

Figure 1

Godley Table

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	Assets	Liabilities	Equity	A-L-E
Flows ↓ / Stock Vars →	+ - +	+ - ← →	+ - ←	
+ Initial Conditions				0

Figure 2

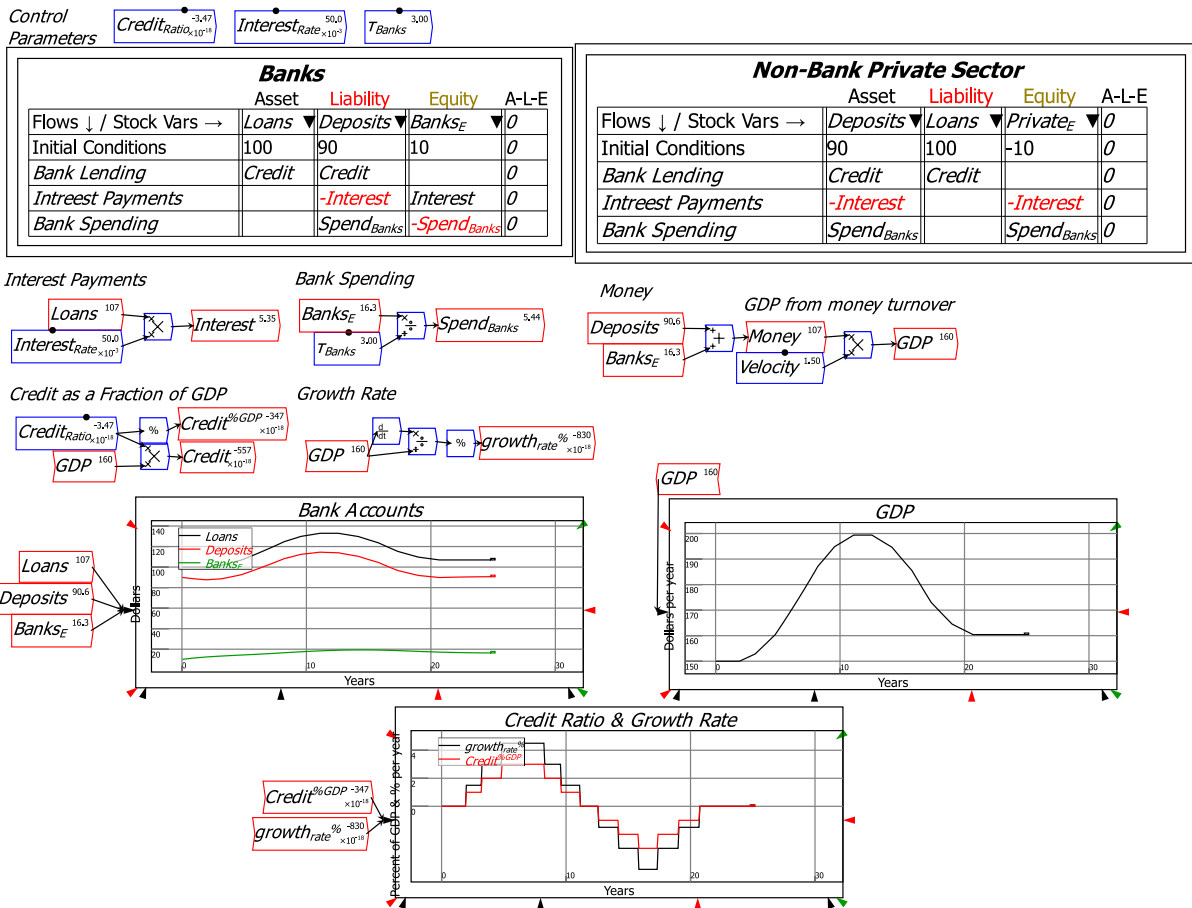


Figure 3

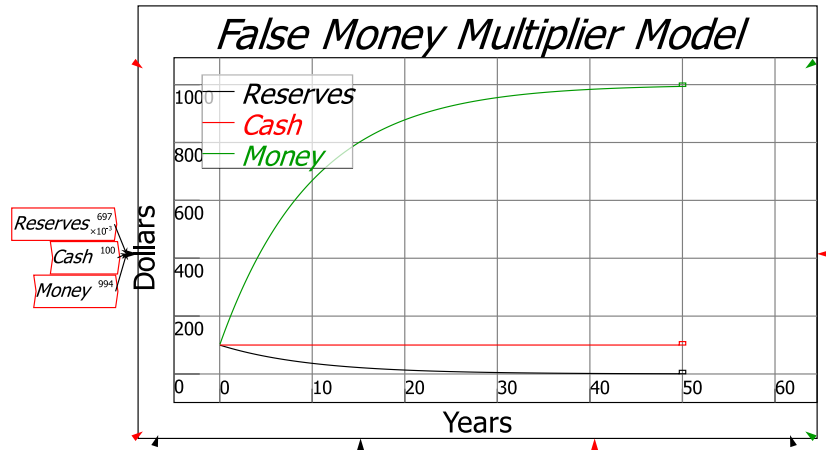
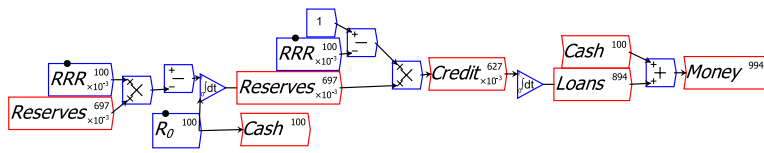


