$$M_{q} = -1$$

$$M_{q} - M_{q}$$

$$M_{q} -$$

$$E[M_{k} | \Im(l)] = M_{\lambda} ? for lek$$

$$E[M_{k} | \Im(l)] = E[M_{k} - M_{k} + M_{k} | \Im(l)]$$

$$= E[M_{k} - M_{k} | \Im(l)] + E[M_{k} | \Im(l)]$$

$$= E[M_{k} - M_{k} | \Im(l)] + M_{k} E[1 | \Im(l)]$$

$$= E[M_{k} - M_{k} | \Im(l)] + M_{k} E[1 | \Im(l)]$$

$$= E[M_{k} - M_{k} | \Im(l)] + M_{k} E[1 | \Im(l)]$$

$$= E[M_{k} - M_{k} | \Im(l)] + M_{k} E[1 | \Im(l)]$$

$$= [E[M_{k} - M_{k} | \Im(l)] + M_{k} E[1 | \Im(l)]$$

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$$[M,M](7) = \lim_{|M| \to 0} \sum_{j=0}^{n-1} (M(t_{j+1}) - M(t_{j}))^{2}$$

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$$= \sum_{j=0}^{n-1} (X_{t_{j}},)^{2} = \sum_{j=1}^{n-1} X_{j}^{2} = 7$$

$$\lim_{M \to \infty} W^{(n)}(t) \to W(t)$$

WTS:
$$\lim_{n \to \infty} \left[\sum_{k=1}^{\infty} \frac{1}{k} \frac{1}{k$$

$$X_{n} \stackrel{>}{\Longrightarrow} Y \Rightarrow \lim_{N \to \infty} E[X_{n}] = E[Y]$$

$$Y = T \qquad E[Y] = T \qquad Vor(Y) = O$$

$$R_{n} = \underbrace{\sum_{j=0}^{n-1} (W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}}}_{-1}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}$$

$$\lim_{N \to \infty} E[Q_{\pi}] = \lim_{N \to \infty} \underbrace{\sum_{j=0}^{n-1} (W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}}}_{-1}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}$$

$$\lim_{N \to \infty} E[Q_{\pi}] = \lim_{N \to \infty} \underbrace{\sum_{j=0}^{n-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}]$$

$$= \underbrace{\sum_{j=0}^{n-1} Var((W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}]$$

$$= \underbrace{\sum_{j=0}^{n-1} Var((W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}]$$

$$= \underbrace{\sum_{j=0}^{n-1} Var((W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}]$$

$$= \underbrace{\sum_{j=0}^{n-1} Var((W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}]$$

$$= \underbrace{\sum_{j=0}^{n-1} Var((W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}]$$

$$= \underbrace{\sum_{j=0}^{n-1} Var((W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}]$$

$$= \underbrace{\sum_{j=0}^{n-1} Var((W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}]$$

$$= \underbrace{\sum_{j=0}^{n-1} Var((W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l_{2j_{1}}})^{2}}]$$

$$= \underbrace{\sum_{j=0}^{n-1} Var((W_{l_{2j_{1j_{1}}}) - W_{l_{2j_{1}}})^{2}}_{-1} E[(W_{l_{2j_{1j_{1}}}}) - W_{l$$

$$\begin{split} & [w,w](t) = \lim_{\|T\| \to 0} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & d [w,w](t) = \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2} \\ & - \lim_{\|T\|_{2}} \sum_{j=0}^{\infty} (w_{j}, y_{j}) - w_{j}(t_{j})^{2}$$