

Definition of Image Segmentation

An image can be portioned into many regions $R_1, R_2, R_3 \dots R_n$

Example

$R = \{7\}$

R_1 ✓	R_{21}	R_{22}
	R_{23}	R_{24}
R_3	R_4	

5x5

10	10	20	20	20
10	10	20	20	20
10	10	20	20	20
30	30	20	20	20
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10	10	20	20	20
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R_1 (rows 1-3), R_2 (rows 4-5), R_3 (column 3)

10	10	20	20	20
10	10	20	20	20
10	10	20	20	20
30	30	20	20	20
30	30	20	20	20

Regions are color-coded: Yellow (10s), Blue (30s), and Green (20s).

R1	R3
R2	

