```
$p \leftarrow$ Master Password from user
$(k_A, e, I, s) \leftarrow$ Secret Key, email address, ID, salt from local storage
$p \leftarrow \textbf{trim}(p)$
$p \leftarrow \textbf{normalize}(p)$
$s \leftarrow \textbf{HKDF}(s, \texttt{version}, e, 32)$
$k_m \leftarrow \textbf{PBKDF2}(p, s, 100000)$
$k_A \leftarrow \textbf{HKDF}(k_A, \texttt{version}, I, \|k_m\|)$
$k_m \leftarrow k_m \oplus k_A$
$k_m \leftarrow \textbf{JWKify}(k_m)$
```