Home Challenge #4
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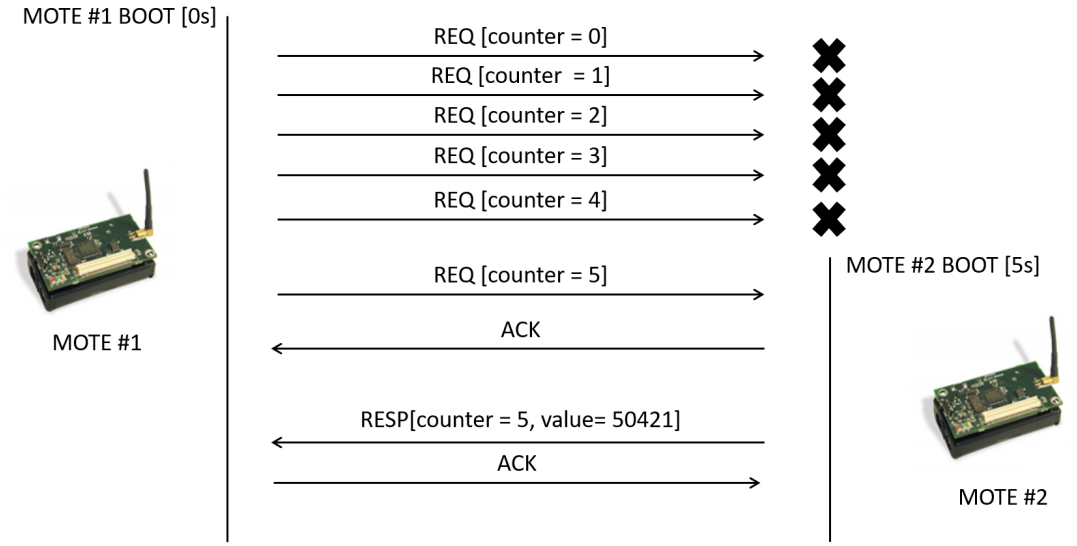
1 Problem description

The mote `#1` sends requests (**REQ**) to the mote `#2` every `1000 ms` (`1 Hz`) until the reception of an ACK message[1].
The mote `#2` replies to a mote `#1` request with a response (**RESP**) message containing the value from a "fake" sensor and the counter sent by mote `#1`.

2 Results

Since the mote `#2`, in the simulation, is booted with a five seconds delay compared to mote `#1`, the first five REQ messages will not receive any ACK from Mote `#2`.
The only response sent from mote `#2` is the consequence of the reception of the sixth REQ message (`counter=5`).
The following image represents the simulated behavior.



The previous image contains also an important result for the purpose of this homework, which is the value that mote `#2` replay with to the request of mote `#1`. The value we are talking about is `50421` and it is always the same in every simulation, due to the fact that we use a "fake" sensor, but in real world this value will change based on what the sensor captures.

[1] after the reception of an ACK the mote `#1` stops.