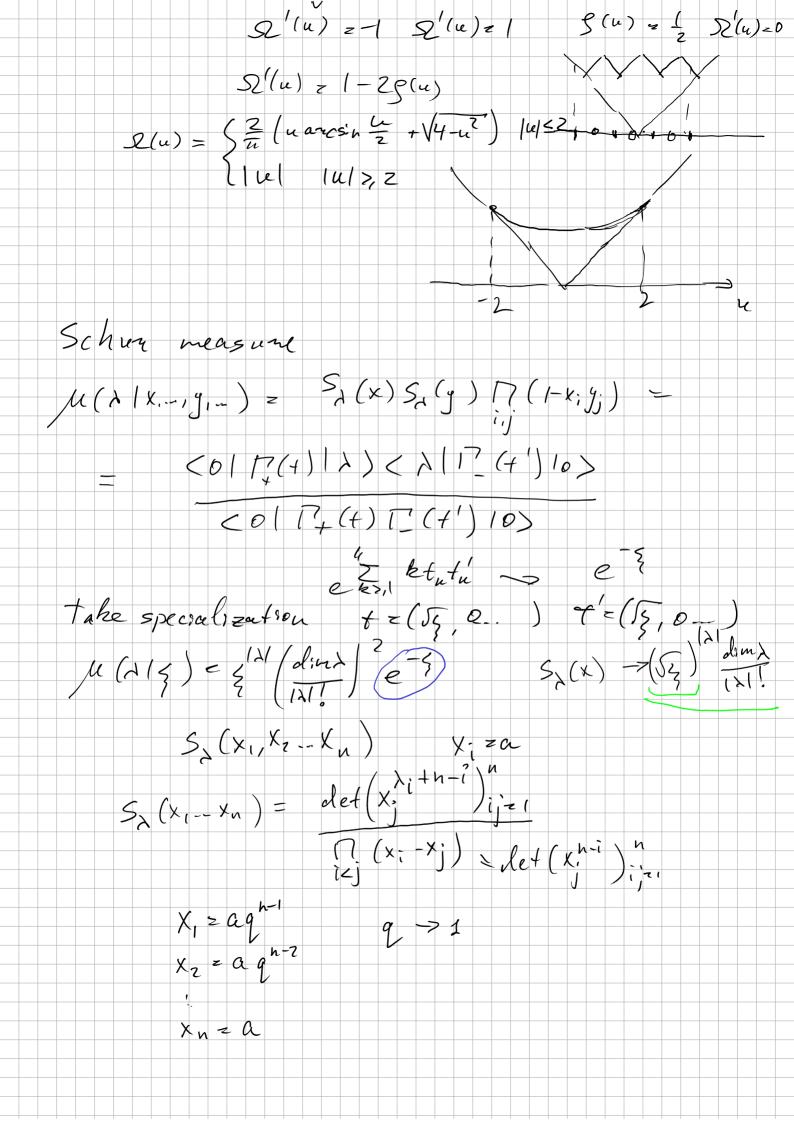
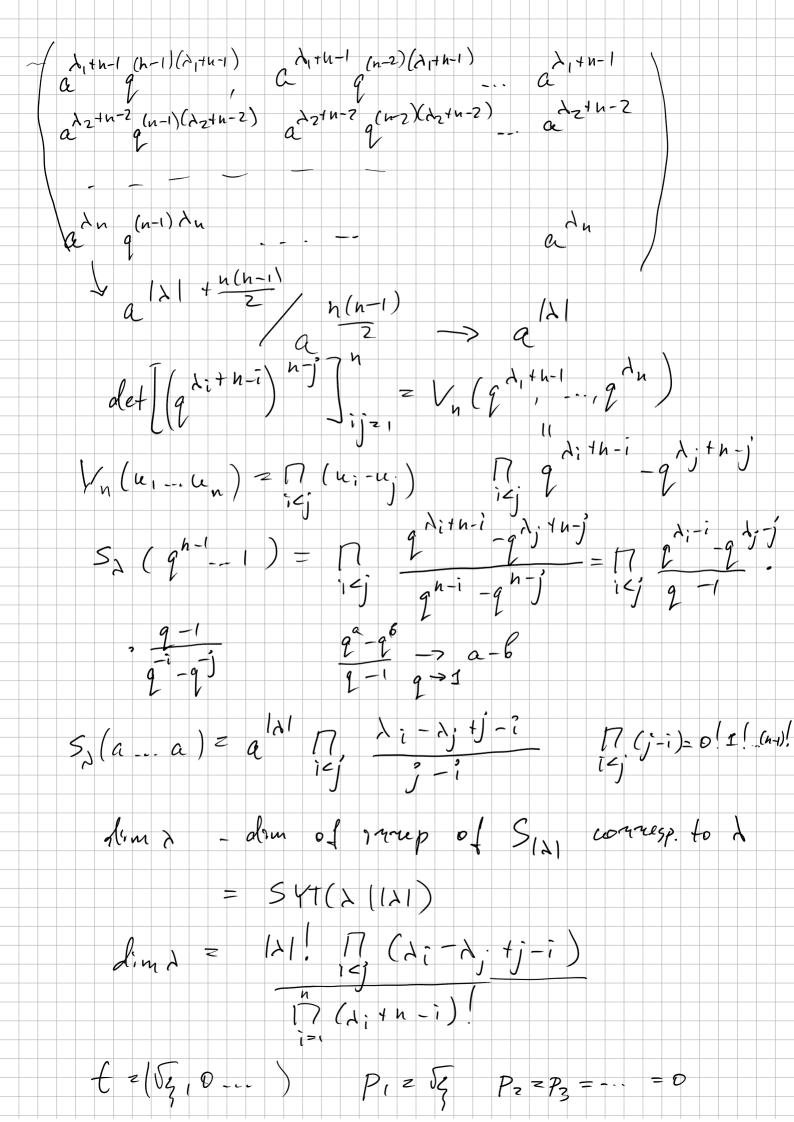
Lecture 5. 02.06.2023 U(i,j) = (014,4,10) $i,j \in \mathbb{Z} + \mathbb{Z}$ $2, w \in \mathbb{C}$ {X; } → {t=(4,4,-) $\{y; \} = \{t' = (t', t'_2)\}$ $\mathcal{U}(z,w) = \overline{z}, z w \mathcal{J} \mathcal{U}(z,j)$ $\mathcal{U}(z,w) = \sqrt{2w} + (z)$ $\mathcal{E}(z) = \int_{z} \frac{1 - y_i/z}{1 - x_i z} = \int_{z} \frac{1 - y_i/z}{1 - x_i z}$ - e = t n 2 k - t x 2 k |w| < 12| t = (\(\frac{1}{2}\), \(\operatorname{1}\)---) $f'(z_0) = l'_{1}m f(z_0) - f(z_0)$ CCU & f(2) dz 20 $\frac{c}{4(z_0)} = \frac{1}{2\pi i} \int_{c} \frac{f(z)}{z - z_0} dz$ 2. EU $f(z) = \alpha_0, + \alpha_1 z + \dots$ $\alpha_k = \begin{cases} f(z) \neq \frac{dz}{z_{ti}} \\ \frac{dz}{z_{ti}} \end{cases} = \begin{cases} \frac{dz}{z_{ti}} \\ \frac{dz}{z_{ti}} \end{cases} = \begin{cases} \frac{dz}{z_{ti}} \end{cases} = \begin{cases} \frac{dz}{z_{ti}} \end{cases}$ $\mathcal{L}(\frac{dz}{z_{ti}}) = \begin{cases} \frac{dz}{z_{ti}} \\ \frac{dz}{z_{ti}} \end{cases} = \frac{dw}{z_{ti}} \end{cases} = \begin{cases} \frac{dz}{z_{ti}} \end{cases} = \begin{cases} \frac{dw}{z_{ti}} \end{cases} = \begin{cases} \frac{dz}{z_{ti}} \end{cases} = \begin{cases} \frac{dz}{z_{ti}} \end{cases}$ $\frac{2}{2}$ $\frac{1}{\sqrt{2}}$ $\frac{1}{\sqrt$

