

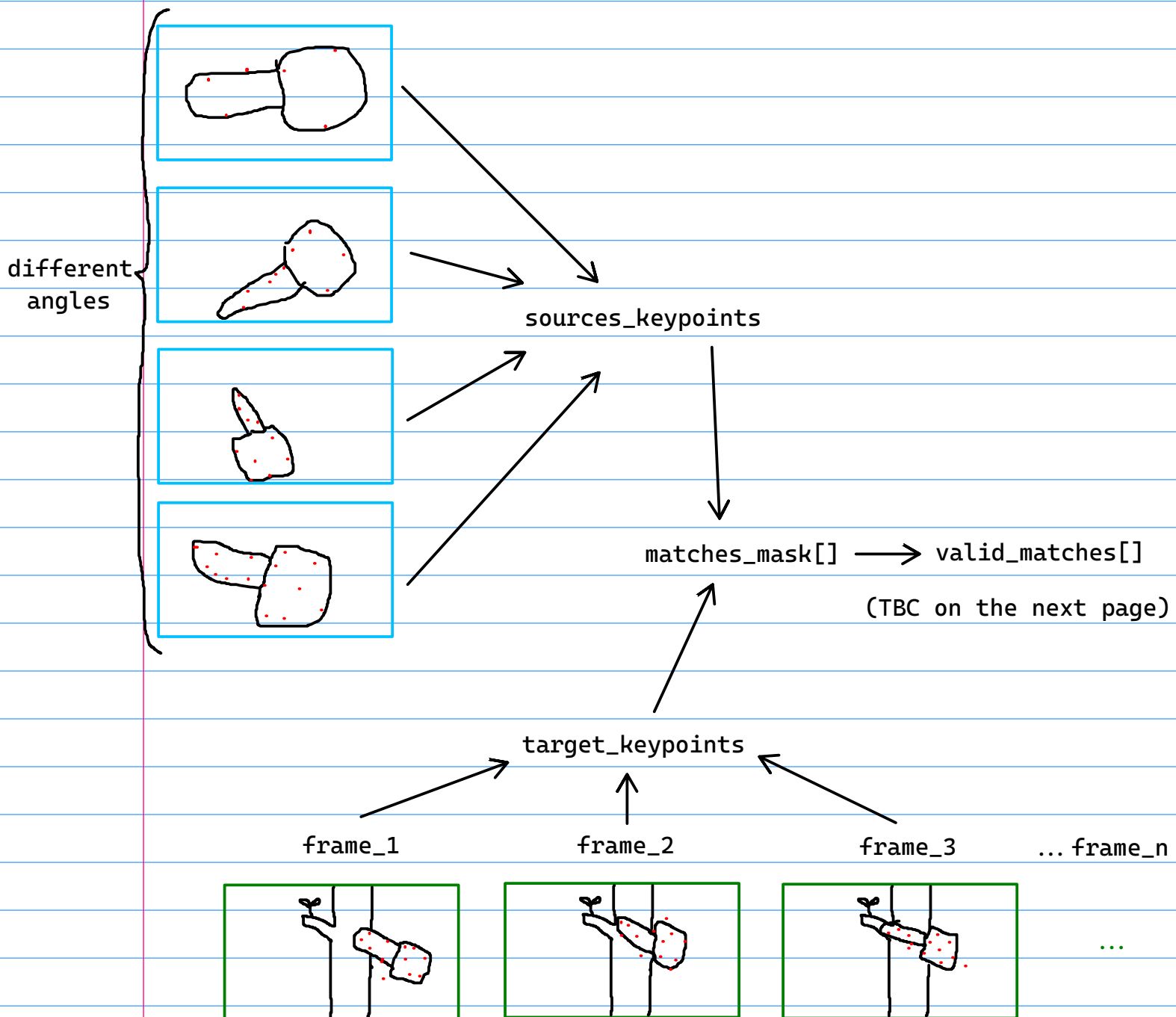
source_1 = saw1.jpg

source_2 = saw2.jpg

source_3 = saw3.jpg

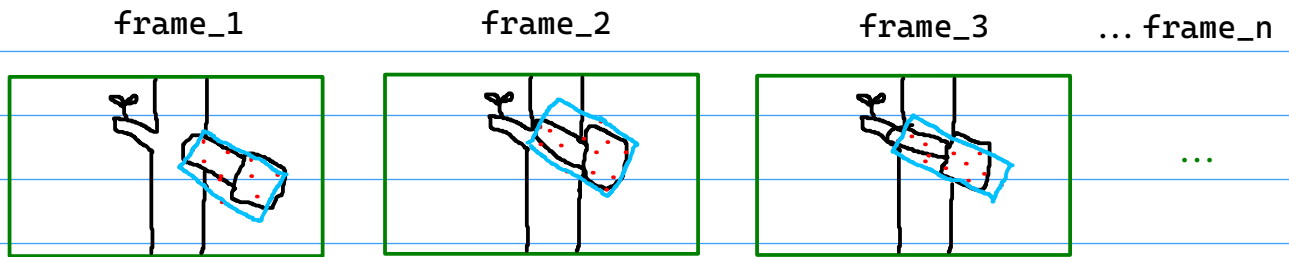
source_4 = saw4.jpg

target = sawmovie.mp4



AFFINITY PROPAGATION PART

`valid_matches[]` → mark matched keypoints & draw rectangle over the object



HOW TO CREATE KEYPOINTS & DESCRIPTORS ARRAY FROM MULTIPLE SOURCE IMAGES?

IDEA_1:

joining NumPy arrays



```
sources_keypoints = np.concatenate((source_kp_1, source_kp_2, ...))
```

```
sources_descriptors = np.concatenate((source_dp_1, source_dp_2, ...))
```

FOR TARGET VIDEO:

video is just a sequence of images (frames) therefore you may perform SIFT & AF algorithms on the frames running in a loop