Erratum in Chen and Lux, *Conputational Economics*, 2018

Equation (3) of Chen and Lux, first line, defines

$$\pi^+ = (N_c - n)(a + bn) = aN_c + bnN - an - bn^2$$
$$= aN + (bN - a)n - bn^2 \tag{1}$$

There is a second equality in this line that states that

$$\pi^+ = (1 - x)\left[2a/N + b(1 + x)\right]N^2 \tag{2}$$

However, these two expressions for π^+ are not equal. To see this, we have that $x = 2n/N - 1$, so $1 + x = 2n/N$ and $1 - x = 2 - 2n/N$. Substituting these into 2, we get

$$\pi^+ = (2 - 2n/N)\left[2a/N + b(2n/N)\right]N^2$$
$$= (2 - 2n/N)\left[2a + 2bn\right]N$$
$$= 4aN + 4bnN - 4an - 4bn^2$$
$$= 4aN + (4bN - a)n - 4bn^2 \tag{3}$$

We can see that the expression in eq. 3 is four times the expression in 1. A similar problem exists

for the expression in Equation 3 for π^-.