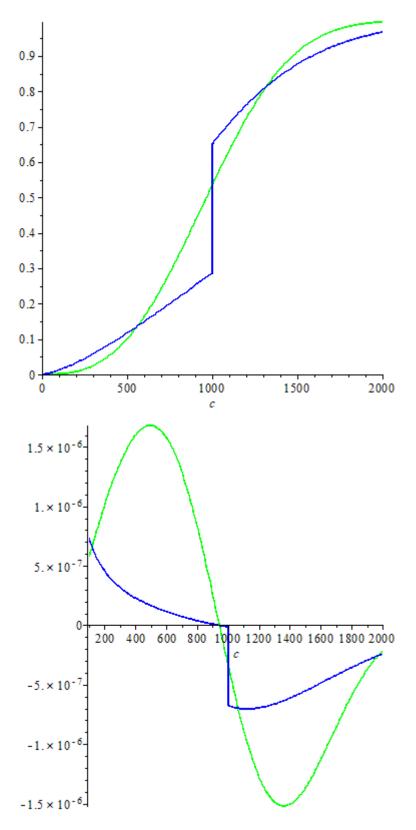
```
restart:
with(plots):
Dummy := piecewise(c < 1000, 0, 1);
Need := [lambda0 = 0.00091, lambda1 = 0, k0 = 2.84639, k1 = 0];
NeedD := [lambda0 = 0.00047, lambda1 = 0.00056, k0 = 1.44034, k1 = 0.25428];
NoNeed := [lambda0 = 0.00085, lambda1 = 0, k0 = 1.50106, k1 = 0];
NoNeedD := [lambda0 = 0.00056, lambda1 = 0.00025, k0 = 0.87042, k1 = 1.15519];
J := 1 - \exp(-((lambda0 + lambda1 \cdot Dummy) \cdot c)^{(k0 + k1 \cdot Dummy)}):
PN := subs(Need, J);
PND := subs(NeedD, J);
plot([PN, PND], c = 0..2000, color = [green, blue]);
DPN := diff(PN, c):
D2PN := diff(DPN, c):
DPND := diff(PND, c):
D2PND := diff(DPND, c):
plot([D2PN, D2PND], c = 100..2000, color = [green, blue]);
PNoN := subs(NoNeed, J);
PNoND := subs(NoNeedD, J);
plot([PNoN, PNoND], c = 0..2000, color = [green, blue]);
DPNoN := diff(PNoN, c):
D2PNoN := diff(DPNoN, c):
DPNoND := diff(PNoND, c):
D2PNoND := diff(DPNoND, c):
plot([D2PNoN, D2PNoND], c = 100..2000, color = [green, blue])
```



 $PNoN := 1 - e^{-0.00002459651471} c^{1.50106}$

$$PNoND := 1 - e^{-\left(\left(0.00025\left(\left[\begin{array}{ccc} 0 & c < 1000 \\ 1 & otherwise \end{array}\right] + 0.00056\right)c\right)} + 0.87042$$

$$0.9 - 0.1 - 0.4 - 0.3 - 0.2 - 0.1 - 0.1 - 0.00 - 0.1 - 0.00 -$$

