L= {w#w| weLk?

w= 0"#0" EL & | 0"#0" |=2N+1>N

Partimos de $w = 0^{N} + 0^{N} = 0^{i} 0^{j} 0^{N-i-j} + 0^{N} = xy = con x = 0^{i}$ $y = 0^{j}$ $z = 0^{N-i-j} + 0^{N}$

Notamos $|y| \ge |\Rightarrow j \ge |$ $(xy| = 0 \Rightarrow i + j \le N)$

K=2 $0^{i}0^{2j}0^{N-i-j}\#0^{N} \Rightarrow 0^{N+j}\#0^{N} \notin L$ $N+j\neq N$