Chargement de la configuration de la tontine... Création de l'état initial de la tontine... Démarrage de la simulation...

TONTINE SIMULATION STARTED

Tontine Configuration

Parameter	Value
num_participants_start num_partipiants_min monthly_contrib monthly_interest_rate arrival_probability cycle_duration_months max_cycles emergency_fund_percentage max_loan_amount late_payment_penalty max_simultaneous_loans min_membership_months monthly distribution percentage	10 1 100.0 0.02 0.15 12 5 0.1 1000.0 0.05 2 3

Participant Configuration

Parameter	Value

=== INITIAL PARTICIPANTS STATE === === DETAILED PARTICIPANT STATES ===

Active Participants

ID	Name	Status	Contributions	Distributions	Current Debt	Credit Score	Default
P001	Participant 1	ACTIVE	\$0.00	\$0.00	\$0.00	1.0%	5.0%
P002	Participant 2	ACTIVE	\$0.00	\$0.00	\$0.00	5.0%	10.0%
P003	Participant 3	ACTIVE	\$0.00	\$0.00	\$0.00	2.0%	15.0%
P004	Participant 4	ACTIVE	\$0.00	\$0.00	\$0.00	7.0%	8.0%
P005	Participant 5	ACTIVE	\$0.00	\$0.00	\$0.00	3.0%	12.0%
P006	Participant 6	ACTIVE	\$0.00	\$0.00	\$0.00	6.0%	18.0%
P007	Participant 7	ACTIVE	\$0.00	\$0.00	\$0.00	1.0%	6.0%
P008	Participant 8	ACTIVE	\$0.00	\$0.00	\$0.00	4.0%	10.0%
P009	Participant 9	ACTIVE	\$0.00	\$0.00	\$0.00	8.0%	20.0%
P010	Participant 10	ACTIVE	\$0.00	\$0.00	\$0.00	2.0%	3.0%

```
0% 0:00:00Monthly Distribution - Month 1
Running simulation... -
Running simulation... -
                                                                0% 0:00:00Participant Participant 1 (P001) rec
Running simulation...
                                                                0% 0:00:00Total received to date: $405.00
Running simulation... -
                                                                0% 0:00:00
□[2K
Running simulation...
                                                                0% 0:00:00 _
  TONTINE STATE - MONTH 1 (CYCLE 1, MONTH 2)
Running simulation... -
                                                                0% 0:00:00
□[2K
Running simulation... -
                                                                0% 0:00:00
 Beneficiary: Participant 1
  Defaults: Participant 4
 Total Collected: $900.00
 Total Debt Refunded: $0.00
                                                                0% 0:00:00
Running simulation... -
□[2K
Running simulation... —
                                                                0% 0:00:00Monthly Distribution - Month 3
Running simulation...
                                                                0% 0:00:00Participant Participant 2 (P002) rec
```

