Laurent Series and z-Transform Examples case 2.B

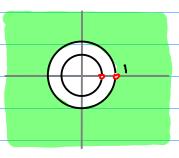
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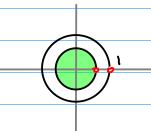
2. B
$$\chi(z) = \frac{-0.5 z^2}{(2-1)(z-0.5)}$$

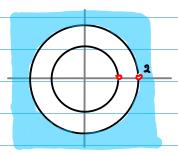
$$\chi(5) = \frac{(5-1)(5-0.5)}{-0.5 \cdot 5^{2}} \xrightarrow{\xi_{-1}} \int (5) = \frac{(5-1)(5-5)}{-1}$$

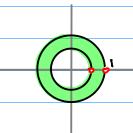


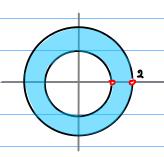
$$\sum_{n=1}^{\infty} \left[1 - 2^{n-1} \right] z^n$$

$$\sum_{\infty}^{n-1} \left[1 - 5_{n-1} \right] \leq n$$









$$\sum_{n=1}^{\infty} 1 \cdot \xi^n + \sum_{n=0}^{\infty} 2^{n-1} \cdot \xi^n$$

$$\sum_{n=1}^{\infty} 1 \cdot \xi^n + \sum_{n=0}^{\infty} 2^{n-1} \cdot \xi^n$$