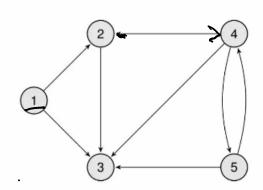
## Review of SOO-M

```
begin
Initialize();
while LIST \neq \emptyset do
    select node i from LIST;
    if node i is incident on an admissible arc (i, j) then
        mark node i;
        pred(j) \leftarrow i;
        next \leftarrow next + 1;
        order(j) \leftarrow next;
        add node j to LIST;

delete node i from LIST
```

```
function Initialize() begin
unmark all nodes in N;
mark node s;
pred(s) \leftarrow 0; next \leftarrow 1;
LIST = \{s\}
```

order[s] = next



5=1 marked=[1,0,0,0,0] next=1 Prd=[0,0,0,0,0] Last={1} Trit order = [1,0,0,0,0] 5 tep 1:-

admissible and is (1,2) =) j=? morted = [1,1,0,0,0] prd= [0,1,0,0,0] oroler = [1,i,0,0,0]

next= 2

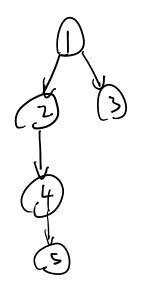
LIS9= \ 1,2\

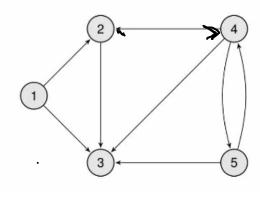
Step 2: - i= 1 (breadth first) adminule a~c (1,3) 5=3 morted = [1,1,1,0,0] red= [0,1,1,0,0] next= > oroler = [1,2,3,0,0] LIST= {1,2,3}

Stepp 3: - i=1 No admissible

LIST= { 7, 3}

pred=[0,1,1,2,4]





olinth pred = [0, 1., 5, 2, 4)

