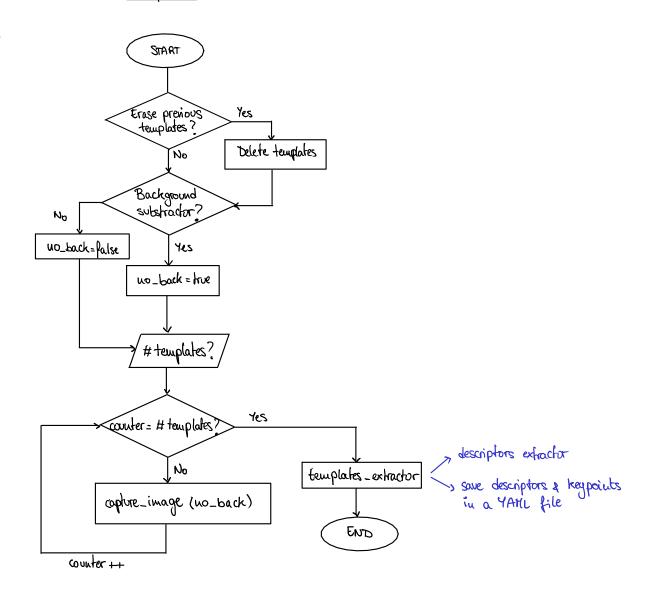
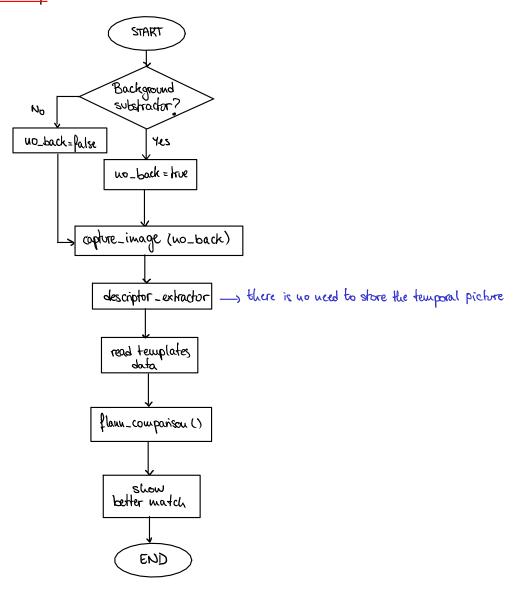
## 1. FLOWCHARTS

# PROGRAMS:

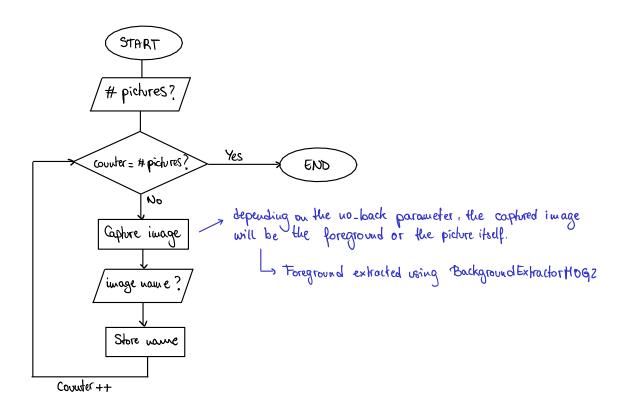
### 1.1 TEMPLATES



### 1.2 STATIC MATCHING



### 1.3 CAPTURE\_ MAGE:



#### 1.4 DESCRIPTORS EXTRACTOR:

→ Algorithm used → OAB: Descriptor based on BRIET but rotation invariant & resistant to noise.

Noint feature found by any keypoint detectors.

2D position

Scale (OC to the Ø of the neighborhood that needs to be taken into account)

The keyp neighborhood is analized to build the DESCRIPTOR (feature vector)

They can be matched

OTB()

Functions

### 1.5 FLANN-BASED COMPARISON:

- · Fast Approximate Nearest Neighbors
- · After computing them -> those with I error are selected
- -> Results stored in a vector (DMatch) -> Select the best results using parameter distance (distance between descriptors).

## 1.6 BACKGROUND SUBSTRACTOR:

\*It uses different background substractors: Statisframe Diff, Frame Diff, Weighted Moving Mean/Variance, Eigenbackground