 $e \times p(\sqrt{2}) = 2 - u \cdot (u - \sqrt{2}) \times -y \text{ is fixed}$ $e \times p(\sqrt{2}) = 2 - u \cdot (u - \sqrt{2}) \times -y \text{ is fixed}$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot (u - S(u)) + u \cdot (u \cdot u))$ $\int_{S(z)} (S(z) - u \cdot u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u \cdot u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u \cdot u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u \cdot u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u \cdot u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u \cdot u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u \cdot u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u \cdot u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u \cdot u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u \cdot u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u \cdot u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u) + u \cdot (u \cdot u)$ $\int_{S(z)} (S(z) - u) + u \cdot (u \cdot u)$ $\int e^{MS(x)} dx \approx e^{MS(x_0)} \int e^{MS(x_0)} e^{MS(x_0)}$ $\int e^{MS(x_0)} dx \approx e^{MS(x_0)} \int e^{MS(x_0)} e^{MS(x_0)}$ Re (5(2)-2)=0 75 (z) - u = 0 $Re(S(2) - uln2)z \qquad \varphi = arccos \frac{a}{2}$ $=Re(2-\frac{1}{2}-u\ln 2)=012121$ There is a pole at z = w if $z = i\varphi$ $W(x, y, y, z) = \frac{1}{2\pi i} \int_{-i\varphi}^{2\pi i} \frac{dw}{w} = \frac{1}{2\pi i} \int_{-i\varphi}^{2\pi i} \frac$ $S(u) = \int S(u) = 0$





$$S_{1} \left(\begin{array}{c} \sqrt{2} \\ \sqrt{2} \\$$

Robinson - Schensfed-Unuth algorithm → P, & ∈ SYT(n) $h = \sum (dim \lambda)^{2} \quad \text{there } (\lambda) = \frac{(dim \lambda)^{2}}{2}$