Translation rules

Here are a few exercises for understanding translation rules from Java to Why.

1. Here is a proposal for a simple rule for translating field incrementation:

   \[ e.f + + ] = [ e.f = e.f + 1 ]

   Show why it is not correct, and propose a correct translation rule.

2. Propose a translation rule for the for loop:

   \[ \text{for}(e_1 ; e_2 ; e_3) s \]

3. Propose translation rules for break and continue with labels, and modify translation rule of the while loop accordingly.