| Beneficiary: Participant 6

```
Defaults: None
 Total Collected: $1000.00
 Total Debt Refunded: $0.00
Running simulation... —
                                                         0% 0:00:00
□[2K
                                                          0% 0:00:00Monthly Distribution - Month 1
Running simulation... ——
Running simulation...
                                                          0% 0:00:00Participant Participant 7 (P007) rec
                                                          0% 0:00:00Total received to date: $405.00
Running simulation... -
                                                         0% 0:00:00
□[2K
Running simulation... -
                                                          0% 0:00:00
  TONTINE STATE - MONTH 7 (CYCLE 1, MONTH 2)
Running simulation... -
                                                          0% 0:00:00
∏[2K
                                    Running simulation... -
 Beneficiary: Participant 7
 Defaults: Participant 9
 Total Collected: $900.00
 Total Debt Refunded: $0.00
                                                          0% 0:00:00
Running simulation... -
□[2K
Running simulation...
Running simulation...
                                                          0% 0:00:00Monthly Distribution - Month 3
                                                          0% 0:00:00Participant Participant 8 (P008) rec
Running simulation...
                                                          0% 0:00:00Total received to date: $450.00
Running simulation... -
                                                          0% 0:00:00
□[2K
                                                          0% 0:00:00
Running simulation... -
  TONTINE STATE - MONTH 8 (CYCLE 1, MONTH 4)
Running simulation... —
                                                          0% 0:00:00
∏[2K
Running simulation... -
                                                          0% 0:00:00
 Beneficiary: Participant 8
 Defaults: None
 Total Collected: $1000.00
 Total Debt Refunded: $0.00
Running simulation...
                                                          0% 0:00:00
□[2K
Running simulation...
                                                          0% 0:00:00Monthly Distribution - Month 5
                                                          0% 0:00:00Participant Participant 9 (P009) rec
Running simulation... -
                                                          0% 0:00:00Total received to date: $450.00
Running simulation... -
                                                          0% 0:00:00
□[2K
Running simulation... -
                                                          0% 0:00:00
  TONTINE STATE - MONTH 9 (CYCLE 1, MONTH 6)
Running simulation... -
                                                         0% 0:00:00
□[2K
                                                         0% 0:00:00
Running simulation... -
 Beneficiary: Participant 9
 Defaults: None
 Total Collected: $1000.00
 Total Debt Refunded: $0.00
Running simulation... —
                                                          0% 0:00:00
∏[2K
0% 0:00:00Monthly Distribution - Month 7
                                                          0% 0:00:00Participant Participant 10 (P010) re
                                                          0% 0:00:00Total received to date: $450.00
Running simulation...
                                                          0% 0:00:00
Running simulation... -
□[2K
Running simulation... -
                                                          0% 0:00:00
 TONTINE STATE - MONTH 10 (CYCLE 1, MONTH 8)
Running simulation...
                                                          0% 0:00:00
                                                         0% 0:00:00
Running simulation... —
 Beneficiary: Participant 10
 Defaults: None
 Total Collected: $1000.00
 Total Debt Refunded: $0.00
Running simulation... -
□[2K
Running simulation... -
                                                          0% 0:00:00Monthly Distribution - Month 9
Running simulation... ——
                                                          0% 0:00:00Participant Participant 1 (P001) rec
                                                          0% 0:00:00Total received to date: $855.00
Running simulation... -
                                                          0% 0:00:00
Running simulation... -
```

```
26/03/2025 00:42
                                                      example simulation output.html
 ∏[2K
                                                                   0% 0:00:00
 Running simulation... —
    TONTINE STATE - MONTH 11 (CYCLE 1, MONTH 10)
 Running simulation... —
                                                                   0% 0:00:00
 □[2K
 Running simulation... •
                                                                   0% 0:00:00 _
   Beneficiary: Participant 1
   Defaults: None
   Total Collected: $1000.00
   Total Debt Refunded: $0.00
                                                                   0% 0:00:00
 Running simulation... -
 □[2K
 Running simulation... — Running simulation... —
                                                                   0% 0:00:00Monthly Distribution - Month 11
                                                                   0% 0:00:00Participant Participant 7 (P007) rec
 Running simulation... -
                                                                   0% 0:00:00Total received to date: $855.00
 Running simulation... -
                                                                   0% 0:00:00
 ∏[2K
 Running simulation...
                                                                   0% 0:00:00
   TONTINE STATE - MONTH 12 (CYCLE 1, MONTH 12)
 Running simulation... -
                                                                   0% 0:00:00
 □[2K
 Running simulation... -
                                                                   0% 0:00:00
   Beneficiary: Participant 7
   Defaults: None
   Total Collected: $1000.00
   Total Debt Refunded: $0.00
 Running simulation... —
                                                                   0% 0:00:00
 □[2K
 Running simulation... —
                                                                   0% 0:00:00=== CYCLE SUMMARY ===
 Running simulation...
                                                                   0\% 0\!:\!00\!:\!00\text{No} participants exited this cycle.
 Running simulation... —
                                                                   0% 0:00:00New Members Arrived: Participant 11,
 Running simulation... -
                                                                   0% 0:00:00
 [[2K"
 Running simulation...
                                                                   0% 0:00:00=== CYCLE END PARTICIPANTS STATE ===
                                                                   0% 0:00:00=== DETAILED PARTICIPANT STATES ===
 Running simulation... —
                                                                   0% 0:00:00
 Running simulation...
```

