

A

Script for Constant Volume.bnet

Left	Right	Forward	Backward	Type
	A	$k_2 \cdot V$	$d + k$	Discrete
	AA	0	k	Discrete
A+A	AA	300/V	AABack	Discrete

Name	#	Type	Save	Output #	Range	Divide
A	1	☒ Discrete	☒ Save	2		☐ Divide
AA	2	☒ Discrete	☒ Save	3		☐ Divide

Species Constants Output Executable Comments

Species: Name Value
A 0
AA 0

Constants: Name Value
AABack 10
V 75
d 1
k 0.02
k2 1

Time Settings: Time Step: 0.01
Until: 200.0
Stop Run

Display: ☒ A
External: AA

Time = 5.41 s for 264784 steps

B

Script for Varying Volume.bnet

Left	Right	Forward	Backward	Type
	A	$k_2 \cdot V$	d	Discrete
	AA	0	k	Discrete
V	V+V	k	0	Discrete
A+A	AA	300/V	AABack	Discrete

Name	#	Type	Save	Output #	Range	Divide
A	1	☒ Discrete	☒ Save	2		☒ Divide
AA	2	☒ Discrete	☒ Save	3		☒ Divide
V	3	☒ Discrete	☒ Save	4	100	☒ Divide

Species Constants Output Executable Comments

Species: Name Value
A 0
AA 0
V 50

Constants: Name Value
AABack 10
d 1
k 0.02
k2 1

Time Settings: Time Step: 0.01
Until: 200.0
Stop Run

Display: AA
External: Create...

Time = 2.22 s for 1734184 steps