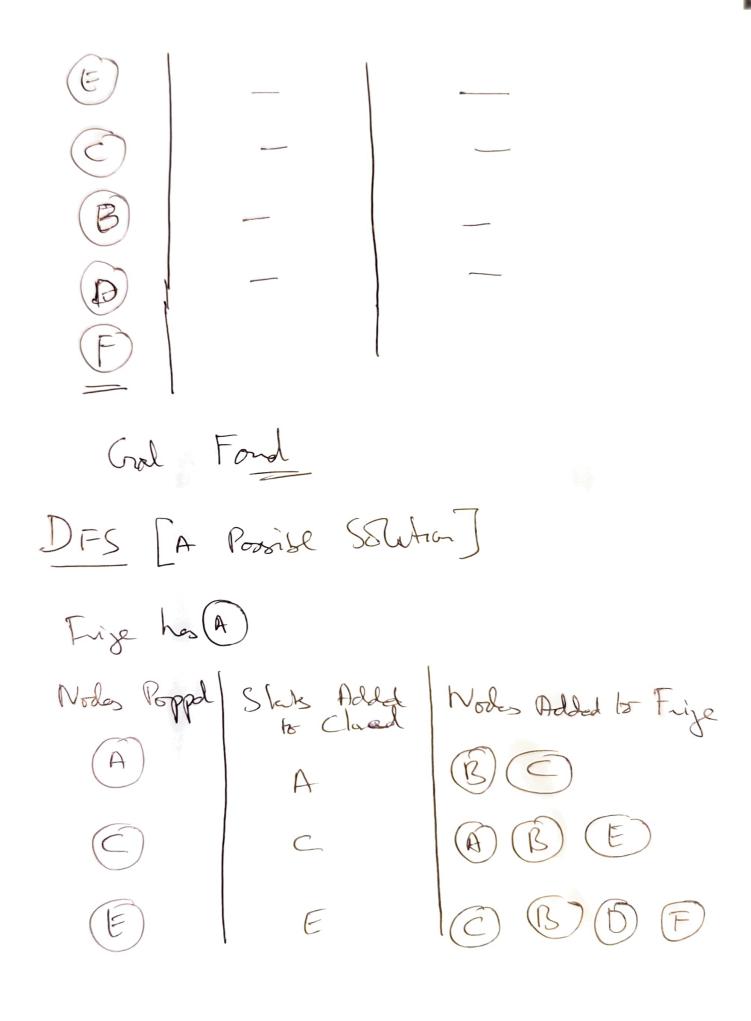
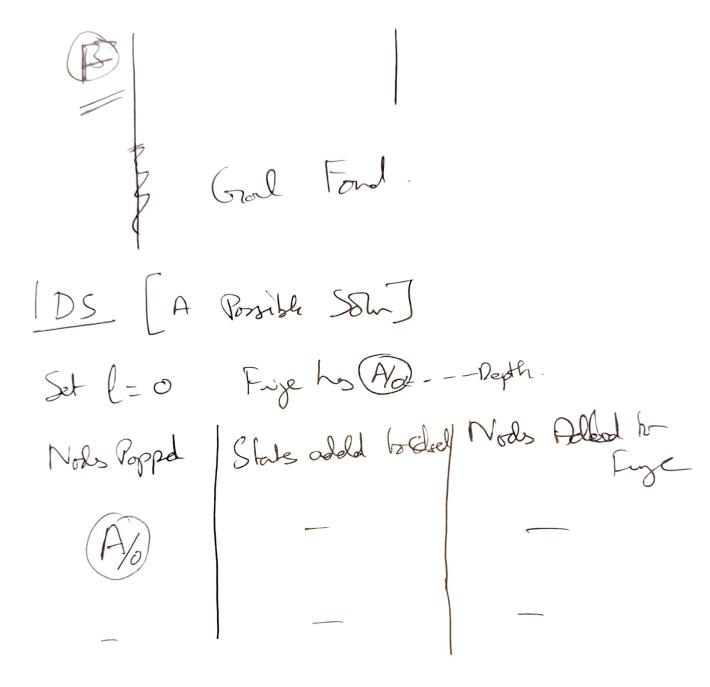
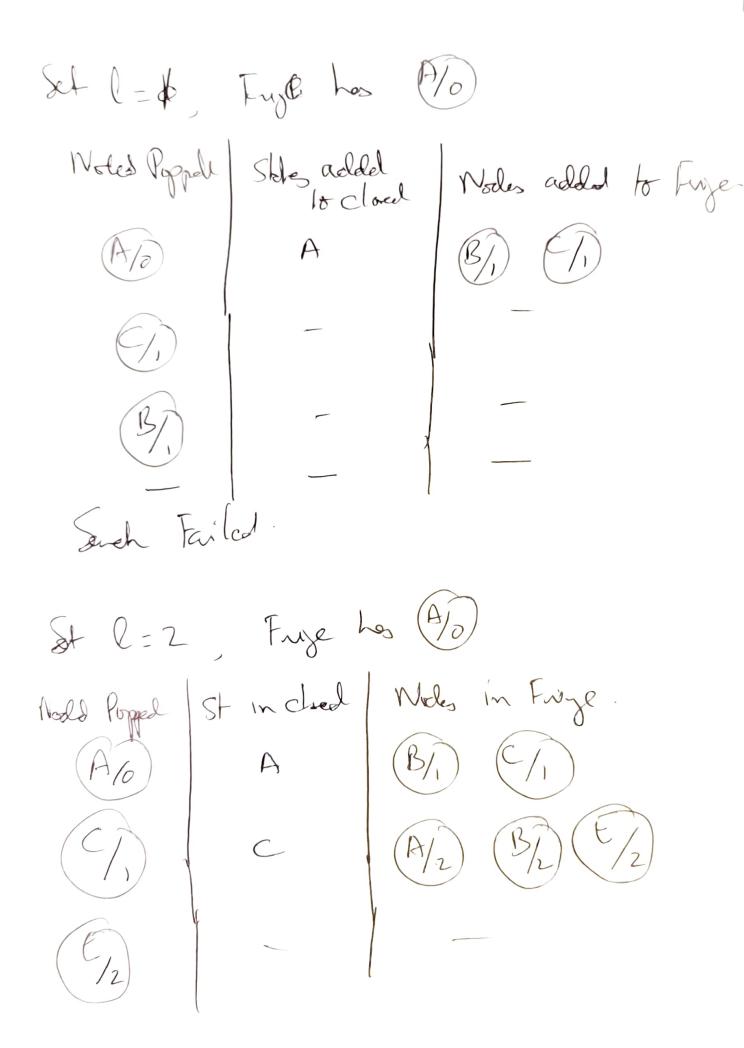
## SOLN. QI SOMPLES

