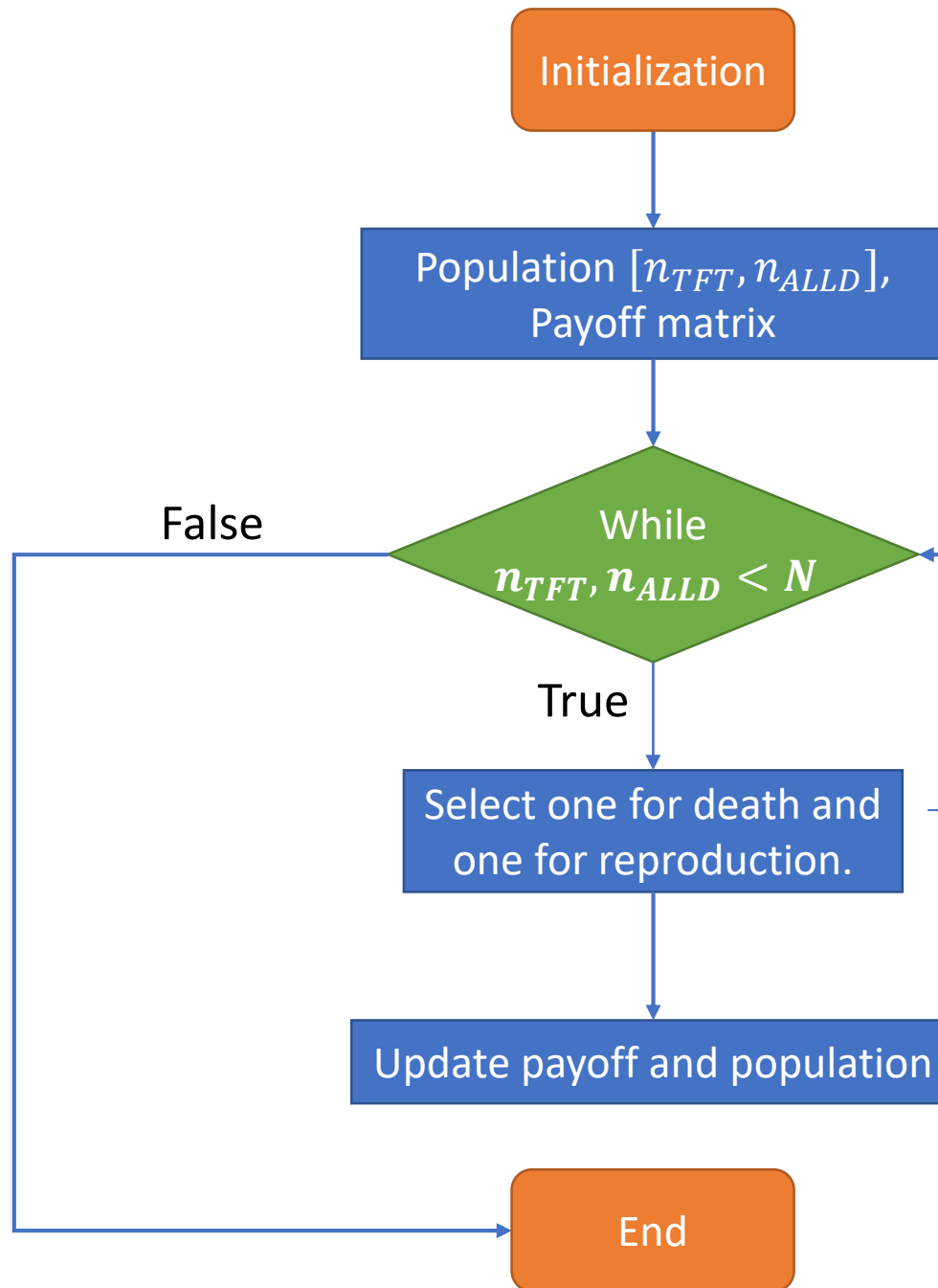


Use this algorithm to find the final state of the population for n_{trials} to calculate fixation probability.



$$p_{i,i+1} = \frac{if_i}{if_i + (N-i)g_i} \frac{N-i}{N}$$
$$p_{i,i-1} = \frac{(N-i)g_i}{if_i + (N-i)g_i} \frac{i}{N}$$