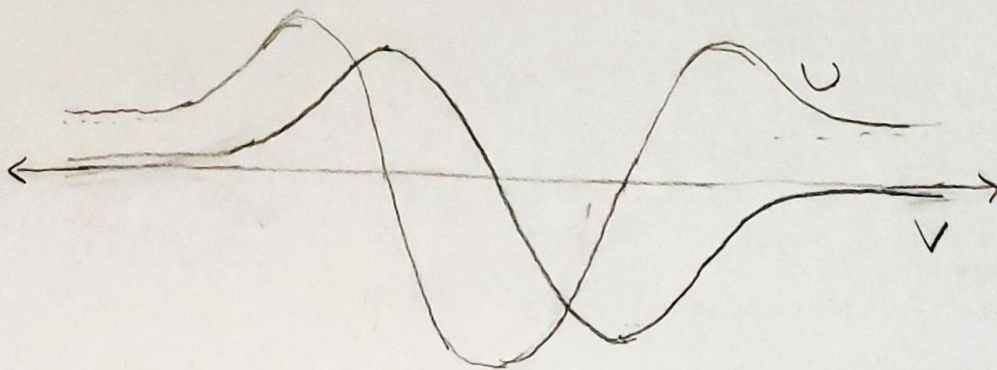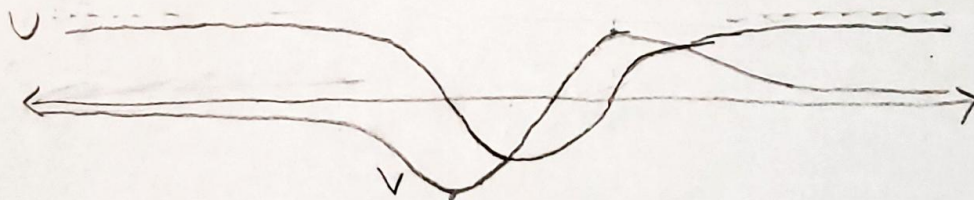$W_0 = 3$:

$W_0 = 2$: same soliton behavior as before (shorter peak) and end.

$W_0 = 1.1$: outer loop behaves the same as before

$W_0 = 0.95$: two solitons for V but only one for U