ДАДАТАК В

```
import logging
import threading
import time
from router import Router
class Recalculation(threading.Thread):
  TIMEOUT = 5
  def __init__(self, router, coefficient, threshold):
     super().__init__()
    self.router = router
     self.coefficient = coefficient
     self.threshold = threshold
  def run(self):
     while True:
       try:
          interfaces = self.router.get_interfaces()
          for interface in interfaces:
            name = interface.get name()
            old_txload = interface.get_txload()
            current txload = self.router.get interface txload(name)
            new_txload = round(
               self.coefficient * old txload +
               (1 - self.coefficient) * current_txload)
```

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ДАДАТАК В

```
if abs(new_txload - old_txload) > self.threshold:
       interface.set txload(current txload)
       self.router.restart_eigrp()
       logging.critical('Metric is recalculated for router: {router}'
         .format(router=self.router.get host()))
       logging.critical('Old Load: {old load}; New Load: {new load}'
         .format(old load=old txload, new load=current txload))
       break
    else:
       print('Load change on {interface name} is less than threshold'
         .format(interface_name=name))
       print('New Load: {new load}; Old Load: {old load}'
         .format(new_load=new_txload, old_load=old_txload))
  time.sleep(Recalculation.TIMEOUT)
except:
  logging.error('Router ({host}) is not found'.format(host=self.router.get_host()))
  break
```

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