Figure 4

Banking Sector					
	Asset		Liability	Equity	A-L-E
Flows ↓ / Stock Vars →	Reserves ▼	Loans ▼	Deposits ▼	Banks _E ▼	0
Initial Conditions	0	0	0	0	0
Lend from Reserves	-Lend _{Reserves}		Lend _{Reserves}		-2Lend _{Reserves}

Figure 5

Banking Sector					
	Asset		Liability	Equity	A-L-E
Flows ↓ / Stock Vars →	Reserves ▼	Loans ▼	Deposits ▼	Banks _E ▼	0
Initial Conditions	0	0	0	0	0
Lend from Reserves	-Lend _{Reserves}	Lend _{Reserves}			0

Figure 6

$RRR_{\times 10^2} = 100$ "Required Reserve Ratio" set to 10%
 $T_{Deposit, \times 10^2} = 500$ Customers attempt to deposit all their cash over 6 months (0.5 of a year)

Banks					
	Asset		Liability	Equity	A-L-E
Flows ↓ / Stock Vars →	Reserves = 186	Loans = 776	Deposits = 862	Banks _E = 100	0
Initial Conditions	100	0	0	100	0
Lend from Reserves	-Lend = -24,9	Lend = 24,9			0
Deposit Cash at Banks	Deposit = 27,6		Deposit = 27,6		0

Private Sector					
	Asset		Liability	Equity	A-L-E
Flows ↓ / Stock Vars →	Deposits = 862	Cash = 13,8	Loans = 776	Private _E = 100	0
Initial Conditions	0	100	0	100	0
Lend from Reserves		Lend = 24,9	Lend = 24,9		0
Deposit Cash at Banks	Deposit = 27,6	-Deposit = -27,6			0

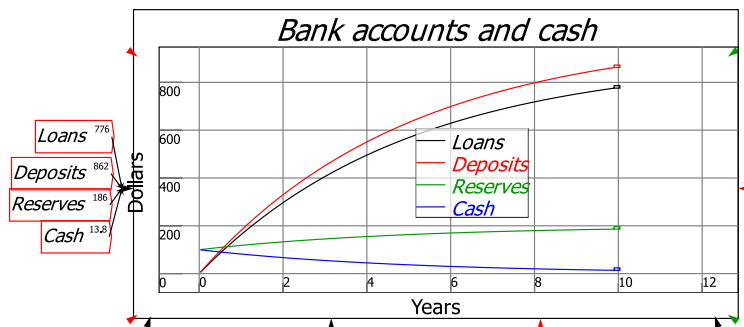
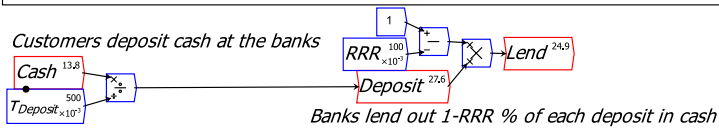


Figure 7

Banks					
	Asset		Liability	Equity	A-L-E
Flows ↓ / Stock Vars →	Reserves	Bonds _B	Deposits	Banks _E	0
Initial Conditions	0	0	0	0	0
Government Spending	Spend _G		Spend _G		0
Taxation	-Tax		-Tax		0

Figure 8

BANKS					
	Asset		Liability	Equity	A-L-E
Flows ↓ / Stock Vars →	Reserves ▼	Bonds _B ▼	Deposits ▼	Banks _E ▼	0
Initial Conditions	0	0	0	0	0
Government Spending	Spend _G		Spend _G		0
Taxation	-Tax		-Tax		0

Private Sector					
	Asset		Liability	Equity	A-L-E
Flows ↓ / Stock Vars →	Deposits ▼			Private _E ▼	0
Initial Conditions	0			0	0
Government Spending	Spend _G			Spend _G	0
Taxation	-Tax			-Tax	0

Central Bank					
	Asset		Liability	Equity	A-L-E
Flows ↓ / Stock Vars →		Reserves ▼	CB _E ▼		0
Initial Conditions		0	0		0
Government Spending		Spend _G			-Spend _G
Taxation		-Tax			Tax

