Some of the Symbols which might be used in any document

Symbols Detected correctly :

$$
\begin{array}{c|c|c}
\nu & \pi & \varepsilon \\
\chi & \upsilon & \Lambda \\
\Omega & \nearrow & \Psi
\end{array}
$$

Symbols detected incorrectly :

$$
\begin{array}{c|c|c}
\phi & \Upsilon & \Updownarrow \\
\rightleftharpoons & \epsilon & \cong \\
\mapsto & \longmapsto & \neq \\
\notin & \psi & \simeq
\end{array}
$$