$$\beta_1 - \beta_0 \in \mathbb{N} + 1$$

$$x\,\underline{\underline{\daleth}} - \underbrace{4+x}\,\underline{\daleth} + 2\daleth = 0 \begin{cases} \daleth_0 = 1 + \frac{1}{2}x + \frac{1}{12}x^2 & \beta_0 = 0 \\ \daleth_1 = x^5 \sum_n^{\mathbb{N}} x^{\cancel{n}} \frac{3 \cdot 4 \cdot 5}{(3+n)\,(4+n)\,(5+n)} & \beta_1 = 5 \end{cases}$$

$$x^2\,\underline{\underline{\daleth}} + 2x\underbrace{x-2}\,\underline{\daleth} + 2\underbrace{2-3x}\daleth = 0 \begin{cases} \daleth_0 = x - 2x^2 + 2x^3 & \beta_0 = \\ \daleth_1 = 6 \sum_n^{\mathbb{N}} x^{n+4} \frac{(-2)^n}{(n+3)!} & \beta_1 = \end{cases}$$

$$x^2\underbrace{1+2x}\,\underline{\underline{\daleth}} + 2x\underbrace{1+6x}\,\underline{\daleth} - 2\daleth = 0 \begin{cases} \daleth_0 = x^{-2} - 6x^{-1} + 24 & \beta_0 = \\ \daleth_1 = \frac{x}{20} \sum_n^{\mathbb{N}} (-2x)^n\,(n+4)\,(n+5) & \beta_1 = \end{cases}$$

$$x^2\,\underline{\underline{\daleth}} + x\underbrace{2+3x}\,\underline{\daleth} - 2\daleth = 0 \begin{cases} \daleth_0 = x^{-2} - 3x^{-1} + 9/2 & \beta_0 = \\ \daleth_1 = 6x \sum_n^{\mathbb{N}} \frac{(-3x)^n}{(n+2)!} & \beta_1 = \end{cases}$$

$$x\,\underline{\underline{\daleth}} - \underbrace{3+x}\,\underline{\daleth} + 2\daleth = 0 \begin{cases} \daleth_0 = 1 + \frac{2}{3}x + \frac{1}{6}x^2 & \beta_0 = \\ \daleth_1 = 24 \sum_n^{\mathbb{N}} x^{n+4} \frac{n+1}{(n+4)!} & \beta_1 = \end{cases}$$

$$x\underbrace{1+x}\,\underline{\underline{\daleth}} + \underbrace{x+5}\,\underline{\daleth} - 4\daleth = 0 \begin{cases} \daleth_0 = x^{-4} + 4x^{-3} + 5x^{-2} & \beta_0 = \\ \daleth_1 = 1 + \frac{4}{5}x + \frac{1}{5}x^2 & \beta_1 = \end{cases}$$

$$x^2\,\underline{\underline{\daleth}} + x^2\,\underline{\daleth} - 2\daleth = 0 \begin{cases} \daleth_0 = x^{-1} - \frac{1}{2} & \beta_0 = \\ \daleth_1 = 6 \sum_n^{\mathbb{N}} x^{n+2} \frac{-1^n\,(n+1)}{(n+3)!} & \beta_1 = \end{cases}$$

$$x\underbrace{1-x}\,\underline{\underline{\daleth}} - 3\,\underline{\daleth} + 2\daleth = 0 \begin{cases} \daleth_0 = 1 + \frac{2}{3}x + \frac{1}{3}x^2 & \beta_0 = \\ \daleth_1 = \sum_n^{\mathbb{N}} x^{n+4}\,(n+1) & \beta_1 = \end{cases}$$

$$x\,\underline{\underline{\daleth}} + \underbrace{4+3x}\,\underline{\daleth} + 3\daleth = 0 \begin{cases} \daleth_0 = x^{-3} - 3x^{-2} + \frac{9}{2}x^{-1} & \beta_0 = \\ \daleth_1 = 6 \sum_n^{\mathbb{N}} x^n \frac{(-3)^n}{(n+3)!} & \beta_1 = \end{cases}$$

$$x\underline{\underline{\daleth}} - 2\underbrace{x+2}\,\underline{\daleth} + 4\daleth = 0 \begin{cases} \daleth_0 = 1 + x + \dfrac{1}{3}x^2 & \beta_0 = \\ \daleth_1 = x^5 \sum\limits_{n}^{\mathbb{N}} x^{\cancel{n}} \dfrac{2^n 60}{(n+3)\,(n+4)\,(n+5)} & \beta_1 = \end{cases}$$

$$x\underline{\underline{\daleth}} + \underbrace{3+2x}\,\underline{\daleth} + 4\daleth = 0 \begin{cases} \daleth_0 = x^{-2} & \beta_0 = \\ \daleth_1 = 2\sum\limits_{n}^{\mathbb{N}} x^{\cancel{n}} \dfrac{(-2)^n}{n+2} & \beta_1 = \end{cases}$$

$$x\underbrace{x+3}\,\underline{\underline{\daleth}} - 9\underline{\daleth} - 6\daleth = 0 \begin{cases} \daleth_0 = 1 - \dfrac{2}{3}x + \dfrac{1}{3}x^2 - \dfrac{4}{27}x^3 & \beta_0 = \\ \daleth_1 = \dfrac{1}{5}\sum\limits_{n}^{\mathbb{N}} x^{n+4} \dfrac{n+5}{(-3)^n} & \beta_1 = \end{cases}$$

$$x\underbrace{1-2x}\,\underline{\underline{\daleth}} - 2\underbrace{2+x}\,\underline{\daleth} + 8\daleth = 0 \begin{cases} \daleth_0 = 1 + 2x + 2x^2 & \beta_0 = \\ \daleth_1 = \dfrac{1}{12}\sum\limits_{n}^{\mathbb{N}} x^{n+5} 2^n\,(n+1)\,(n+2)\,(n+6) & \beta_1 = \end{cases}$$

$$x\underline{\underline{\daleth}} + \underbrace{x^3-1}\,\underline{\daleth} + x^2\daleth = 0 \begin{cases} \daleth_0 = \sum\limits_{m}^{\mathbb{N}} x^{3m} \dfrac{(-1/3)^m}{m!} & \beta_0 = \\ \daleth_1 = \sum\limits_{m}^{\mathbb{N}} x^{3m+2} \dfrac{(-1/3)^m}{(5/3)_m} & \beta_1 = \end{cases}$$

$$x^2\underbrace{4x-1}\,\underline{\underline{\daleth}} + x\underbrace{5x+1}\,\underline{\daleth} + 3\daleth = 0 \begin{cases} \daleth_0 = x^{-1} - 1 & \beta_0 = \\ \daleth_1 = 12x^3\sum\limits_{n}^{\mathbb{N}} x^{\cancel{n}} 4^n (13/4)_n\,(n+3)\,(n+4) & \beta_1 = \end{cases}$$