Treasury					
	Asset		Liability	Equity	A-L-E
Flows ↓ / Stock Vars →		Bonds _B ▼	Treasury _E ▼		0
Initial Conditions		0	0		0

Figure 9

Banks					
	Asset		Liability	Equity	A-L-E
Flows ↓ / Stock Vars →	Reserves ▼	Bonds _B ▼	Deposits ▼	Banks _E ▼	0
Initial Conditions	0	0	0	0	0
Government Spending	Spend _G		Spend _G		0
Taxation	-Tax		-Tax		0

Private Sector					
	Asset	Liability	Equity	A-L-E	
Flows ↓ / Stock Vars →	Deposits ▼		Private _E ▼	0	
Initial Conditions	0		0	0	0
Government Spending	Spend _G		Spend _G	0	
Taxation	-Tax		-Tax	0	

Central Bank					
	Asset	Liability	Equity	A-L-E	
Flows ↓ / Stock Vars →	Reserves ▼	Treasury _{CRF} ▼	CB _E ▼	0	
Initial Conditions	0	0	0	0	0
Government Spending		Spend _G	-Spend _G	0	
Taxation		-Tax	Tax	0	

Treasury					
	Asset	Liability	Equity	A-L-E	
Flows ↓ / Stock Vars →	Treasury _{CRF} ▼	Bonds _B ▼	Treasury _E ▼	0	
Initial Conditions	0	0	0	0	0
Government Spending	-Spend _G		-Spend _G	0	
Taxation	Tax		Tax	0	

Figure 10

Banks					
	Asset		Liability	Equity	A-L-E
Flows ↓ / Stock Vars →	Reserves ▼	Bonds _B ▼	Deposits ▼	Banks _E ▼	0
Initial Conditions	0	0	0	0	0
Government Spending	Spend _G		Spend _G		0
Taxation	-Tax		-Tax		0
Treasury Bond Sales	-Bond _{sale} ^{T->B}	Bond _{sale} ^{T->B}			0

Figure 11

Central Bank					
	Asset		Liability	Equity	A-L-E
Flows ↓ / Stock Vars →	▼ Reserves	▼ Treasury _{CRF}	▼ CB _E	▼ 0	
Initial Conditions	0	0	0	0	0
Government Spending	Spend _G	-Spend _G			0
Taxation	-Tax	Tax			0
Treasury Bond Sales	-Bond _{Sale} ^{T->B}	Bond _{Sale} ^{T->B}			0

Treasury					
	Asset		Liability	Equity	A-L-E
Flows ↓ / Stock Vars →	Treasury _{CRF}	▼ Bonds _B	▼ Treasury _E	▼ 0	
Initial Conditions	0	0	0	0	0
Government Spending	-Spend _G		-Spend _G		0
Taxation	Tax		Tax		0
Treasury Bond Sales	Bond _{Sale} ^{T->B}	Bond _{Sale} ^{T->B}			0

Figure 12

Banks					
	Asset		Liability	Equity	A-L-E
Flows ↓ / Stock Vars →	Reserves	▼ Bonds _B	▼ Deposits	▼ Banks _E	▼ 0
Initial Conditions	0	0	0	0	0
Government Spending	Spend _G		Spend _G		0
Taxation	-Tax		-Tax		0
Treasury Bond Sales	-Bond _{Sale} ^{T->B}	Bond _{Sale} ^{T->B}			0
Interest on Bonds to Banks	Int _{Bonds} ^B			Int _{Bonds} ^B	0

Figure 13

Central Bank					
	Asset		Liability	Equity	A-L-E
Flows ↓ / Stock Vars →		▼ Reserves ▼	Treasury _{CRF} ▼	CB _E ▼	0
Initial Conditions		0	0	0	0
Government Spending		Spend _G	-Spend _G		0
Taxation		-Tax	Tax		0
Treasury Bond Sales		-Bond _{Sale} ^{T-->B}	Bond _{Sale} ^{T-->B}		0
Interest on Bonds to Banks		Int _{Bonds} ^B	-Int _{Bonds} ^B		0

Treasury					
	Asset		Liability	Equity	A-L-E
Flows ↓ / Stock Vars →		Treasury _{CRF} ▼	Bonds _B ▼	Treasury _E ▼	0
Initial Conditions		0	0	0	0
Government Spending		-Spend _G		-Spend _G	0
Taxation		Tax		Tax	0
Treasury Bond Sales		Bond _{Sale} ^{T-->B}	Bond _{Sale} ^{T-->B}		0
Interest on Bonds to Banks		-Int _{Bonds} ^B		-Int _{Bonds} ^B	0