ID	Name	Status	Contributions	Distributions	Current Debt	Credit Score	Default Ris
1173f068	Participant 13	ACTIVE	\$0.00	\$0.00	\$0.00	6.0%	18.0%
4097d9b0	Participant 11	ACTIVE	\$0.00	\$0.00	\$0.00	3.0%	12.0%
9a84a905	Participant 12	ACTIVE	\$0.00	\$0.00	\$0.00	7.0%	8.0%
P001	Participant 1	ACTIVE	\$1200.00	\$855.00	\$594.95	1.0%	5.0%
P002	Participant 2	ACTIVE	\$1200.00	\$450.00	\$414.89	5.0%	10.0%
P003	Participant 3	ACTIVE	\$1200.00	\$450.00	\$1026.50	2.0%	15.0%
P004	Participant 4	ACTIVE	\$1100.00	\$450.00	\$1102.87	7.0%	8.0%
P005	Participant 5	ACTIVE	\$1200.00	\$450.00	\$0.00	3.0%	12.0%
P006	Participant 6	ACTIVE	\$1200.00	\$450.00	\$0.00	6.0%	18.0%
P007	Participant 7	ACTIVE	\$1200.00	\$855.00	\$0.00	1.0%	6.0%
P008	Participant 8	ACTIVE	\$1200.00	\$450.00	\$0.00	4.0%	10.0%
P009	Participant 9	ACTIVE	\$1100.00	\$450.00	\$499.80	8.0%	20.0%
P010	Participant 10	ACTIVE	\$1200.00	\$450.00	\$0.00	2.0%	3.0%
b1cefae1	Participant 14	ACTIVE	\$0.00	\$0.00	\$0.00	6.0%	18.0%

```
Running simulation... —
                                                             0% 0:00:00
□[2K
                                                              0% 0:00:00Monthly Distribution - Month 1
Running simulation... —
```

