

# Recipe 3.6. Matching MS peak lists

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## 1. Problem

You want to compare peak lists.

## 2. Solution

You need an object to configure and handle the matching. `PeakListMatcherImpl`

```
PeakList p11 =
    new PeakListImpl.Builder(new double[] {1, 1.2, 2, 2.9, 3, 3.3, 4})
        .intensities(new double[] {98, 133, 254, 100, 296, 90,
350})
        .build();

PeakList p12 =
    new PeakListImpl.Builder(new double[] {1.1, 3, 3.1, 4})
        .intensities(new double[] {66, 148, 45, 175}).build();

PeakListMatcher matcher = PeakListMatcherImpl.withTol(0.1);
matcher.computeMatch(p11, p12);
```

## 3. Discussion

## 4. See Also