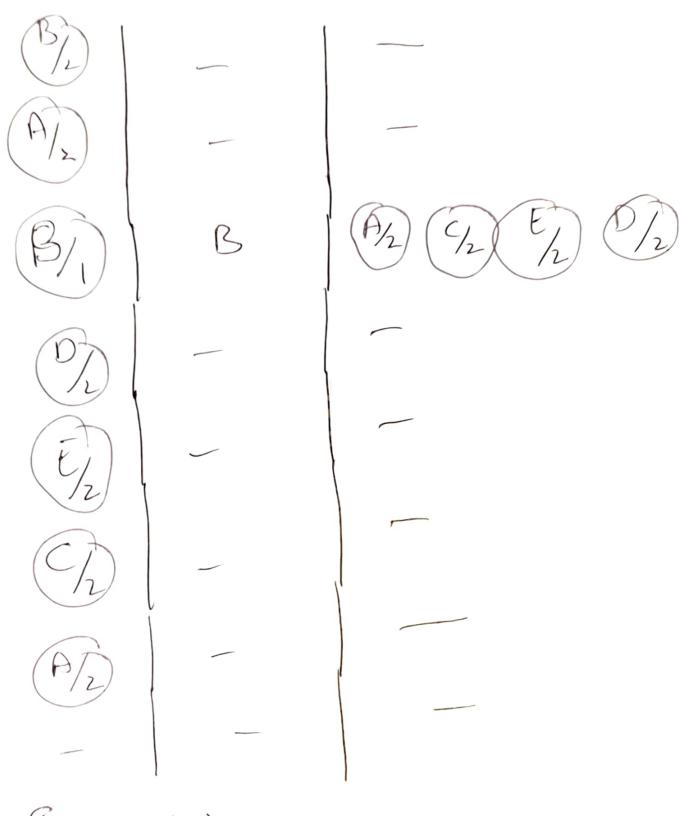
BFS [A possible Solu] Frize hos (A) Notes Popped States Added to Nools Added to Cloud Frage. ACED A B E



