

$$\text{proj lim}_{i \in I} A_i = \varprojlim_{i \in I} A_i$$

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

$$\text{inj lim}_{i \in I} A_i = \varinjlim_{i \in I} A_i$$

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

$$\limsup_{n \rightarrow \infty} a_n = \overline{\lim}_{n \rightarrow \infty} a_n$$

Inline:  $\limsup_{n \rightarrow \infty} a_n = \overline{\lim}_{n \rightarrow \infty} a_n$

$$\liminf_{n \rightarrow \infty} a_n = \underline{\lim}_{n \rightarrow \infty} a_n$$

Inline:  $\liminf_{n \rightarrow \infty} a_n = \underline{\lim}_{n \rightarrow \infty} a_n$