Concept Question 7-3: Why is $u[0]=1$, instead of undefined?
So that Eq. (7.12b) in discrete time mimics Eq. (7.12a) in continuous time.

$$
\begin{equation*}
u[n]=\sum_{i=-\infty}^{n} \delta[i] \quad \text { (discrete time). } \tag{7.12b}
\end{equation*}
$$