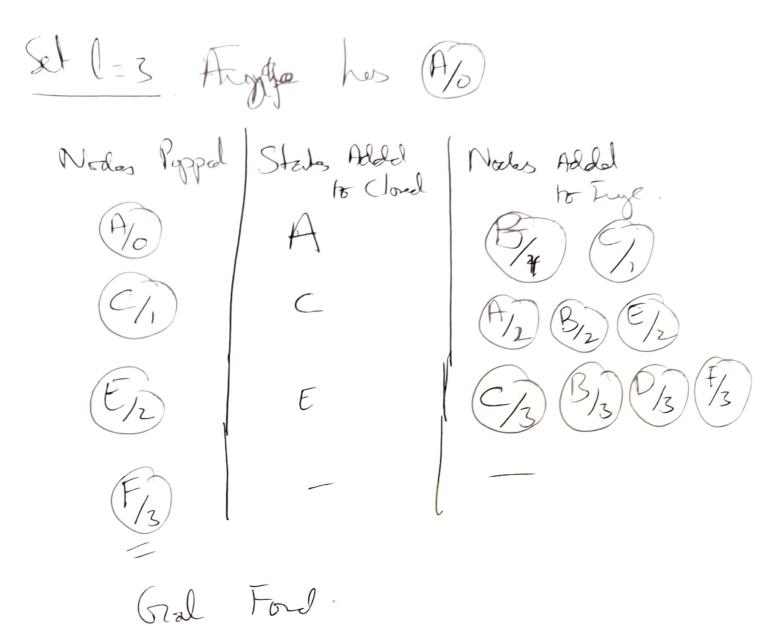


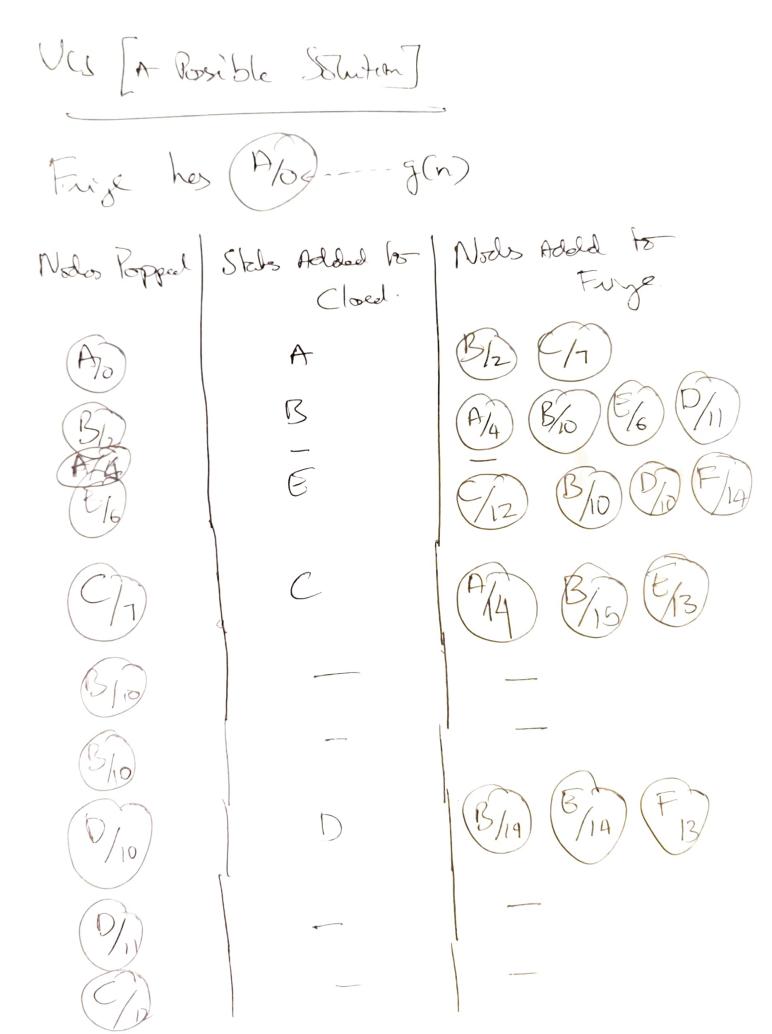
Seach Failed

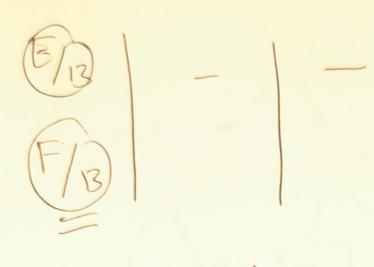




Seich Failed



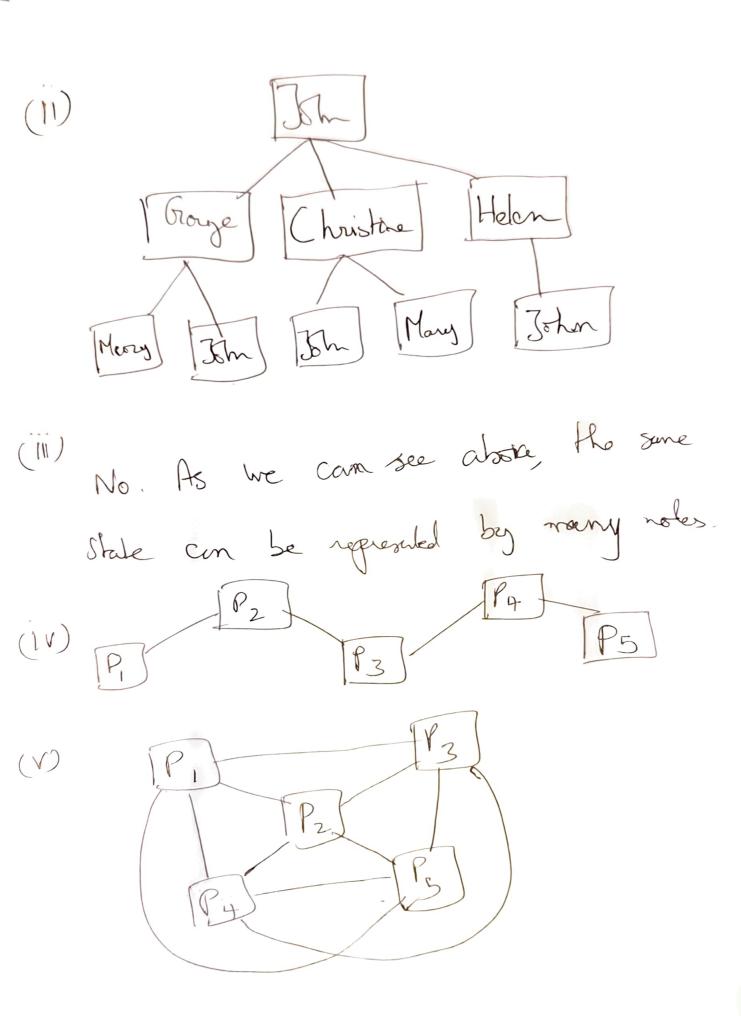




Grod Ford.

Took 2

(i) Carect degree of separtur requires
path with fewest number of hopes
(Stallonet Solution) Shee cost
of any actuan is I, BFS, UCS & IDS
will give optimal solution.



(V)

For this we need to modify Tree Seach with BFS to Greph seach with BFS where the cheek against god is done when a hole is general north than when it is popped from the Eurye.

[3]

HI NST Admissible h(B) 47 h(c) 5

Hz Not Admissible.

h(A) < 27 h(8) < 17

 $h(c) \leq 5$  h(D) = 0

 $k(E) \leq 25$   $k(F) \leq 9$ 

H3 & Ha/ Admissible As Is. 75 Fa Fix 4. Consider 2,1 as 5t. 4.3 os Coral. Greedy will explore Jewer notes then A\* Ex 2,192,293,293,3394,3 But A: 2,1; 2,3; 3,2; 3,3; 3,4; 4,3; 4,4 The Sturios, Charly & At will explore Creedy perfors better than or same as A

For Fix 5. Depely on Service Greely performs bother the Ax [Ex: 3,6 to 5,8] Lorge the A Ex: 31 15 3,2 one Some as A [Ex 4,6 to 4,8]