LIST OF SYMBOLS

\[ \oplus \] : Discrete direct sum
\[ \Sigma \] : Complete direct sum
\[ B = \oplus B_i \] : Basic submodule of \( M \).
\[ B_i \] : Direct sum of uniserial modules of length \( i \).
\[ B^*_n \] : \( B_{n+1} \oplus B_{n+2} \oplus \cdots \)
\[ \overline{B} \] : \( \sum_{i=1}^{\infty} B_i \)
\[ d(M) \] : Decomposition length of \( M \).
\[ e(x) \] : Exponent of \( x \).
\[ g(M) \] : Cardinality of the generating set of \( M \).
\[ \text{fin } g \] : \( \inf g(H_k(M)) \).
\[ H(x) \] : Height of \( x \).
\[ H_M(x) \] : Height of \( x \) in \( M \).
\[ H_k(M) \] : Submodule of \( M \) generated by the uniform elements of height at least \( k \).
\[ H^k(M) \] : Submodule of \( M \) generated by the uniform elements of height at most \( k \).
\[ M^1 \] : Submodule of \( M \) generated by the uniform elements of infinite height.
\[ \text{Soc} (M) \] : \textit{Socle} (\( M \))
\[ \text{End} (M) \] : Ring of Endomorphism of \( M \).
\[ S^+ \] : Abelian group of the ring \( S \).
\[ \cong \] : Quasi-isomorphic.
\[ I_N \] : Right ideal in \( \text{End} (M) \).
\[ I'_N \] : Left ideal in \( \text{End} (M) \).