Finitistic Dimension Conjecture:

$\mathrm{fd}(\Lambda) = \sup\{\mathrm{pd}\, X \mid \mathrm{pd}\, X < \infty\}$
is finite.

Generalized Nakayama Conjecture:

Let $0 \to \Lambda \to I_0 \to I_1 \to \ldots$
be a minimal injective resolution.
Then any indecomposable injective is isomorphic to a summand in one of the $I_j$.

Nakayama Conjecture:

Let $0 \to \Lambda \to I_0 \to I_1 \to \ldots$
be a minimal injective resolution. If all the $I_j$ are projective, then $\Lambda$ is selfinjective.

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GNC'

If $M$ is a generator with $\mathrm{Ext}^i(M, M) = 0$ for all $i > 0$, then $M$ is projective.

GNC"

For a simple module $S$ there is $i \geq 0$ such that $\mathrm{Ext}^i(S, \Lambda) \neq 0$.

Nakayama Conjecture(NC):

Let $0 \to \Lambda \to I_0 \to I_1 \to \ldots$
be a minimal injective resolution. If all the $I_j$ are projective, then $\Lambda$ is selfinjective.

NC'

If $M$ is a generator-cogenerator with $\mathrm{Ext}^i(M, M) = 0$ for all $i > 0$, then $M$ is projective.