$$\begin{aligned} q_n(\varphi) &\coloneqq &\operatorname{if} \varphi \leq \frac{\pi}{2} \land \varphi \geq \frac{3\pi}{2} & q_n(\varphi) \coloneqq q_0 \\ & \| \operatorname{return} \|_{\mathbf{R}} \\ & \in &\operatorname{lse} \\ & \| 0 & \\ \end{aligned} \qquad q_{\ell}(\varphi) &\coloneqq \frac{q_0}{\pi} \cdot (4 \sin(\varphi) + 1) \to \frac{q_0 \cdot (4 \cdot \sin(\varphi) + 1)}{\pi} \\ & a'_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{-\frac{\pi}{2}}^{\frac{\pi}{2}} q_n(\varphi) \cdot \cos(n \cdot \varphi) \, \mathrm{d}\varphi \to \frac{2 \cdot q_0 \cdot \sin\left(\frac{n \cdot \pi}{2}\right)}{n \cdot \pi} \\ & a''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \cos(n \cdot \varphi) \, \mathrm{d}\varphi \to \frac{q_0 \cdot \left(\left(n^2 - 1\right) \cdot \sin\left(2 \cdot n \cdot \pi\right) + \left(8 \cdot n \cdot \cos\left(n \cdot \pi\right)^2 - 8 \cdot n\right)\right)}{n \cdot \pi^2 \cdot (n - 1) \cdot (n + 1)} \\ & b'_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{-\frac{\pi}{2}}^{\frac{\pi}{2}} q_n(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ & b''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ & b''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ & b''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ & b''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ & b''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ & b''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ & b''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ & b''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ & b''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ & b''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ & b''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ & b''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ & b''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ & b''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ & b''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ & b''_n(n) &\coloneqq \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ &\vdash \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ &\vdash \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ &\vdash \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ &\vdash \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ &\vdash \frac{1}{\pi} \int\limits_{0}^{\frac{\pi}{2}} q_{\ell}(\varphi) \cdot \sin(n \cdot \varphi) \, \mathrm{d}\varphi \to 0 \\ &\vdash \frac{1}{\pi} \int\limits_{0$$

