

Kind help

Kind help to rewrite code so that we can give the cu and cv from outside for A(1) to A(15)

Case 1)

Now

$$cu = \sum_{w \in N(u)} (d(w) - 1) \quad \text{here } N(u) \text{ is the set of vertices in the Neighbourhood of } u$$

$$cv = \sum_{w \in N(v)} (d(w) - 1) \quad \text{here } N(v) \text{ is the set of vertices in the Neighbourhood of } v$$

Case 2) This is for neighborhood type that is N type

Now

$$cNu = \left(\sum_{w \in N(u)} d(w) \right) + d(u) \quad \text{where } N(u) \text{ is the set of vertices in the Neighbourhood of } u$$

$$cNv = \left(\sum_{w \in N(v)} d(w) \right) + d(v) \quad \text{where } N(v) \text{ is the set of vertices in the Neighbourhood of } v$$

Case 3)

$$cu = \text{MaximumDegree} - d(u) + 2$$

$$cv = \text{MaximumDegree} - d(v) + 2$$

Case 2)

Now

$$cu = \left(\sum_{w \in N(u)} (d(w) - 1) \right) + d(u) - 1 \quad \text{where } N(u) \text{ is the set of vertices in the Neighbourhood of } u$$

$$cv = \left(\sum_{w \in N(v)} (d(w) - 1) \right) + d(v) - 1 \quad \text{where } N(v) \text{ is the set of vertices in the Neighbourhood of } v$$

