**Set values** for

Max\_width

Avg\_width

Min\_width

Max\_length

Avg\_length

Min\_Length

count\_out\_box\_length = 0

count\_out\_box\_width = 0

Time\_threshold = 50

Found\_tool = 0

**For** width and length of each frame **do**:

**If** Found\_tool = 0

If once see the tool:

Found\_tool = 1

**else**:

**if** width value out of the range:

count\_out\_box\_width += 1

**else**:

count\_out\_box\_width = 0

**if** length value out of the range:

count\_out\_box\_width += 1

**else**:

count\_out\_box\_width = 0

**if** count\_out\_box\_width and count\_out\_box\_length > Time\_threshold:

# Situation A

count\_out\_box\_width = 0

count\_out\_box\_length = 0

get zoom in frame

**else if** count\_out\_box\_length > Time\_threshold:

# Situation B

count\_out\_box\_width = 0

count\_out\_box\_length = 0

get zoom in frame

**else if** count\_out\_box\_width > Tim count\_out\_box\_length > Time\_threshold:

# Situation B

count\_out\_box\_width = 0

count\_out\_box\_length = 0

get zoom in frame

**else if** count\_out\_box\_width > Time\_threshold:

# Situation C

count\_out\_box\_width = 0

count\_out\_box\_length = 0

get zoom in frame