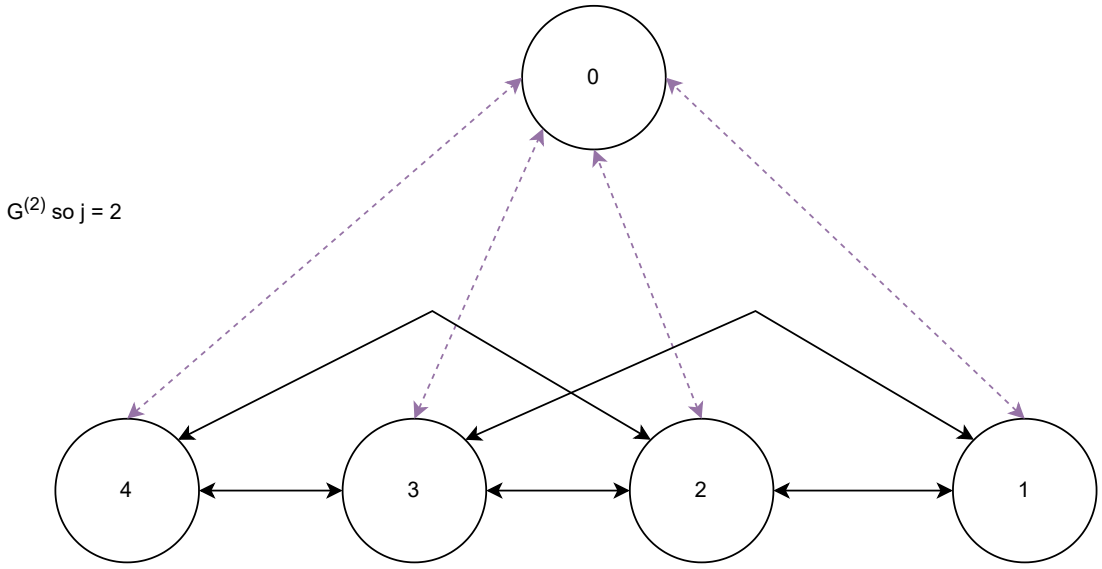


$G^{(2)}$ so j = 2

Set In neigbor { nodes } Cardinalily of in neigbor

$N_1(G(2)) = 3 - \{0,2,3\}$ $d_1(G(2)) = 3$

$N_2(G(2)) = 4 - \{0,1,3,4\}$ $d_2(G(2)) = 4$

$N_3(G(2)) = 4 - \{0,1,2,4\}$ $d_3(G(2)) = 4$

$N_4(G(2)) = 3 - \{0,3,4\}$ $d_4(G(2)) = 3$

Weigth

i = 1 l = 0, 1 , 2 , 3

$w_{1\_0}(G(2)) = 1/(d_{1\_G(2)}+1) = 1/(3+1) = 0.25$

$w_{1\_1}(G(2)) = 1/(3+1) = 0.25$

$w_{1\_2}(G(2)) = 1/(3+1) = 0.25$

$w_{1\_3}(G(2)) = 1/(3+1) = 0.25$

$w_{1\_4}(G(2)) = 0$ since 4 not in l

i = 2 l = 0, 1 , 2 , 3, 4

$w_{2\_0}(G(2)) = 1/(d_{2\_G(2)}+1) = 1/(4+1) = 0.2$

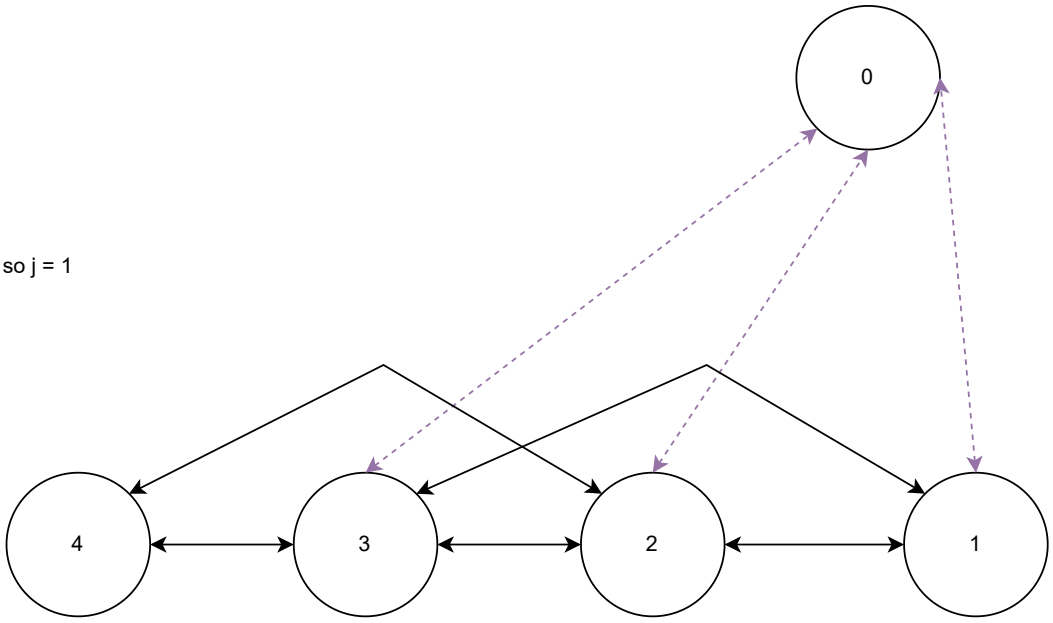
$w_{2\_1}(G(2)) = 0.2$

$w_{2\_2}(G(2)) = 0.2$

$w_{2\_3}(G(2)) = 0.2$

$w_{2\_4}(G(2)) = 0.2$

$G^{(1)}$ so j = 1



Set In neigbor { nodes }	Cardinalily of in neigbor
N_1 (G(1)) = 3 - {0,2,3}	d_1 (G(1)) = 3
N_2 (G(1)) = 4 - {0,1,3,4}	d_2 (G(1)) = 4
N_3 (G(1)) = 4 - {0,1,2,4}	d_3 (G(1)) = 4
N_4 (G(1)) = 3 - {0,3,4}	d_4 (G(1)) = 0

i = 1

I = 0, 1 , 2 , 3

w_1_0 (G(2)) = 1/(d_1_G(1)+1) = 1/(3+1)= 0.25

w_1_1 (G(2)) = 1/(3+1) = 0.25

w_1_2 (G(2)) = 1/(3+1) = 0.25

w_1_3 (G(2)) = 1/(3+1) = 0.25

w_1_4 (G(2)) = 0 since 4 not in I