Question: Calculate $\lim \sup x_{n}$ for $x_{n}=(-1)^{n}\left(\frac{n+5}{n}\right)$

Question: Find $\lim \inf \boldsymbol{A}_{\boldsymbol{n}}$ where:

$$
A_{n}=\left\{\begin{array}{l}
0 \leq x<1 \quad n \text { is odd } \\
1 \leq x \leq 2 \quad n \text { is even }
\end{array}\right.
$$

