(*Py(mu,5)*)

n = 5:

Ymu = Table $[\gamma \mu i, \{\gamma \mu i, \{0, 0.005, 0.05, 0.5, 0.5, 0.5\}\}] *$

$$\begin{aligned} & \mathsf{Table} \Big[\frac{\mathsf{n}\,!}{\mathsf{i}\,!\, \left(\mathsf{n}\,-\,\mathsf{i}\right)\,!}\,,\, \left\{\mathsf{i}\,,\, \left\{0\,,\, 1\,,\, 2\,,\, 3\,,\, 4\,,\, 5\right\}\right\} \Big] \,\star\, \mathsf{Table} \Big[\frac{\left(\mu\,/\,\mu\theta\right)^{\,\mathsf{i}}}{\left(1\,+\,\mu\,/\,\mu\theta\right)^{\,\mathsf{n}}},\, \left\{\mathsf{i}\,,\, \left\{0\,,\, 1\,,\, 2\,,\, 3\,,\, 4\,,\, 5\right\}\right\} \Big] \\ & \left\{0\,,\, \frac{0.025\,\mu}{\left(1\,+\,\frac{\mu}{\mu\theta}\right)^{\,\mathsf{5}}\,\mu\theta^{\,\mathsf{2}}}\,,\, \frac{0.5\,\mu^{\,\mathsf{2}}}{\left(1\,+\,\frac{\mu}{\mu\theta}\right)^{\,\mathsf{5}}\,\mu\theta^{\,\mathsf{3}}}\,,\, \frac{2.5\,\mu^{\,\mathsf{4}}}{\left(1\,+\,\frac{\mu}{\mu\theta}\right)^{\,\mathsf{5}}\,\mu\theta^{\,\mathsf{4}}}\,,\, \frac{0.5\,\mu^{\,\mathsf{5}}}{\left(1\,+\,\frac{\mu}{\mu\theta}\right)^{\,\mathsf{5}}\,\mu\theta^{\,\mathsf{5}}} \right\} \end{aligned}$$

Ymusim =

FullSimplify
$$\left[\frac{0.025\,\mu}{\left(1+\frac{\mu}{\mu0}\right)^5\,\mu0} + \frac{0.5\,\mu^2}{\left(1+\frac{\mu}{\mu0}\right)^5\,\mu0^2} + \frac{5\,\mu^3}{\left(1+\frac{\mu}{\mu0}\right)^5\,\mu0^3} + \frac{2.5\,\mu^4}{\left(1+\frac{\mu}{\mu0}\right)^5\,\mu0^4} + \frac{0.5\,\mu^5}{\left(1+\frac{\mu}{\mu0}\right)^5\,\mu0^5}\right]$$

$$\frac{\mu\,\left(0.5\,\mu^4 + 2.5\,\mu^3\,\mu0 + 5.\,\mu^2\,\mu0^2 + 0.5\,\mu\,\mu0^3 + 0.025\,\mu0^4\right)}{\left(\mu+\mu0\right)^5}$$

Ym = Table[ymi, {ymi, {0, 0.04, 0.2, 1.0, 1.0, 1.0}}] *

$$\begin{aligned} & \mathsf{Table} \Big[\frac{\mathsf{n}\,!}{\mathsf{i}\,!\, \left(\mathsf{n}\,-\,\mathsf{i}\right)\,!}\,,\, \left\{\mathsf{i}\,,\, \left\{0\,,\, 1\,,\, 2\,,\, 3\,,\, 4\,,\, 5\right\}\right\} \Big] \star \mathsf{Table} \Big[\frac{\left(\mu\,/\,\mu 0\right)^{\,\mathsf{i}}}{\left(1\,+\,\mu\,/\,\mu 0\right)^{\,\mathsf{n}}},\, \left\{\mathsf{i}\,,\, \left\{0\,,\, 1\,,\, 2\,,\, 3\,,\, 4\,,\, 5\right\}\right\} \Big] \\ & \left\{0\,,\, \frac{0\,.\, 2\,\,\mu}{\left(1\,+\,\frac{\mu}{\mu 0}\right)^{\,\mathsf{5}}\,\mu 0^{\,\mathsf{2}}}\,,\, \frac{2\,.\,\,\mu^{\,\mathsf{2}}}{\left(1\,+\,\frac{\mu}{\mu 0}\right)^{\,\mathsf{5}}\,\mu 0^{\,\mathsf{3}}}\,,\, \frac{5\,.\,\,\mu^{\,\mathsf{4}}}{\left(1\,+\,\frac{\mu}{\mu 0}\right)^{\,\mathsf{5}}\,\mu 0^{\,\mathsf{4}}}\,,\, \frac{1\,.\,\,\mu^{\,\mathsf{5}}}{\left(1\,+\,\frac{\mu}{\mu 0}\right)^{\,\mathsf{5}}\,\mu 0^{\,\mathsf{5}}}\right\} \end{aligned}$$

Ymsim =

$$\begin{aligned} & \text{FullSimplify} \Big[\frac{0.2\,\mu}{\left(1 + \frac{\mu}{\mu 0}\right)^5\,\mu 0} + \frac{2\,\mu^2}{\left(1 + \frac{\mu}{\mu 0}\right)^5\,\mu 0^2} + \frac{10\,\mu^3}{\left(1 + \frac{\mu}{\mu 0}\right)^5\,\mu 0^3} + \frac{5\,\mu^4}{\left(1 + \frac{\mu}{\mu 0}\right)^5\,\mu 0^4} + \frac{1\,\mu^5}{\left(1 + \frac{\mu}{\mu 0}\right)^5\,\mu 0^5} \Big] \\ & \frac{1}{\left(\mu + \mu 0\right)^5} \mu \left(\mu^4 + 5 \cdot \mu^3\,\mu 0 + 10 \cdot \mu^2\,\mu 0^2 + 2 \cdot \mu\,\mu 0^3 + 0 \cdot 2\,\mu 0^4\right) \end{aligned}$$

$$\begin{aligned} & \text{Pymu5} = \text{FullSimplify} \Big[\left(\frac{1}{\left(\mu + \mu \theta \right)^5} \, \mu \, \left(0.5 \, \mu^4 + 2.5 \, \mu^3 \, \mu \theta + 5 \, \mu^2 \, \mu \theta^2 + 0.5 \, \mu \, \mu \theta^3 + 0.025 \, \mu \theta^4 \right) \right] \Big/ \\ & \left(0.5 + \left(\mu \, \left(\mu^4 + 5 \, \mu^3 \, \mu \theta + 10 \, \mu^2 \, \mu \theta^2 + 2 \, \mu \, \mu \theta^3 + 0.2 \, \mu \theta^4 \right) \right) \, / \left(\mu + \mu \theta \right)^5 \right) \Big] \\ & \left(\mu \, \left(0.3333333 \, \mu^4 + 1.666667 \, \mu^3 \, \mu \theta + 3.333333 \, \mu^2 \, \mu \theta^2 + 0.3333333 \, \mu \, \mu \theta^3 + 0.01666667 \, \mu \theta^4 \right) \right) \, / \left(1. \, \mu^5 + 5. \, \mu^4 \, \mu \theta + 10. \, \mu^3 \, \mu \theta^2 + 4.666667 \, \mu^2 \, \mu \theta^3 + 1.8 \, \mu \, \mu \theta^4 + 0.3333333 \, \mu \theta^5 \right) \end{aligned}$$