Figure 14

Banks						
	Asset		Liability	Equity	A-L-E	
Flows ↓ / Stock Vars →		Reserves ▼	Bonds _B ▼	Deposits ▼	Banks _E ▼	0
Initial Conditions		0	0	0	0	0
Government Spending		Spend _G		Spend _G		0
Taxation		-Tax		-Tax		0
Treasury Bond Sales		-Bond _{Sale} ^{T-->B}	Bond _{Sale} ^{T-->B}			0
Interest on Bonds to Banks		Int _{Bonds} ^B			Int _{Bonds} ^B	0
Central Bank OMO with Banks		Bond _{Sale} ^{B-->CB}	-Bond _{Sale} ^{B-->CB}			0

Figure 15

Banks					
Flows ↓ / Stock Vars →	Asset		Liability	Equity	A-L-E
	Reserves	▼ Bonds _B	▼ Deposits	▼ Banks _E	▼ 0
Initial Conditions	0	0	0	0	0
Government Spending	Spend _G		Spend _G		0
Taxation	-Tax		-Tax		0
Treasury Bond Sales	-Bond _{Sale} ^{T->B}	Bond _{Sale} ^{T->B}			0
Interest on Bonds to Banks	Int _{Bonds} ^B			Int _{Bonds} ^B	0
Central Bank OMO with Banks	Bond _{Sale} ^{B->CB}	-Bond _{Sale} ^{B->CB}			0
Central Bank OMO with NBFIs	Bond _{Sale} ^{NB->CB}		Bond _{Sale} ^{NB->CB}		0
Bank Bond Sales to Non-Banks		-Bond _{Sale} ^{B->NB}	-Bond _{Sale} ^{B->NB}		0
Interest on Bonds to Non-Banks	Int _{Bonds} ^{NB}		Int _{Bonds} ^{NB}		0

Private Sector					
Flows ↓ / Stock Vars →	Asset		Liability	Equity	A-L-E
	Deposits	▼ Bonds _{NB}	▼ Private _E	▼ 0	▼ 0
Initial Conditions	0	0		0	0
Government Spending	Spend _G			Spend _G	0
Taxation	-Tax			-Tax	0
Bank Bond Sales to Non-Banks	-Bond _{Sale} ^{B->NB}	Bond _{Sale} ^{B->NB}			0
Interest on Bonds to Non-Banks	Int _{Bonds} ^{NB}			Int _{Bonds} ^{NB}	0
Central Bank OMO with NBFIs	Bond _{Sale} ^{NB->CB}	-Bond _{Sale} ^{NB->CB}			0

Central Bank					
Flows ↓ / Stock Vars →	Asset		Liability	Equity	A-L-E
	Bonds _{CB}	▼ Reserves	▼ Treasury _{CRF}	▼ CB _E	▼ 0
Initial Conditions	0	0	0	0	0
Government Spending		Spend _G	-Spend _G		0
Taxation		-Tax	Tax		0
Treasury Bond Sales		-Bond _{Sale} ^{T->B}	Bond _{Sale} ^{T->B}		0
Interest on Bonds to Banks		Int _{Bonds} ^B	-Int _{Bonds} ^B		0
Central Bank OMO with Banks	Bond _{Sale} ^{B->CB}	Bond _{Sale} ^{B->CB}			0
Central Bank OMO with NBFIs	Bond _{Sale} ^{NB->CB}	Bond _{Sale} ^{NB->CB}			0
Interest on Bonds to Non-Banks		Int _{Bonds} ^{NB}	-Int _{Bonds} ^{NB}		0

Treasury					
Flows ↓ / Stock Vars →	Asset		Liability	Equity	A-L-E
	Treasury _{CRF}	▼ Bonds _B	▼ Bonds _{CB}	▼ Bonds _{NB}	▼ Treasury _E
Initial Conditions	0	0	0	0	0
Government Spending	-Spend _G				-Spend _G
Taxation	Tax				Tax
Treasury Bond Sales	Bond _{Sale} ^{T->B}	Bond _{Sale} ^{T->B}			0
Interest on Bonds to Banks	-Int _{Bonds} ^B				-Int _{Bonds} ^B
Central Bank OMO with Banks		-Bond _{Sale} ^{B->CB}	Bond _{Sale} ^{B->CB}		0
Bank Bond Sales to Non-Banks		-Bond _{Sale} ^{B->NB}		Bond _{Sale} ^{B->NB}	0
Interest on Bonds to Non-Banks	-Int _{Bonds} ^{NB}				-Int _{Bonds} ^{NB}
Central Bank OMO with NBFIs			Bond _{Sale} ^{NB->CB}	-Bond _{Sale} ^{NB->CB}	0

