



Characteristics of Segmentation Process

Let R represent the entire image region and Segmentation is partitioning R into n subgroups R_i

$$\bigcup_{i=1}^{n} Ri = R \qquad \qquad i=1,2,-n \quad \textcircled{B}$$

- $\sim \square$ Ri should be connected region: i=1,2,3,....,n
- \square $Ri \cap R_1 = \emptyset$ (for all i and j): $i \neq j$

Here $P(R_i)$ is a predicate that indicates some property over the region

Classification of Image Segmentation Algorithms

