

B.2 Attack Scenarios

Figure B.6 to B.8 represents the scenarios for On-Off, Bad-Mouthing (BM) and Denial of Service (DoS) attacks as discussed in section 4.4 respectively.

On-off attack is random attack which is launched by malicious node. During this attack malicious node change its behaviour alternatively between good and malicious through sending some packets and also at the same time dropping the packets. Figure B.6 depicts the On-Off attack.

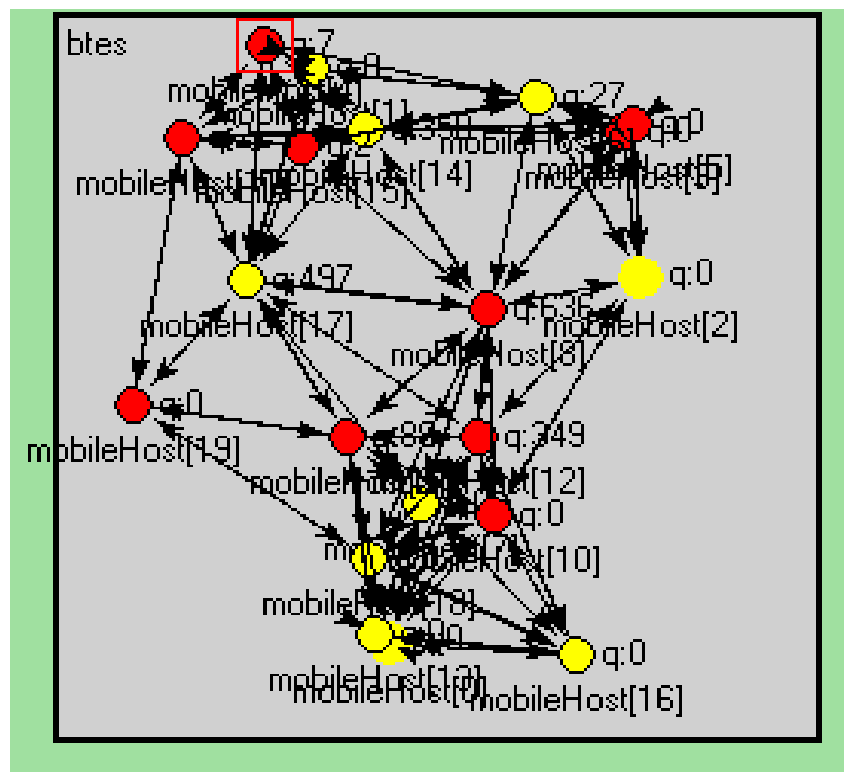


Figure B.6: On-Off attack

Similarly, in the Bad-mouth attack the malicious node propagates bad reputation about good nodes through false recommendation which affects their trust level. The following Figure B-7 depicts the Bad-mouth attack scenario.

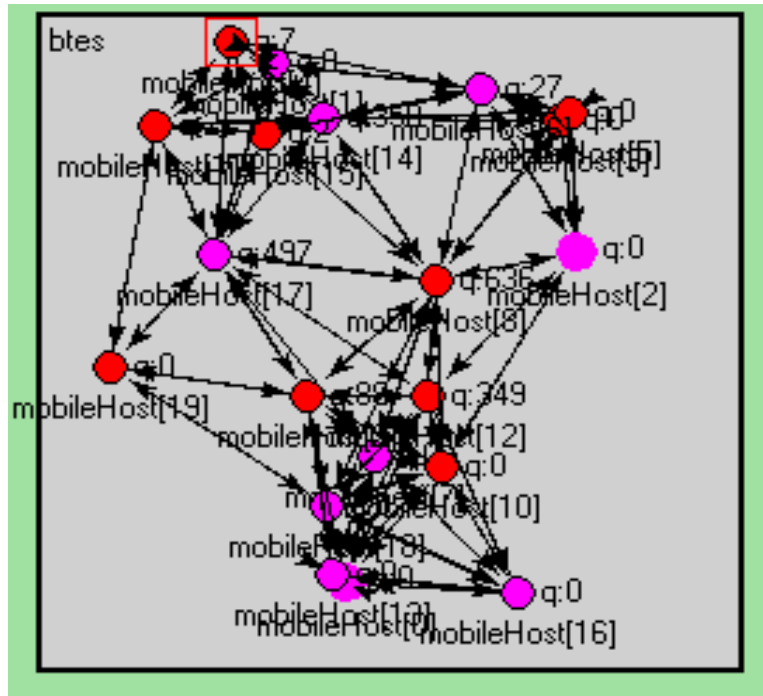


Figure B.7: Bad-Mouthing attack

During DoS attack, a legitimate node is prevented in participating in network activities. Moreover, the node drains its energy quickly. Figure B-8 depicts the DoS attack scenario.

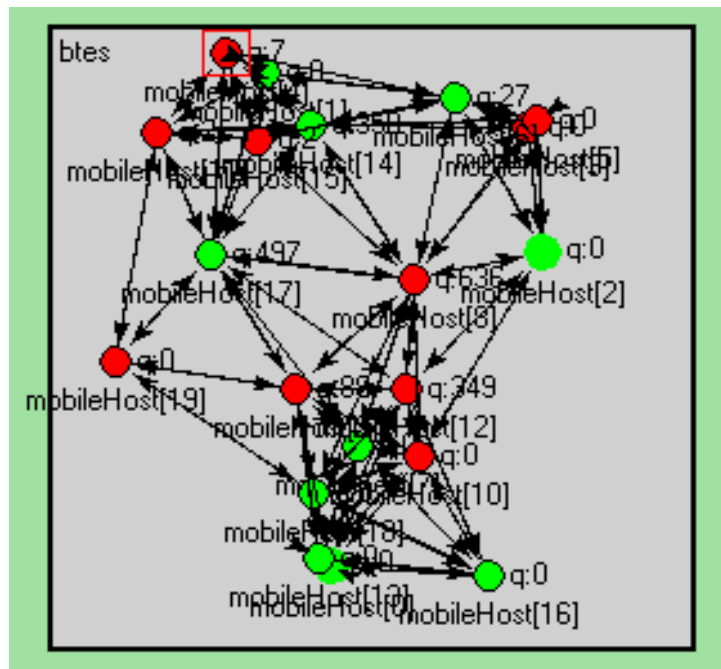


Figure B.8: Denial of Service (DoS) attack