

Example

Assume 4-connectivity

| | | | | | |
|----|----|----|----|----|----|
| 10 | 15 | 20 | 30 | 35 | 0 |
| 15 | 20 | 30 | 35 | 0 | 10 |
| 20 | 30 | 30 | 0 | 10 | 10 |
| 30 | 35 | 0 | 10 | 10 | 10 |
| 35 | 0 | 5 | 0 | 10 | 10 |
| 0 | 10 | 10 | 10 | 0 | 10 |

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Region growing \longrightarrow

$\varepsilon=10$

$\Delta=10$

Split and merge \longrightarrow

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|----|----|----|----|
| 10 | 15 | 20 | 30 |
| 15 | 20 | 30 | 35 |
| 20 | 30 | 30 | 0 |
| 30 | 35 | 0 | 10 |

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