Here’s the pseudo code for a self-stabilizing algorithm for maximum matching in the given network:

01 P0 : do forever:

02 write ri := 0

03 end

04 Pi : i ≠ 0: do forever:

05 lri−1 := read ri−1=(l.ri ri-1.dis)

ri.dis= ri-1.dis + 1

06 if mod2(ri.dis)≠0 // Finding even/odd no of hops

07 write ri := 1+(lri−1)

08 else:

09 write ri := lri−1

ri=ri-1, ri.dis

10 end

11 end

(0,1,1,0,0,1,1,0,0,…)

