

find 2 types of points

	frame[i-1]	frame [i]	type
1	0	O ⇒	head o
2	O	$\bigcirc$ $\Rightarrow$	tail O

$$\overrightarrow{V}_{\text{cluster}_i} = (\overline{h_i} - \overline{t_i})$$
  $\overline{h_i}$ ,  $\overline{t_i}$  are the mean points of  $h_i$ ,  $t_i$