**1. Base cluster (Speed limit 50)**

{

"latitude": 48.306000,

"longitude": 14.287000,

"heading": 90,

"type": "SPEED\_LIMIT",

"signValue": "50"

}

**2. Nearby same type & value (should MERGE with #1)**

{

"latitude": 48.306060,

"longitude": 14.287030,

"heading": 95,

"type": "SPEED\_LIMIT",

"signValue": "50"

}

**3. Same type but different value (creates NEW cluster)**

{

"latitude": 48.306200,

"longitude": 14.287400,

"heading": 100,

"type": "SPEED\_LIMIT",

"signValue": "70"

}

**4. Different type (City Begin – new cluster)**

{

"latitude": 48.305000,

"longitude": 14.288000,

"heading": 180,

"type": "CITY\_BEGIN",

"signValue": null

}

**5. Far away (Highway End – definitely new cluster)**

{

"latitude": 48.320500,

"longitude": 14.285900,

"heading": 270,

"type": "HIGHWAY\_END",

"signValue": null

}