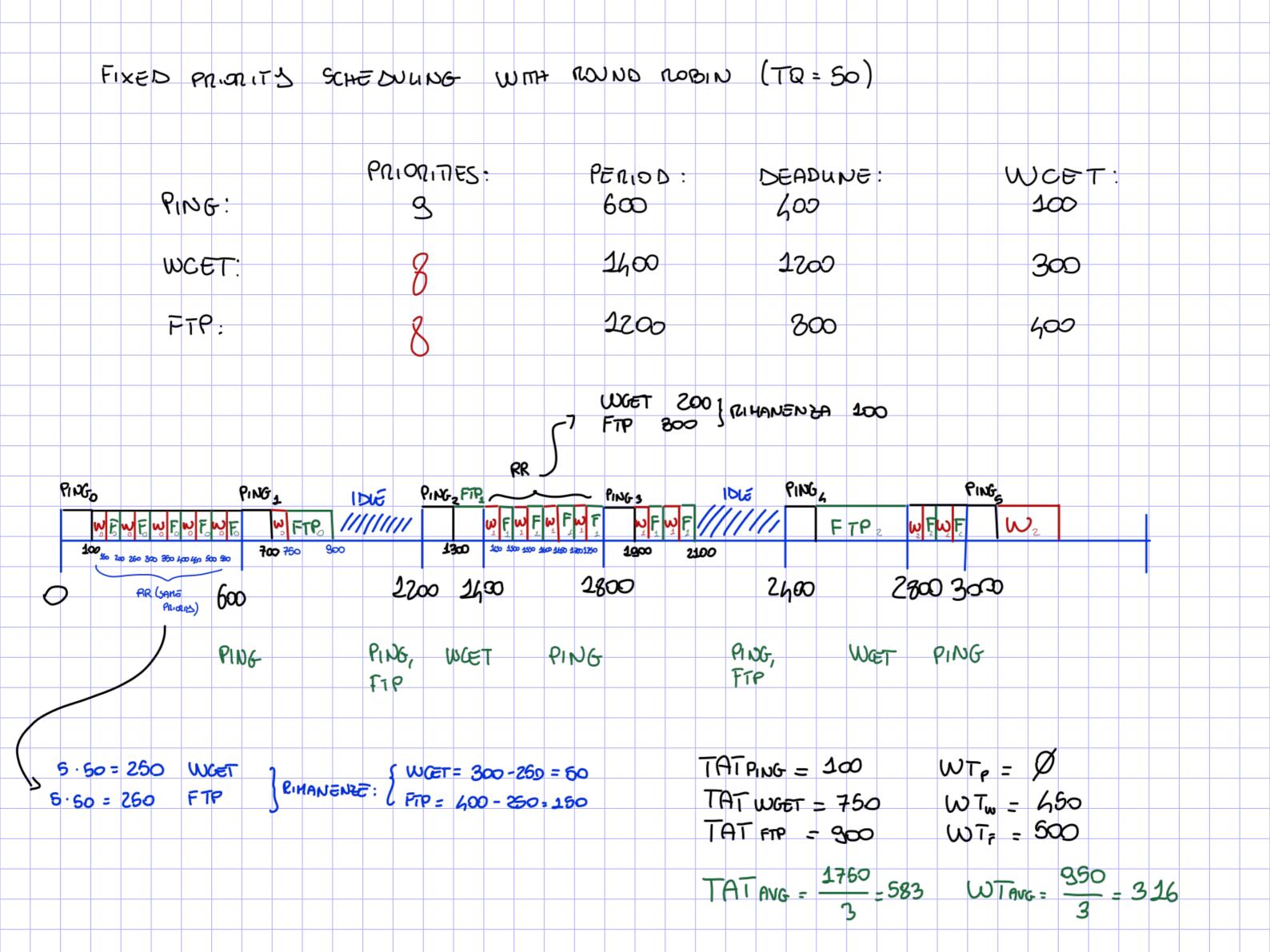
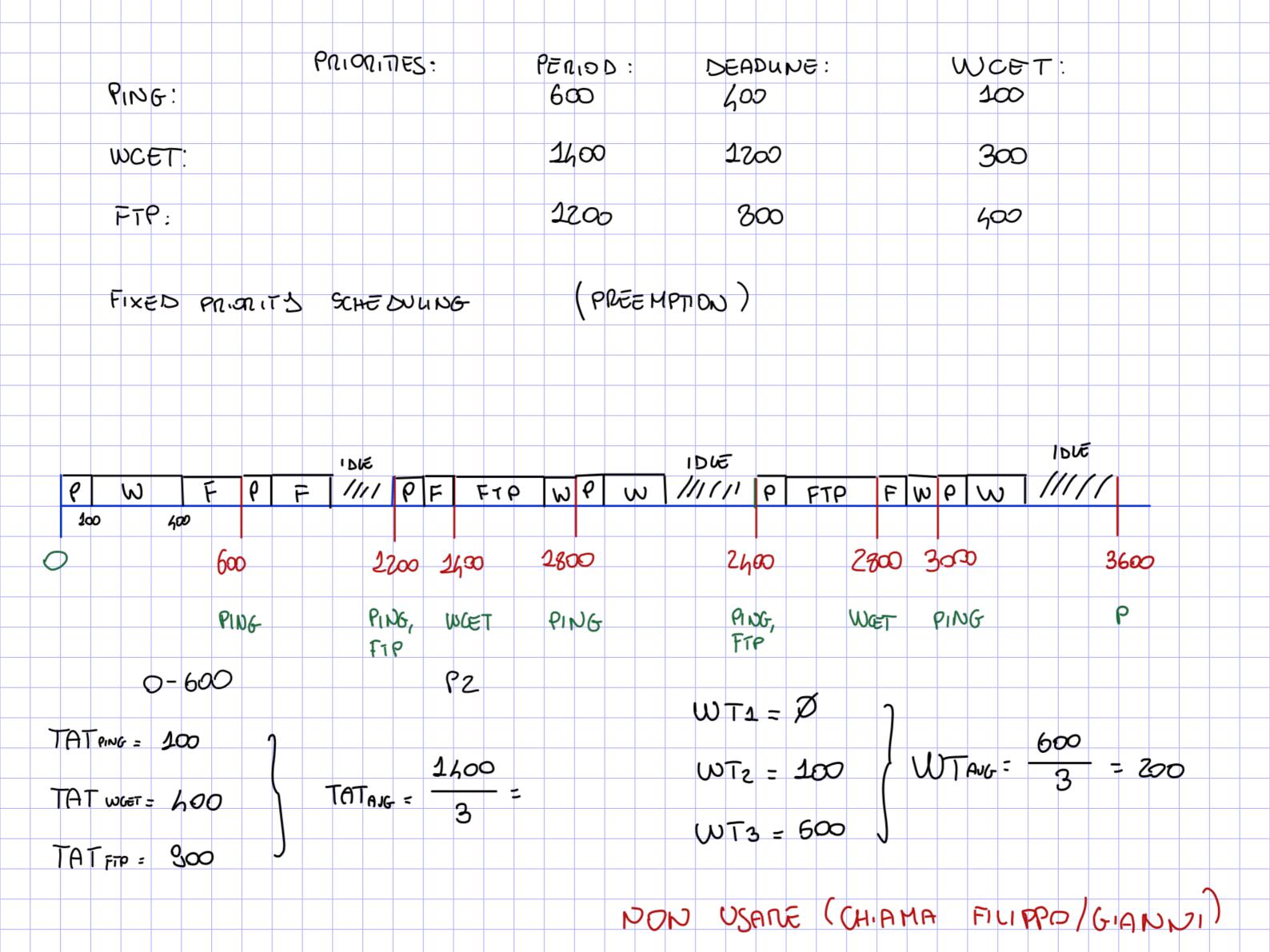
| PING: | PRIORITIES: | β₹1,00: 6∞ | DEADUNE: | WCET: |
|--|--------------------------------------|---|------------------------|--|
| WCET: | 8 | 1400 | 1200 | 300 |
| FTP: | 7 | 1200 | 300 | 400 |
| FixED palant | -3 SCHE DUUNG | (NO PREEM | PTION) | |
| | | | | |
| PING WUET FTP | PING ING | F-O UVET 6 | ING IDLE PING FTP | WET PING IDE |
| | 106 10E PING | FTP WET P | ING IDLE PING FTP | |
| 200 400 | 300 900 2300 | 1700 Za | 00.0 | 29m 32m 33m |
| - | | 2100 20 | 2500 | |
| 600 | 2200 24 | | | 2800 3000 |
| 9 600 PIN6 | 2200 2h | | 2400 | |
| | 2200 24 | 2800 ŒT PING | 2400 2 PING, FTP | 2800 3000 NET PING |
| PING | 2200 24 PING, WO | 2800 CET PING | 2400 2 PING, FTP | 2800 3000 |
| PIN6 0-600 ATPING = 100-0 = 16 | 2200 24 PING, WI FIP PING = | 2800 CET PING 2 2 200 - 600 = 300 | 2400 2 9106, FTP | 2800 3000 NET PING |
| 0-600 | 2200 24 PING, WI FIP PING = | 2800 CET PING | 2400 2 9106, FTP | 2800 3000 NET PING ENTA PREEMPTION |



PRITE MONOTONIC (TIME SUGNO =
$$\varnothing$$
)

PRING:

P



Exercise 6 - Early Deadline First

Consider the following set of hard-realtime periodic tasks:

| Task | Start time | Deadline | Period | WCE |
|------|------------|----------|--------|-----|
| P1 | 0 | 4 | 6 | 1 |
| P2 | 0 | 8 | 12 | 4 |
| Р3 | 0 | 12 | 14 | 3 |

Describe the behavior of a preemptive Earliest Deadline First (EDF) scheduler for the set of processes in the table, assuming that:

- 1. none of the processes should wait for the release of a resource owned by another process;
- 2. the operation of starting a process puts it in the ready queue, but not necessarily running.

This time period and deadline are different. The deadline is relative to the period.

$$WT_{p} = 0$$

$$WT_{w} = 600$$

$$WT_{ANG} = \frac{700}{3}$$

$$WT_{F} = 100$$