44% 0:00:00

Month 16/36 —

```
Beneficiary: Participant 2
 Defaults: None
 Total Collected: $1400.00
 Total Debt Refunded: $0.00
                                              44% 0:00:00
Month 16/36 -
∏[2K
Month 16/36 -
                                               -- 44% 0:00:00Monthly Distribution - Month 11
Month 16/36
                                                   44% 0:00:00Participant Participant 3 (P003) received $585
Month 16/36
                                                  44% 0:00:00Total received to date: $1035.00
Month 16/36
                                                 - 44% 0:00:00
□[2K
Month 16/36 -
                                                 - 44% 0:00:00 —
  TONTINE STATE - MONTH 18 (CYCLE 2, MONTH 12)
Month 16/36 -
                                               44% 0:00:00
∏[2K
                                            44% 0:00:00
Month 16/36 -
 Beneficiary: Participant 3
 Defaults: Participant 3
 Total Collected: $1300.00
 Total Debt Refunded: $0.00
                                          44% 0:00:00
Month 16/36 —
∏[2K
                                               - 44% 0:00:00Monthly Distribution - Month 1
Month 16/36 -
                                       44% 0:00:00Participant Participant 4 (P004) received $630
Month 16/36
Month 16/36
                                             44% 0:00:00Total received to date: $1080.00
                                             44% 0:00:00
Month 16/36 -
□[2K
                                                — 44% 0:00:00 —
Month 16/36 -
  TONTINE STATE - MONTH 19 (CYCLE 2, MONTH 2)
Month 16/36 -
                                                — 44% 0:00:00
□[2K
Month 16/36 -
                                         44% 0:00:00
 Beneficiary: Participant 4
 Defaults: None
 Total Collected: $1400.00
 Total Debt Refunded: $0.00
                                              44% 0:00:00
Month 16/36 -
□[2K
                                         44% 0:00:00Monthly Distribution - Month 3
44% 0:00:00Participant Participant 5 (P005) received $630
Month 16/36 -
Month 16/36 -
Month 16/36
                                                   44% 0:00:00Total received to date: $1080.00
Month 16/36 -
                                                   44% 0:00:00
□[2K
                                                 - 44% 0:00:00 —
Month 16/36 -
  TONTINE STATE - MONTH 20 (CYCLE 2, MONTH 4)
Month 16/36 -
                                                 44% 0:00:00
□[2K
Month 16/36 -
                                                — 44% 0:00:00 —
 Beneficiary: Participant 5
 Defaults: None
 Total Collected: $1400.00
 Total Debt Refunded: $0.00
                                            44% 0:00:00
Month 16/36 -
□[2K
Month 16/36 -
                                                — 44% 0:00:00Monthly Distribution - Month 5
                                         44% 0:00:00Participant Participant 6 (P006) received $585
Month 16/36 ----
                                              44% 0:00:00Total received to date: $1035.00
Month 16/36 -
                                      44% 0:00:00
Month 16/36 -
□[2K
                                                 - 44% 0:00:00 —
Month 16/36 -
  TONTINE STATE - MONTH 21 (CYCLE 2, MONTH 6)
                                               -- 44% 0:00:00
Month 16/36 -
∏[2K
                                         44% 0:00:00
Month 16/36 -
 Beneficiary: Participant 6
 Defaults: Participant 6
 Total Collected: $1300.00
 Total Debt Refunded: $0.00
                                              44% 0:00:00
Month 16/36 -
□[2K
Month 16/36 -
                                                  44% 0:00:00Monthly Distribution - Month 7
Month 16/36 -
                                                 44% 0:00:00Participant Participant 8 (P008) received $540
                                             44% 0:00:00Total received to date: $990.00
```

ACTIVE

ACTIVE

ACTIVE

\$2400.00

\$2200.00

\$2200.00

\$1080.00

\$1035.00

\$1080.00

\$319.93

\$1143.62

\$1011.14

5.0%

2.0%

7.0%

Participant 2

Participant 3

Participant 4

P002

P003

P004

10.0%

15.0%

8.0%

1	. <u> </u>	ı	· I	I		I	1
P005	Participant 5	ACTIVE	\$2400.00	\$1080.00	\$778.85	3.0%	12.0%
P006	Participant 6	ACTIVE	\$2300.00	\$1035.00	\$410.47	6.0%	18.0%
P007	Participant 7	ACTIVE	\$2400.00	\$855.00	\$0.00	1.0%	6.0%
P008	Participant 8	ACTIVE	\$2400.00	\$990.00	\$1101.39	4.0%	10.0%
P009	Participant 9	ACTIVE	\$2300.00	\$1080.00	\$952.97	8.0%	20.0%
P010	Participant 10	ACTIVE	\$2400.00	\$1080.00	\$656.99	2.0%	3.0%
b1cefae1	Participant 14	ACTIVE	\$1100.00	\$585.00	\$1870.23	6.0%	18.0%
b2783000	Participant 17	ACTIVE	\$0.00	\$0.00	\$0.00	3.0%	12.0%
d9d51b31	Participant 16	ACTIVE	\$0.00	\$0.00	\$0.00	3.0%	12.0%
e0d93289	Participant 15	ACTIVE	\$0.00	\$0.00	\$0.00	2.0%	3.0%
Month 16/36 Month 16/36 [2K Month 16/36 [2K Month 16/36 [2K Month 16/36 Beneficia Defaults: Total Col Total Deb Month 16/36 Month 16/36 Month 16/36 Month 16/36 Month 16/36 [2K Month 16/36 Month 16/36 [2K Month 16/36 [12K M	ry: Participant : None lected: \$1700.00 t Refunded: \$0.00 STATE - MONTH 26 ry: Participant : Participant 5 lected: \$1600.00 t Refunded: \$0.00	(CYCLE 3	, MONTH 2)	44% 0:00:00Tota 44% 0:00:00 44% 0:00:00 44% 0:00:00 44% 0:00:00 44% 0:00:00 44% 0:00:00Par 44% 0:00:00 44% 0:00:00 44% 0:00:00 44% 0:00:00 44% 0:00:00	thly Distributi ticipant Partic	on - Month 3 ipant 16 (d9d5) date: \$720.00	lb31) received
□[2K Month 16/36 Month 16/36 Month 16/36 □[2K Month 16/36 □ TONTINE Month 16/36 □[2K Month 16/36 □[2K Month 16/36 □[2K Month 16/36 □[2K Tontine	STATE - MONTH 27	(CYCLE 3	, MONTH 6)	44% 0:00:00 Mon 44% 0:00:00 Par 44% 0:00:00 Tota 44% 0:00:00	al received to	date: \$765.00	

