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$$T_{k+2} = \binom{n+1}{k+1} x^{\frac{1}{6}(n-k)} x^{-\frac{1}{6}(k+1)}$$

$$V_{k+1} = \binom{n}{k} x^{\frac{1}{3}(n-k)} x^{\frac{1}{3}k}$$

$$Q = \frac{\binom{n+1}{k+1} x^{\frac{1}{6}n - k - \frac{1}{6}}}{\binom{n}{k} x^{\frac{1}{3}n + \frac{1}{3}k}} = \frac{(n+1)!}{(k+1)!(n-k)!} \cdot \frac{k!}{n!} \cdot x^{\frac{n}{2} - \frac{2k}{6} - \frac{1}{6}}$$

$$Q = \frac{n+1}{k+1} \cdot x^{\frac{n}{2} - \frac{2k}{6} - \frac{1}{6}}$$

0 koro is x bu jai gurab jai

$$\frac{n}{2} - \frac{2k}{6} - \frac{1}{6} = 0 \quad | \cdot 6$$

$$(*) \quad 3n = 2k + 1$$

$$Q = \frac{n+1}{k+1}$$

$$2k + 2 = n + 1 \rightarrow \underline{n = 2k + 1}$$

$$3(2k + 1) = 2k + 1$$

$$2 = k, \quad n = 5$$

$$V_3 = \binom{5}{2} x^2 = 10x^2$$

$$T_4 = \binom{6}{3} x^2 = 20x^2$$