

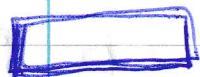
$$\sum_{0 \leq s_n} \prod_{i=1}^n (A + \cancel{K} K) \epsilon_0(i)$$

$$\boxed{i=1 \text{ to } n}$$

$$= \sum_{0 \leq s_n} \sum_{j=1}^n A \prod_{i=1}^j A \epsilon_0(i) \prod_{i=j+1}^n A K \epsilon_0(i)$$

$$= \underbrace{\det(A)}_{\gg K} + (s-t)^n \left(\sum A_s K_s \right)$$

compare the entries of K that are 0 (as they are ≈ 0 col!)



just one of the features -

There is an upper bound on the $A_s K_s$

$$K_s \text{ as } E \|Z\|^2 < \infty$$

$$A_s \text{ as } E \|DX(s)\|^2 < \infty$$

$$E \|X(s)\|^2 < \infty$$

i.e. finite

so for small $s-t$, $\det(A)$ will dominate!