Figure 16

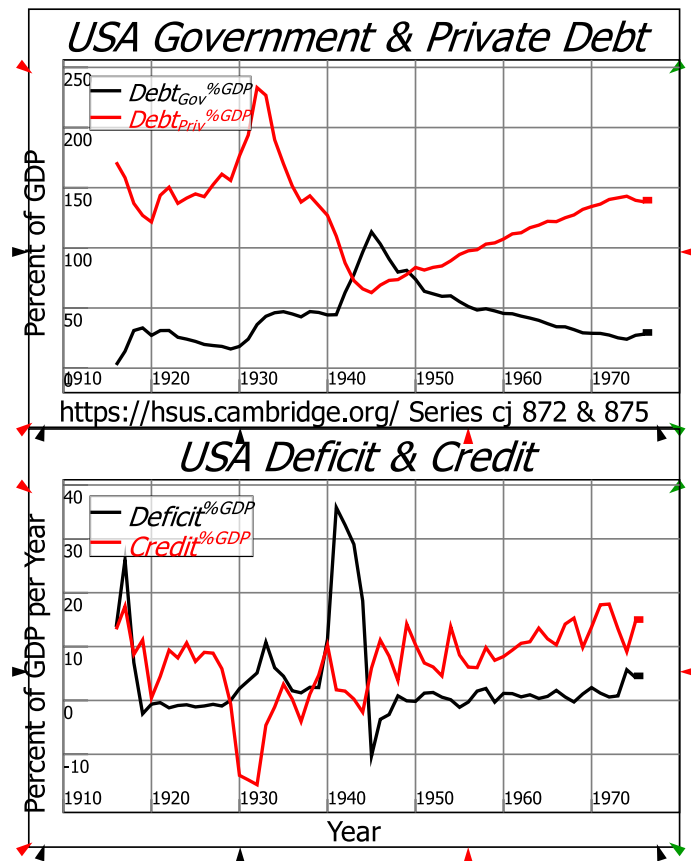


Figure 17

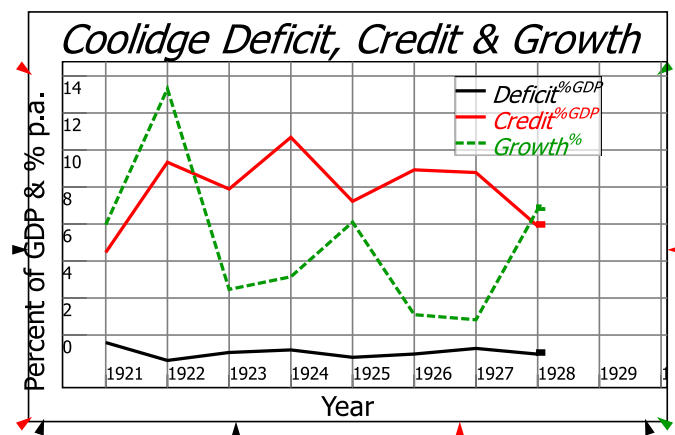


Figure 18

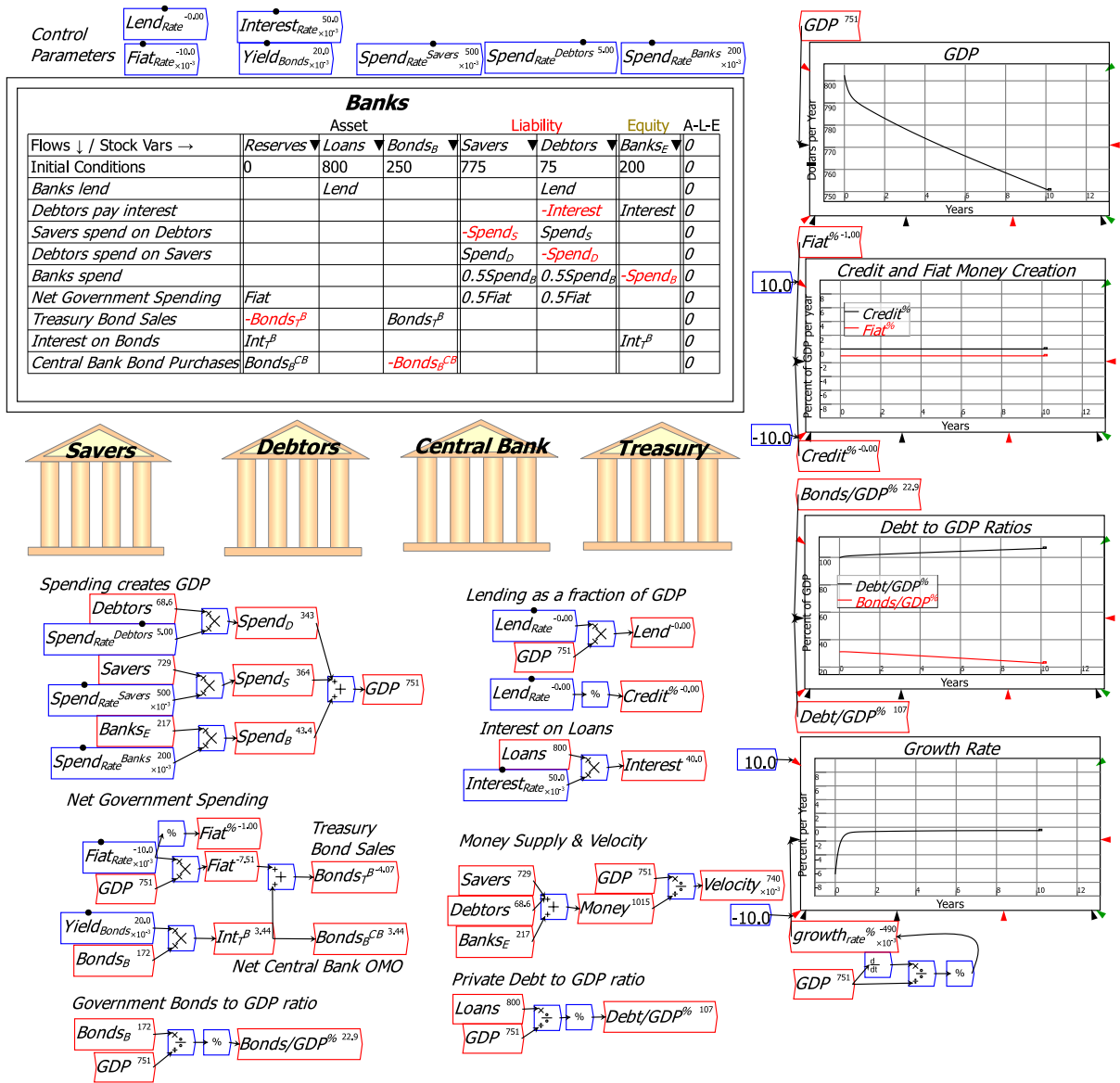


Figure 19

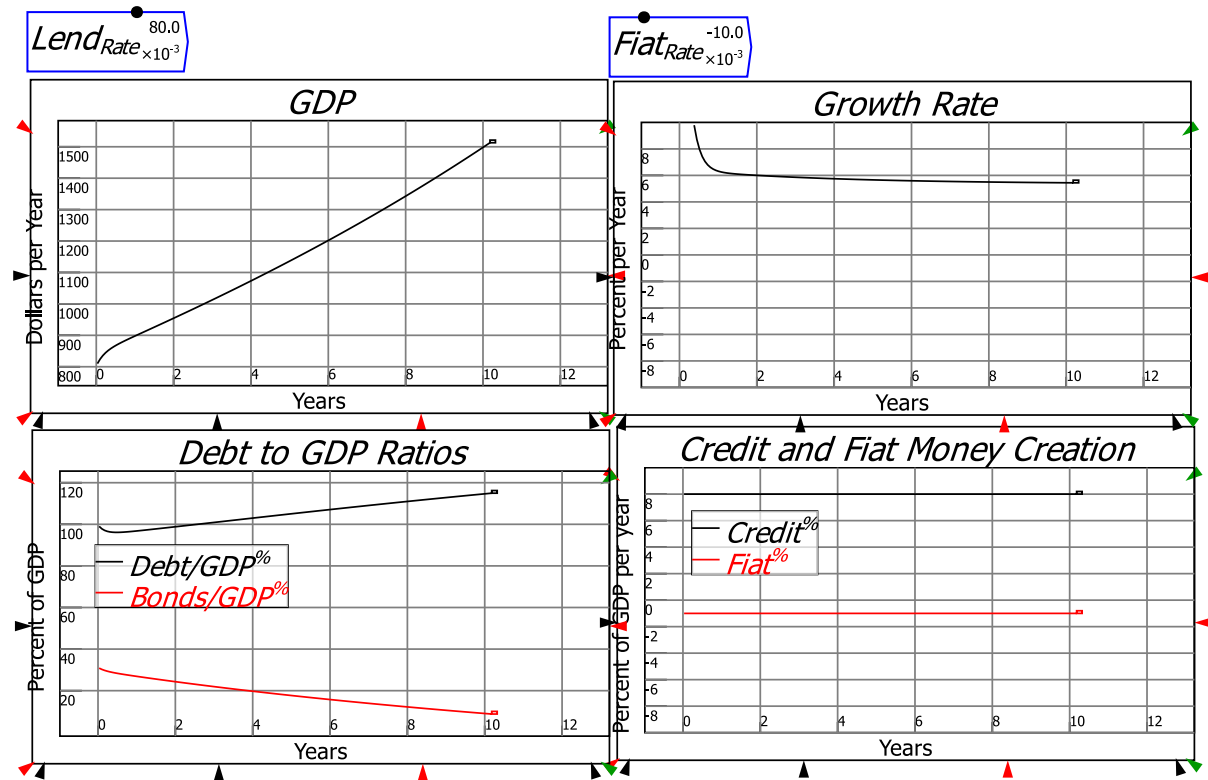


Figure 20

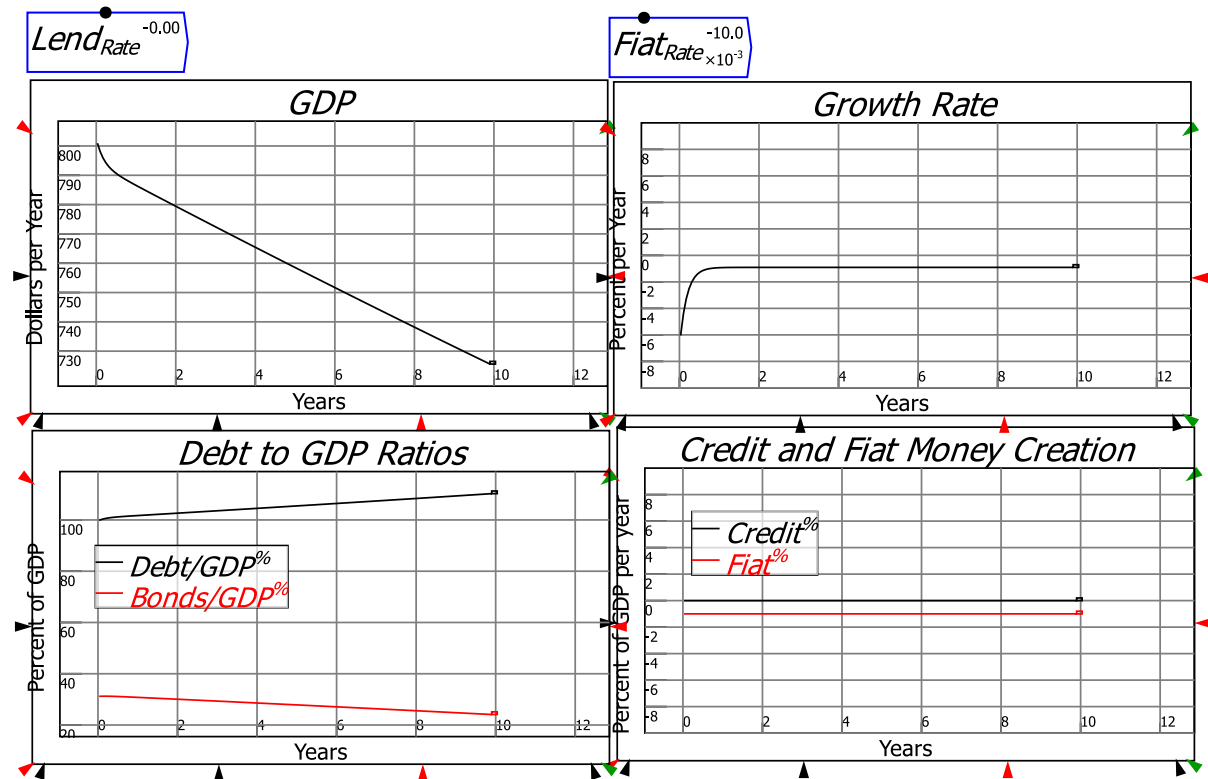


Figure 21

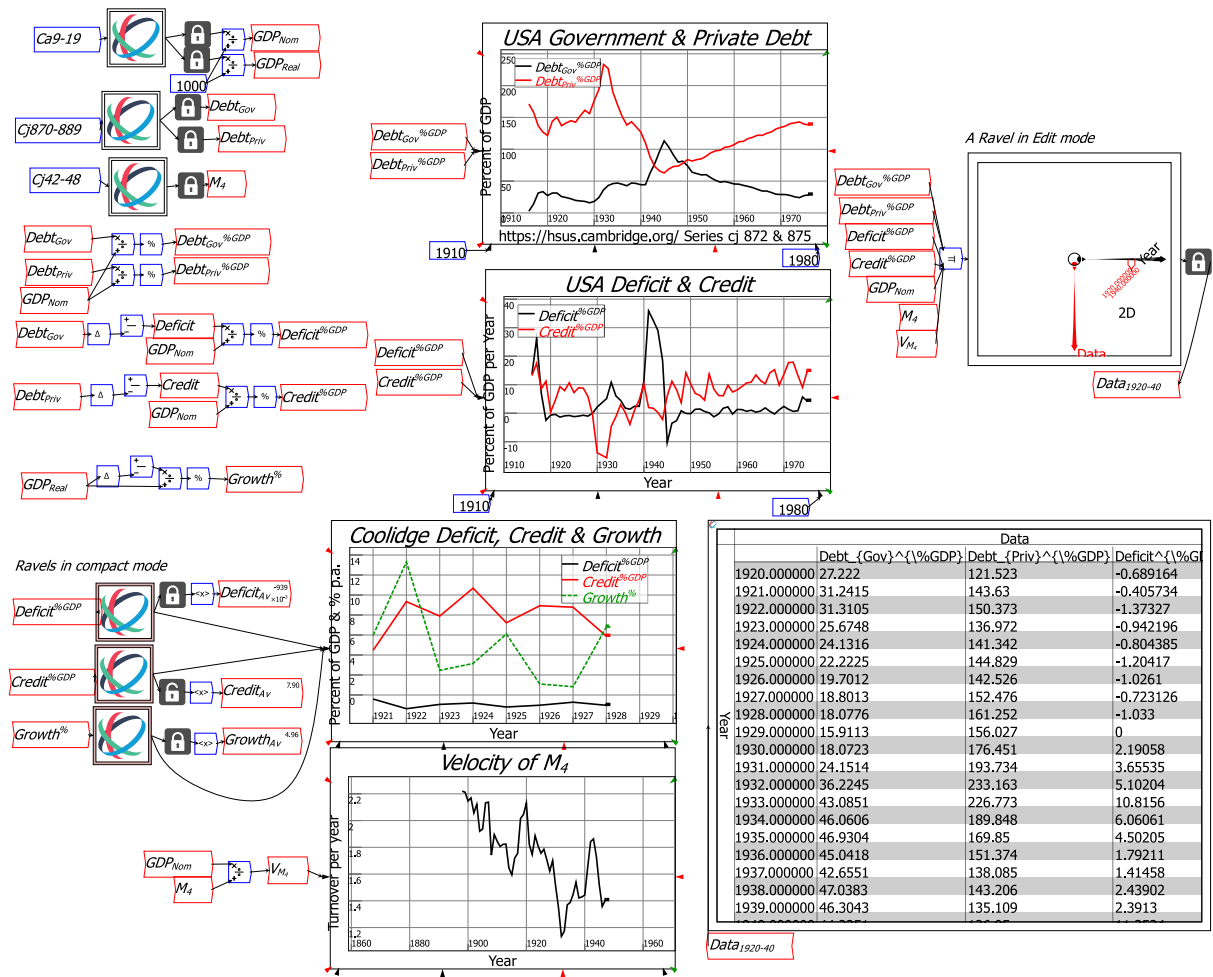


Figure 22

Banking Sector							
Flows ↓ / Stock Vars →	Asset			Liability	Equity	A-L-E	
