$$\mathcal{Z}[A_n^a] = \int \mathcal{D}A_n^a e^{-S[A_n^a]}$$

Los define: 
$$G[A_n] = \int_{a}^{b} A_n(x) + \omega(x)$$

\* 
$$1 = \int D\Lambda^a \delta(G[A_n^a]) \operatorname{olet}\left(\frac{\delta G[A_n^a]}{\delta \Lambda^b}\right)$$

Gauge Sixing:

$$Z[A_{n}^{a}] = \int DA_{n}^{a} D\Lambda^{b} S(G[A_{n}^{a'}]) \operatorname{clet}\left(\frac{SG[A_{n}^{a'}]}{S\Lambda^{b}}\right) e^{-S[A_{n}^{a}]} = \int S[A_{n}^{a'}] = S[A_{n}^{a'}] = \int DA_{n}^{a'} D\Lambda^{b} S(G[A_{n}^{a'}]) \operatorname{clet}\left(\frac{SG[A_{n}^{a'}]}{S\Lambda^{b}}\right) e^{-S[A_{n}^{a'}]} = \int DA_{n}^{a'} D\Lambda^{b} S(G[A_{n}^{a'}]) \operatorname{clet}\left(\frac{SG[A_{n}^{a'}]}{S\Lambda^{b}}\right) e^{-S[A_{n}^{a'}]} = \int DA_{n}^{a'} DA_{n}^{a'} =$$

$$\mathcal{Z}[A_{n}] = \int \partial \Lambda^{b} \int \partial A_{n}^{a} \delta(\partial^{u}A_{n}^{a} + \omega^{a}) \int \partial c \partial \bar{c} e^{\frac{i}{2} \int e^{i} \Delta x} \bar{c} \partial^{u} \partial_{u} c - S[A_{u}^{a}] =$$

$$= \mathcal{N}(3) \cdot \text{Vol(sum)} \quad \text{DA}_{n}^{a} \quad \text{DcDe} \quad \text{Dw} \quad e^{-\int d^{4}x} \frac{1}{23} \omega^{d} \omega d - \text{S[A}_{n}^{a}] + \frac{i}{9} \int d^{4}x \, \bar{c}^{b} \int^{n} (D_{n})_{bc} C^{c} \left( \frac{1}{23} \mathcal{A}_{n}^{a} + \frac{1}{23} \mathcal{A}_{n}^{a} + \frac{i}{9} \int d^{4}x \, \bar{c}^{b} \int^{n} (D_{n})_{bc} C^{c} \left( \frac{1}{9} \mathcal{A}_{n}^{a} + \frac{1}{23} \mathcal{A}_{n}^{a} + \frac{i}{9} \mathcal{A}_{n}^{a} + \frac{i}{9} \int d^{4}x \, \bar{c}^{b} \int^{n} (D_{n})_{bc} C^{c} \left( \frac{1}{9} \mathcal{A}_{n}^{a} + \frac{i}{23} \mathcal{A}_{n}^{a} + \frac{i}{9} \int d^{4}x \, \bar{c}^{b} \int^{n} (D_{n})_{bc} C^{c} \left( \frac{1}{9} \mathcal{A}_{n}^{a} + \frac{i}{23} \mathcal{A}_{n}^{a} + \frac{i}{9} \int d^{4}x \, \bar{c}^{b} \int^{n} (D_{n})_{bc} C^{c} \right)$$

$$= \mathcal{K}(\mathcal{N}, 3) \quad \mathcal{D}(\mathcal{N}_{n}^{a}) \quad \mathcal{D}(\mathcal{N}_{n$$

The \in factor K(N, \geq) drops out in n-point correlator functions.