FischerPS08-3.imi
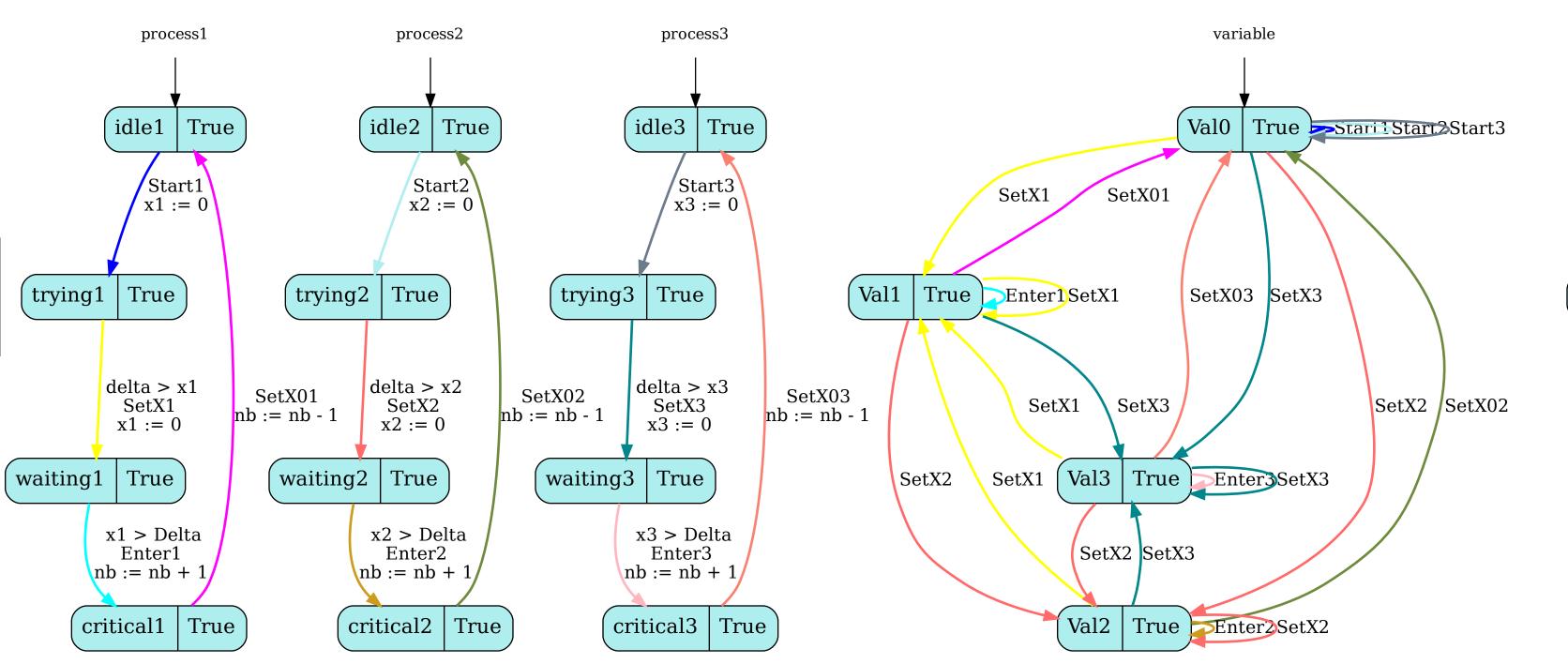
Generated by IMITATOR 3.1 "Cheese Artichoke"
Build: HEAD/ec224ec
Generation time: Fri Jul 23, 2021 10:20:05

3 clocks	2 parameters	1 discrete	Initial
x1 x2 x3	delta Delta	nb	Delta >= 0 & delta >= 0 & x2 = 0 & x1 = 0 & x3 = 0

process1

| idle1 | True |

Start1
x1 := 0

| trying1 | True |

delta > x1
SetX1
x1 := 0

| waiting1 | True |

x1 > Delta
Enter1
nb := nb + 1

SetX01

| critical1 | True |

process2

| idle2 | True |

Start2
x2 := 0

| trying2 | True |

delta > x2
SetX2
x2 := 0

SetX01
nb := nb - 1

| waiting2 | True |

x2 > Delta
Enter2
nb := nb + 1

| critical2 | True |

process3

| idle3 | True |

Start3
x3 := 0

| trying3 | True |

delta > x3
SetX3
x3 := 0

SetX02
nb := nb - 1

| waiting3 | True |

x3 > Delta
Enter3
nb := nb + 1

SetX03
nb := nb - 1

| critical3 | True |

variable

| Val0 | True |

Start1 Start2 Start3

SetX1   SetX01

| Val1 | True |

Enter1 SetX1

SetX03 SetX3

SetX1   SetX3

SetX2   SetX1

| Val3 | True |

Enter3 SetX3

SetX2   SetX3

SetX2   SetX2

SetX2   SetX02

| Val2 | True |

Enter2 SetX2

observer

| obs_OK | True |

nb = 2

| obs_BAD | True |