89% 0:00:00

89% 0:00:00=== DETAILED PARTICIPANT STATES ===

ID	Name	Status	Contributions	Distributions	Current Debt	Credit Score	 Default Ris
1173f068	Participant 13	ACTIVE	\$2300.00	\$1305.00	\$701.60	6.0%	18.0%
32408854	Participant 20	ACTIVE	\$0.00	\$0.00	\$0.00	7.0%	8.0%
4097d9b0	Participant 11	ACTIVE	\$2200.00	\$1305.00	\$419.72	3.0%	12.0%
88821bf1	Participant 18	ACTIVE	\$0.00	\$0.00	\$0.00	7.0%	8.0%
9a84a905	Participant 12	ACTIVE	\$2300.00	\$1170.00	\$0.00	7.0%	8.0%
P001	Participant 1	ACTIVE	\$3600.00	\$1575.00	\$748.81	1.0%	5.0%
P002	Participant 2	ACTIVE	\$3300.00	\$1080.00	\$1241.56	5.0%	10.0%
P003	Participant 3	ACTIVE	\$3400.00	\$1035.00	\$916.49	2.0%	15.0%
P004	Participant 4	ACTIVE	\$3100.00	\$1080.00	\$1035.55	7.0%	8.0%
P005	Participant 5	ACTIVE	\$3500.00	\$1080.00	\$752.87	3.0%	12.0%
P006	Participant 6	ACTIVE	\$3400.00	\$1035.00	\$1231.21	6.0%	18.0%
P007	Participant 7	ACTIVE	\$3600.00	\$1440.00	\$680.53	1.0%	6.0%
P008	Participant 8	ACTIVE	\$3500.00	\$990.00	\$1002.09	4.0%	10.0%
P009	Participant 9	ACTIVE	\$3300.00	\$1080.00	\$1193.47	8.0%	20.0%
P010	Participant 10	ACTIVE	\$3500.00	\$1080.00	\$989.80	2.0%	3.0%
b1cefae1	Participant 14	ACTIVE	\$2200.00	\$1350.00	\$2007.64	6.0%	18.0%
b2783000	Participant 17	ACTIVE	\$1000.00	\$1485.00	\$891.90	3.0%	12.0%
c7cc1933	Participant 19	ACTIVE	\$0.00	\$0.00	\$0.00	5.0%	10.0%
d9d51b31	Participant 16	ACTIVE	\$1200.00	\$1395.00	\$1258.05	3.0%	12.0%
e0d93289	Participant 15	ACTIVE	\$1200.00	\$1485.00	\$0.00	2.0%	3.0%

89% 0:00:00

TONTINE SIMULATION COMPLETE

Month 32/36 -

Month 32/36 -

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Month 32/36

Month 32/36

Final Tontine Statistics

Metric	Value

26/03/2025 00:42

Final Treasury Balance Emergency Fund Total Contributions Total Interest Earned	\$10178.84 \$4660.00 \$46600.00 \$1298.51
Default Rate Loan Recovery Rate Final Active Participants Total Historical Participants	8.56% 10.74% 20 20

Full simulation data has been saved to the output directory.