$$
\begin{array}{ccc}
x & I_\omega \xrightarrow{\quad i \quad} R & r \\
\downarrow & (\pi)_\bullet \downarrow \quad\quad\quad \downarrow \varphi & \downarrow \\
(\pi_n(x))_{n\in\omega} & \coprod_{n\in\omega} \frac{I}{I_n} \xrightarrow{\coprod \iota_n} \coprod_{n\in\omega} E(\frac{I}{I_n}) & \varphi(1_R) \cdot r
\end{array}
$$