	Reserves	Bonds _B	Loans	Vault _{Cash}	Deposits	Banks _E	0
Initial Conditions	100	500	0	100	600	100	0
Get Reserves	$Bond_{Sale}^{B \rightarrow CB}$	$-Bond_{Sale}^{B \rightarrow CB}$					0
Convert Reserves to Cash	$-Convert$			Convert			0
Banks lend cash			Lend _{Cash}	$-Lend_{Cash}$			0
Pay Interest					$-Interest$	Interest	0
Customers deposit cash				Deposit	Deposit		0

Private Sector					
Flows ↓ / Stock Vars →	Asset		Liability	Equity	A-L-E
	Deposits	Cash	Loans	Private _E	0
Initial Conditions	600	100	0	700	0
Customers deposit cash	Deposit	$-Deposit$			0
Pay Interest		$-Interest$		$-Interest$	0
Banks lend cash		Lend _{Cash}	Lend _{Cash}		0

Central Bank							
Flows ↓ / Stock Vars →	Asset			Liability		Equity	A-L-E
	Bonds _{CB}	Reserves	Vault _{Cash}	Cash	CRF	CB _E	0
Initial Conditions	500	100	100	100	200	0	0
Get Reserves	$Bond_{Sale}^{B \rightarrow CB}$	$Bond_{Sale}^{B \rightarrow CB}$					0
Convert Reserves to Cash		$-Convert$	Convert				0
Customers deposit cash			Deposit	$-Deposit$			0
Banks lend cash			$-Lend_{Cash}$	Lend _{Cash}			0

Treasury						
Flows ↓ / Stock Vars →	Asset		Liability		Equity	A-L-E
	CRF	Bonds _B	Bonds _{CB}	Treasury _E	0	
Initial Conditions	200	500	500	-800	0	
Get Reserves		$-Bond_{Sale}^{B \rightarrow CB}$	$Bond_{Sale}^{B \rightarrow CB}$		0	