

### B.6.1 Computing $q'_N$ , $T_2$ and $k_c$

The input relative fuel power ( $q'_{NFRAC}$ ) is changed to linear element power ( $q'_N$ ) by multiplying it with the initial linear element rating ( $q'_{N_{max}}$ ) as given by DD25 of the SRS.

$$q'_N = q'_{NFRAC} q'_{N_{max}}; \quad (B.8)$$

This  $q'_N$  is used to determine the relevant temperatures for the fuel pin. We evaluate linear element power as

17  $\langle \text{Calculation of } q'_N \text{ 17} \rangle \equiv$   
 $*q\_N = *q\_NFRAC * (*q\_Nmax);$

This code is used in chunks 15 and 57