



Math for the people, by the people.

injective resolution

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Let M be a module. An *injective resolution* of M is an exact sequence of the form

$$0 \rightarrow M \rightarrow Q_0 \rightarrow Q_1 \rightarrow \cdots \rightarrow Q_{n-1} \rightarrow Q_n \rightarrow \cdots$$

where each Q_n is an injective module.