$$\operatorname*{proj\,lim}_{i \in I} A_i = \varprojlim_{i \in I} A_i$$

Inline: $\operatorname{proj\,lim}_{i \in I} A_i = \varprojlim_{i \in I} A_i$

$$\operatorname*{inj\,lim}_{i \in I} A_i = \varinjlim_{i \in I} A_i$$

Inline: $\operatorname{inj\,lim}_{i \in I} A_i = \varinjlim_{i \in I} A_i$

$$\limsup_{n \to \infty} a_n = \varlimsup_{n \to \infty} a_n$$

Inline: $\limsup_{n \to \infty} a_n = \varlimsup_{n \to \infty} a_n$

$$\liminf_{n \to \infty} a_n = \varliminf_{n \to \infty} a_n$$

Inline: $\liminf_{n \to \infty} a_n = \varliminf_{n \to \infty} a_n$