when we know a random terms in the geo. sequence:

$$t_{m}=t_{1}\times r_{m-1}$$
 $t_{n}=t_{1}\times r_{m}$ 

"R", the ratio bother 2 known terms to the to can be known.

$$R = \frac{t_m}{t_n} = \frac{-t_n \times r}{t_n \times r^{n-1}} = r$$

$$||R|| = |t_{m}| = r$$

$$||R|| = |t_{n}| = r$$

$$||R|| = r$$

$$||R|| = r$$

$$||R|| = r$$

$$||\mathcal{Q}|| = \int_{0}^{\infty} m^{-n}$$

< equate the powers when possible to find o

m, a random positions

PHErnate form: