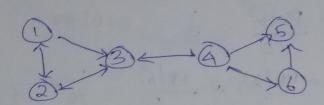
SNA Assignment

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Itesalton 1:

$$PR(1) = PR(2) = \frac{1}{12} = 6 - 6 - 6 = 6$$

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

Stevalion 2

$$PP(z) = \frac{19}{9} = \frac{19}{72} = \frac{19}{72}$$

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

$$= \frac{7}{32} = 0.1911/5$$

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

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

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

Devalion 3

$$PP(3) = PP(2) + PP(2) + PP(10) = \frac{1}{16} + \frac{19}{144}$$

$$+ \frac{1}{108} = \frac{1}{54} = 0.2037/1$$

$$PP(4) = \frac{PP(6)}{2} = \frac{1}{72} = 6.01389$$

$$PP(15) = \frac{PP(14)}{3} + \frac{PP(6)}{2} = \frac{1}{100} + \frac{1}{72} = \frac{5}{216}$$
$$= 6.0231/$$

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

Importance of each nodes as Importance() = Imp(2) = Imp(3) = Imp(4) = Jorp(5) = Jorp (6)=1 In Plesation 1 Impli) = Jimpl2)/2 + Impl3)/1 = 005+1 = 105/ Jung (2) = Junp (1) /2 + Junp (4) = Junp (5) Jorg(6) -1 = Imp(1) Jmp(4) = 0.5+ 0.34 = 0.84, Imp(3) = Imp(1)/2 = 0.5 Junp (4) = Imp(2)/2 + Junp(5)/ + Junp(8) = 0.5 + 1 + 1 = 2.5 = Imp(A)/3 = 6.34 Imp (5) Imp(6) = Imp(4)/3 = 0.34

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