Decentralization Optimization Model Results – Panama

We have run the decentralization optimization model on 11 Dec 2023 with the following parameters:

df_nodes = pd.read_csv('current_nodes_20231211_124820.csv')

df_candidate_nodes = create_candidate_node_dataframe(node_provider ='Bianca-Martina Rohner',
                            data_center ='pc1',
                            data_center_provider ='Navegalo',
                            country = 'PA',
                            is_sev = True,
                            no_nodes = 4)

ObjectiveValue prior to running the model with the above parameters: 16

ObjectiveValue after running the model with the above parameters: 12

Result - Optimal solution found

Objective value: 12.00000000
Enumerated nodes: 0
Total iterations: 0
Time (CPU seconds):   3.89
Time (Wallclock seconds):   4.12

Node Allocations Per Subnet by Node_provider

Model: Minimize_Synthetic_Nodes_By_Diversification_Target
Wall Clock Time: 8.79 sec
Objective Value: 12.00
Total Nakamoto Coefficients: 237.00

Node_providers

Icaria Systems Pty Ltd	Honeycomb Capital (Pty) Ltd	NP23
Karel Frank	Anonstake	NP24
MB Patrankos šūvis	Maksym Ishchenko	NP25
Giant Leaf, LLC	Bohatyrov Volodymyr	NP26
Rivram Inc	ACCUSET SOLUTIONS	NP27
Tomahawk.vc	NoviSystems, LLC	NP28
Wancloud limited	Illusions In Art (Pty) Ltd	NP29
Archery Blockchain SCSp	ANYPOINT PTY LTD	NP30
Allusion	Zondax AG	NP31
Blockchain Development Labs	Geodd Pvt Ltd	NP32
Starbase	Artem Horodyskyi	NP33
9Yards Capital	Ivanov Oleksandr	NP34
Sygnum Bank	Vladyslav Popov	NP35
Fractal Labs AG	Accuset Solutions	NP36
BLP22, LLC	Neptune Partners	NP37
Aggregator: TH Glick	Bianca-Martina Rohner	NP38
Pindar Technology Limited	NP1	NP39
MI Servers	NP2	NP40
DFINITY	NP3	NP41
OneSixtyTwo Digital Capital	NP4	NP42
87m Neuron, LLC	NP5	NP43
Web3game	NP6	NP44
Aggregator: Palnu Logistics	NP7	NP45
Staking Facilities	NP8	NP46
Iancu Aurel	NP9	NP47
BlockTech Ventures, LLC	NP10	NP48
George Bassadone	NP11	NP49
Bigger Capital	NP12	NP50
43rd Big Idea Films	NP13	NP51
Lukas Helebrandt	NP14	NP52
Kontrapunt (Pty) Ltd	NP15	NP53
Virtual Hive Ltd	NP16	NP54
Marc Johnson	NP17	NP55
Power Meta Corporation	NP18	NP56
Marvelous Web3	NP19	NP57
Origin Game	NP20	NP58
InfoObjects	NP21	NP59
Wolkboer (Pty) Ltd	NP22	NP60

Node Allocations Per Subnet by Country

Model: Minimize_Synthetic_Nodes_By_Diversification_Target
Wall Clock Time: 8.79 sec
Objective Value: 12.00
Total Nakamoto Coefficients: 134.00

Countrys

AU
ZA
LT
US
IN
CH
HK
BE
CA
JP
SI
FR
SG
DE
RO
CZ
SE
PT
GE
LV
KR
LK
ES
EE
PL
IN
KR
LK
PA
C1
C2
C3
C4
C5
C6
C7
C8
C9
C10
C11
C12

Node Allocations Per Subnet by Data_center

Model: Minimize_Synthetic_Nodes_By_Diversification_Target

Wall Clock Time: 8.79 sec

Objective Value: 12.00

Total Nakamoto Coefficients: 237.00