitutes as equivalence clan -> Ronge (100, 1000) has defined three different equivalena Clamu: Equivatina class 1:- Fewer than bo recods Equivalence Clan 2 : Between -100 and 1000 records Equivalna class 3:- More than 1000 records.

Test cores aux 1) Tutcare 1: 5 records Member Equivalence dass 1 and adjacent to 2) Test carez: 9 records. Member Equivalence clan I and adjacent to boundary clams to the same of the 3) Test case 3 - to records Boundary value sunt to 4) Tut case 4 1 1 records Adjacent to bounday claim 5) Tut cares: - 998 records Menober Equivalence clan 21 A) Tent can 6: 999 records
Adjacent to boundary Clay 7) Tut case J: 1000 records Bounday clan 8) Test cons: 100/ records Member Equivalre a clan 3, adiaant to bounday dan

| 4) Poly morphism and dynamic birding have |
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| regative effect on maintenance because |
| (1) The product fails on innovation mutiles and |
| (1) Which version of Open Contain the I II |
| A Static tool conn't help |
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5) Advantages of the Integration methods are (i) Fault Isolation (11) Stubs an not wanted (111) Major deurgn flaces show up early (1) logic autifacti
(11) operational autifacti (IV) Operational artifact are throughly tested (V) poperation artifacts are tested with drivas, not by fault shielding, Le fensively programming autitacti (VI) They may be recived with confidence (VII) These is fault isolation all times. Disadvontagu= - Mojor durgn faulte au detected late - Remable artifacts are not properly tested - howa level artifacte are not taked trequently.

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| 8) Test Cases are | (half the company of |
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