$$\int D\chi\ \overline{\mathrm{dar}(f;-3\varepsilon)\Phi_k[\chi]}\cdot\mathrm{dar}(g;2\varepsilon)\Phi_j[\chi]$$

$$=\left[\prod_n\int d\chi(n\varepsilon)\right]\overline{\mathrm{dar}(f;-3\varepsilon)\Phi_k[\chi]}\cdot\mathrm{dar}(g;2\varepsilon)\Phi_j[\chi]$$

δ_{jk} ・・・・・・・・・ ${}_{5\varepsilon}\langle k, 6\varepsilon \mid j, 6\varepsilon\rangle_{5\varepsilon}$

${}_{4\varepsilon}\langle k, 5\varepsilon \mid j, 5\varepsilon\rangle_{4\varepsilon}$

${}_{3\varepsilon}\langle k, 4\varepsilon \mid j, 4\varepsilon\rangle_{3\varepsilon}$

${}_{2\varepsilon}\langle k, 3\varepsilon \mid j, 3\varepsilon\rangle_{2\varepsilon}$

$\langle g \mid j, 2\varepsilon\rangle$

${}_{1\varepsilon}\langle k, 2\varepsilon \mid j, 1\varepsilon\rangle_{1\varepsilon}$

${}_{0}\langle k, 1\varepsilon \mid j, 0\varepsilon\rangle_{0}$

${}_{-1\varepsilon}\langle k, 0\varepsilon \mid j, -1\varepsilon\rangle_{-1\varepsilon}$ } $\langle j,(n+1)\varepsilon \mid j,n\varepsilon\rangle$

${}_{-2\varepsilon}\langle k, -1\varepsilon \mid j, -2\varepsilon\rangle_{-2\varepsilon}$

${}_{-3\varepsilon}\langle k, -2\varepsilon \mid j, -3\varepsilon\rangle_{-3\varepsilon}$

$\langle k, -3\varepsilon \mid f\rangle$

${}_{-4\varepsilon}\langle k, -4\varepsilon \mid j, -4\varepsilon\rangle_{-4\varepsilon}$ ・・・・・・・・・ δ_{jk}

${}_{-5\varepsilon}\langle k, -5\varepsilon \mid j, -5\varepsilon\rangle_{-5\varepsilon}$ ・・・・・・・・・ δ_{jk}