







for this traffic, we call this traffic *load<sub>o</sub>;goes*. Another is the traffic which is not able to be transmitted at this time slot but it is expected that there will be a path for this traffic within the next *TTL* time slots, it is called *load<sub>o</sub>;stays*. The traffic which cannot be transmitted at this time slot and it is not expected to be delivered in the next *TTL* time slots will be dropped, we call it *load<sub>o</sub>;drops*. [8]

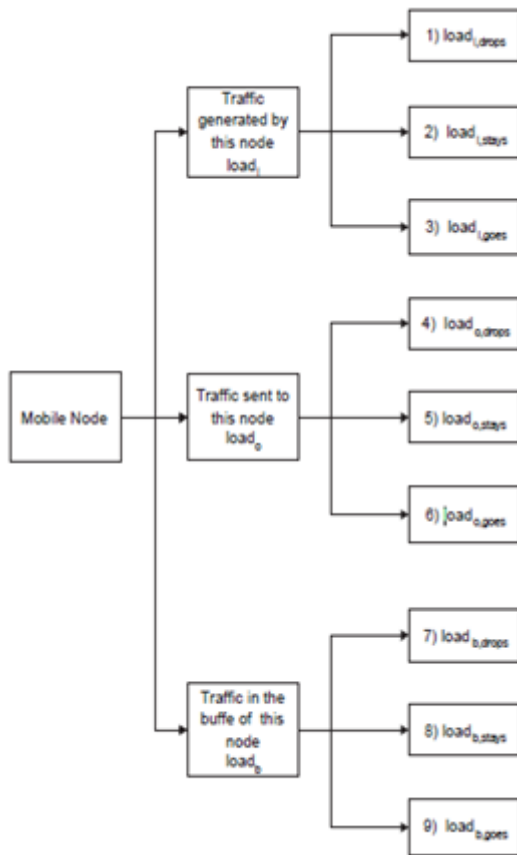


Fig. 6 Three categories of traffic in the mobile node with accumulator

## VII. CONCLUSION

The proposed TTL (Time to Live) mechanism is a way of improving packet delivery of ad hoc networks for different mobility models. They are

1. The packet delivery ratio of the ad hoc networks for all mobility models is improved by adopting the TTL mechanism.
2. To implement the TTL mechanism, each node has an accumulator, where a packet stays until it can be delivered. Even that the accumulator introduces some delay, the packet delivery ratio is improved.

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