Printing results for Randomly selected set # 0

['JNJ Johnson & Johnson', 'MMM 3M', 'MSFT Microsoft', 'DOW Dow Chemical', 'AXP American Express', 'WBA Walgreen', 'UNH UnitedHealth', 'AAPL Apple', 'JPM JPMorgan Chase', 'UTX United Technologies']

Hill Climbing Result:

Stock: JNJ Johnson & Johnson | Ending value with gain: 0.02 | profit: -0.00

Stock: MMM 3M | Ending value with gain: 0.09 | profit: 0.00

Stock: MSFT Microsoft | Ending value with gain: 0.01 | profit: -0.00

Stock: DOW Dow Chemical | Ending value with gain: 0.02 | profit: -0.00

Stock: AXP American Express | Ending value with gain: 0.02 | profit: -0.00

Stock: WBA Walgreen | Ending value with gain: 10059.92 | profit: 60.99

Stock: UNH UnitedHealth | Ending value with gain: 0.02 | profit: -0.00

Stock: AAPL Apple | Ending value with gain: 0.02 | profit: -0.00

Stock: JPM JPMorgan Chase | Ending value with gain: 0.86 | profit: 0.01

Stock: UTX United Technologies | Ending value with gain: 0.01 | profit: -0.00

Total sum of all stocks: 10061.00

Simulated Annealing Results:

Stock: JNJ Johnson & Johnson | Ending value with gain: 251.66 | profit: -0.48

Stock: MMM 3M | Ending value with gain: 1835.68 | profit: 7.86

Stock: MSFT Microsoft | Ending value with gain: 130.43 | profit: -1.72

Stock: DOW Dow Chemical | Ending value with gain: 332.06 | profit: -1.13

Stock: AXP American Express | Ending value with gain: 116.66 | profit: -0.32

Stock: WBA Walgreen | Ending value with gain: 3296.34 | profit: 19.99

Stock: UNH UnitedHealth | Ending value with gain: 108.14 | profit: -0.11

Stock: AAPL Apple | Ending value with gain: 332.53 | profit: -1.64

Stock: JPM JPMorgan Chase | Ending value with gain: 3566.23 | profit: 20.92

Stock: UTX United Technologies | Ending value with gain: 73.03 | profit: -0.61

Total sum of all stocks: 10042.76

TFB Results

Stock: JNJ Johnson & Johnson | Ending value with gain: 998.10 | profit: -1.90

Stock: MMM 3M | Ending value with gain: 1004.30 | profit: 4.30

Stock: MSFT Microsoft | Ending value with gain: 987.00 | profit: -13.00

Stock: DOW Dow Chemical | Ending value with gain: 996.60 | profit: -3.40

Stock: AXP American Express | Ending value with gain: 997.30 | profit: -2.70

Stock: WBA Walgreen | Ending value with gain: 1006.10 | profit: 6.10

Stock: UNH UnitedHealth | Ending value with gain: 999.00 | profit: -1.00

Stock: AAPL Apple | Ending value with gain: 995.10 | profit: -4.90

Stock: JPM JPMorgan Chase | Ending value with gain: 1005.90 | profit: 5.90

Stock: UTX United Technologies | Ending value with gain: 991.70 | profit: -8.30

Total sum of all stocks: 9981.10

Printing results for Randomly selected set # 0

['JNJ Johnson & Johnson', 'MMM 3M', 'MSFT Microsoft', 'DOW Dow Chemical', 'AXP American Express', 'WBA Walgreen', 'UNH UnitedHealth', 'AAPL Apple', 'JPM JPMorgan Chase', 'UTX United Technologies']

Hill Climbing Result:

