Π0 = 0.5Π0 + 0.3Π1 +0.2 Π2

Π1 = 0.4Π0 + 0.4Π1 + 0.3Π2

Π2 = 0.1Π0 + 0.3Π1 + 0.5Π2

Where 1 = Π0 + Π1 + Π2

The solution should yield:

Π0 = 21/62

Π1 = 23/62

Π2 = 18/62