SNA Assignment

V-60001PVasan 205001085 CSE-B

consider page son't distributed evenly pox

Itesatron 1:

$$PP(5) = PP(4) + PP(6) = \frac{1}{18} + \frac{1}{12} = \frac{5}{36}$$

Stevalion 2

$$PP(3) = \frac{PP(1)}{2} + \frac{PP(2)}{2} + \frac{PP(1)}{3} = \frac{1}{24} + \frac{1}{8} + \frac{1}{3}$$

$$= \frac{7}{36} = 0.1945$$

$$PP(4) = \frac{PP(6)}{2} = \frac{1}{36} = 0.0278$$

$$PP(5) = \frac{PP(4)}{3} + \frac{PP(6)}{2} = \frac{1}{36} + \frac{1}{36} = \frac{1}{18} = 0.056$$

$$PP(6) = \frac{PP(4)}{3} = \frac{1}{36} = 0.0278$$

Devation 3

$$PP(4) = \frac{1}{2} = \frac{1}{72} = 6.01389$$

$$PP(15) = \frac{PP(14)}{3} + \frac{PP(6)}{2} = \frac{1}{100} + \frac{1}{72} = \frac{5}{216}$$

$$= 6.0231/3$$

the algorithm converges to a stable took after when the value at each node do not change with further therations.

Importance of each nodes as Consider Importance() = Imp(2) = Imp(3) = Imp(4) = Jamp(5) = Jamp(6)=1 In Pteration 1, Impli) = Impl2)/2 + Impl3)/1 = 005+1 = 105/ Imp (2) = Imp (1) /2+ Imp (4) = Imp (5) Jorg(6) -1 Imp(2) = Imp(1) - Imp(4) = 0.5+ 0.31 = 0.84, Imp(3) = Imp(1)/2 = 0.5 Imp (4) = Imp(2)/2 + Imp(5)/1 + Imp(8) = 0.5 + 1 + 1 = 2.5 = Imp(A)/3 = 6.34 Imp (5) Imp(6) = Imp(4)/3 = 0.34

=> Node 4 how heglest emportance of