Then
$$F(N_0) = \frac{1}{2}(L + R)$$
.

Remark $F(N)$ converges to $f(N_0)$ (?)

in the sense of $\|f - F\|_{L^2} = (\int_{-\pi}^{\pi} |f(N_0) - f(N_0)|^2)$
 $|L^2 - horm \pmod{MA544}$
 $\|L^2 -$