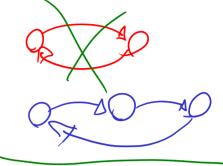
Prova de aquecimento 3 1) Entruda: G= (V, N, w), E EV, ECV function Q1; tomapa pl Euga sentrala sentrala Entrada: grafo G= (V, A, w), teV, ECV 1. V' < V u { s} 2. A < A 3, foreach e E E do 4. ( A < A U & (s, e) } 5. Crion uma função w': A' -> 2+ 6. Foreach (4, N) & A' do 7. | if (u, n) & Athen 8. L definin w' ((4, 12)) -> (v ((4, 12)) 9. lelse 10. L'definir w'((u,v)) -> + 00 11. \G'= (V', A', w) // crown a grafo residual Cons 14. criar a função c: A. ->Zt 15. Foreach (u, v) ∈ A' do 16. 1 Af = Af v & (m, u) y 17. ( definin cx ((n,u)) -> 0 18. GJ < (V", JJ, CJ) 19. Ilg. Edmonde-Karp (G, D, t, Grs) // descolarta do fluxo parat

20. 
$$A_{\xi} \leftarrow \{(u, v) \in A_{\mathcal{F}} : v = t\}$$
21.  $q \leftarrow 0$ 
22. Foreach  $(u, v) \in A_{\xi}$  do
23.  $q \leftarrow q + \omega((u, v)) - c_{\mathcal{F}}((u, v))$ 
24. return  $q$ 

$$Cf\left(\left(u_{l}\mathbf{v}\right)\right)=\mathcal{L}\left(\left(u_{l}\mathbf{v}\right)\right)-f\left(\left(u_{l}\mathbf{v}\right)\right)$$

$$G + F = C - G = 3$$



function Q2; Entrada: os conjuntos DeR, C= \(\xi(d,n),...\) no quel deD, n \(\xi\),

1. X=D

2. Y= R

3, E= C

4. G= (V= X , E)

5.  $M \leftarrow Hopurel + Kurp (G1)$ 6. return (M, |M|)

