# **MPEG-TS Task**

Task description:

Write a program in C++ for Linux Debian that analyzes test MPEG TS stream encapsulated in UDP received via an ethernet interface, e.g. at the address 239.0.0.1:1234.

Test stream to download and analyze: https://tsduck.io/streams/italy-sardinia-dttv/mux1rai.ts

Your task output:

1. Source code in C++ and binary that analyzes test MPEG TS (see the link above) which:
2. counts the total number of TS packets containing Video
3. counts the number of packets containing PCR
4. calculates bitrate from PCR
5. Run your code and report us the result

Hint: It is recommended (but not necessary) to use an open-source library, such as TS Duck.