Collision-induced Fragmentation

- By collision with neutral gas molecules, fragmentation is induced by transfer of kinetic energy from the neutral gas molecules to the peptide.
- Commonly occurs at peptide bonds.
- Forms pairs of ions: b- and y-ions (most common), a- and z-ions, c- and x-ions.
\( M \cup \xi_{0, p^3} = \{0, 2, 3, 5, 9, 11, 12, 14\} \)

\[ x_0 = 0 \quad x_1 = 2 \quad x_2 = 3 \quad x_3 = 5 \quad y_3 = 9 \quad y_2 = 11 \quad y_1 = 12 \quad y_0 = 14 \]

**Präfix-Pfad**

0 → 2 → 3 → 5 → 9

**Suffix-Pfad**

0 → 2 → 3 → 5 → 9

spiegeln