Stock: JNJ Johnson & Johnson | Ending value with gain: 0.02 | profit: -0.00

Stock: MMM 3M | Ending value with gain: 0.09 | profit: 0.00

Stock: MSFT Microsoft | Ending value with gain: 0.01 | profit: -0.00

Stock: DOW Dow Chemical | Ending value with gain: 0.02 | profit: -0.00

Stock: AXP American Express | Ending value with gain: 0.02 | profit: -0.00

Stock: WBA Walgreen | Ending value with gain: 10059.92 | profit: 60.99

Stock: UNH UnitedHealth | Ending value with gain: 0.02 | profit: -0.00

Stock: AAPL Apple | Ending value with gain: 0.02 | profit: -0.00

Stock: JPM JPMorgan Chase | Ending value with gain: 0.86 | profit: 0.01

Stock: UTX United Technologies | Ending value with gain: 0.01 | profit: -0.00

Total sum of all stocks: 10061.00

Simulated Annealing Results:

Stock: JNJ Johnson & Johnson | Ending value with gain: 542.14 | profit: -1.03

Stock: MMM 3M | Ending value with gain: 1614.40 | profit: 6.91

Stock: MSFT Microsoft | Ending value with gain: 117.03 | profit: -1.54

Stock: DOW Dow Chemical | Ending value with gain: 189.79 | profit: -0.65

Stock: AXP American Express | Ending value with gain: 116.62 | profit: -0.32

Stock: WBA Walgreen | Ending value with gain: 3756.62 | profit: 22.78

Stock: UNH UnitedHealth | Ending value with gain: 388.21 | profit: -0.39

Stock: AAPL Apple | Ending value with gain: 291.57 | profit: -1.44

Stock: JPM JPMorgan Chase | Ending value with gain: 2922.09 | profit: 17.14

Stock: UTX United Technologies | Ending value with gain: 102.13 | profit: -0.85

Total sum of all stocks: 10040.61

TFB Results

Stock: JNJ Johnson & Johnson | Ending value with gain: 998.10 | profit: -1.90

Stock: MMM 3M | Ending value with gain: 1004.30 | profit: 4.30

Stock: MSFT Microsoft | Ending value with gain: 987.00 | profit: -13.00

Stock: DOW Dow Chemical | Ending value with gain: 996.60 | profit: -3.40

Stock: AXP American Express | Ending value with gain: 997.30 | profit: -2.70

Stock: WBA Walgreen | Ending value with gain: 1006.10 | profit: 6.10

Stock: UNH UnitedHealth | Ending value with gain: 999.00 | profit: -1.00

Stock: AAPL Apple | Ending value with gain: 995.10 | profit: -4.90

Stock: JPM JPMorgan Chase | Ending value with gain: 1005.90 | profit: 5.90

Stock: UTX United Technologies | Ending value with gain: 991.70 | profit: -8.30

Total sum of all stocks: 9981.10

Printing results for Randomly selected set # 1

['KO Coca-Cola', 'DIS Disney', 'WBA Walgreen', "MCD McDonald's", 'UNH UnitedHealth', 'WMT Wal-Mart', 'JNJ Johnson & Johnson', 'AAPL Apple', 'UTX United Technologies', 'AXP American Express']

Hill Climbing Result:

Stock: KO Coca-Cola | Ending value with gain: 0.02 | profit: -0.00

Stock: DIS Disney | Ending value with gain: 0.01 | profit: -0.00

Stock: WBA Walgreen | Ending value with gain: 10060.82 | profit: 61.00

Stock: MCD McDonald's | Ending value with gain: 0.04 | profit: 0.00

Stock: UNH UnitedHealth | Ending value with gain: 0.02 | profit: -0.00

Stock: WMT Wal-Mart | Ending value with gain: 0.03 | profit: 0.00

Stock: JNJ Johnson & Johnson | Ending value with gain: 0.02 | profit: -0.00

Stock: AAPL Apple | Ending value with gain: 0.01 | profit: -0.00

Stock: UTX United Technologies | Ending value with gain: 0.01 | profit: -0.00

Stock: AXP American Express | Ending value with gain: 0.02 | profit: -0.00

Total sum of all stocks: 10061.00

Simulated Annealing Results:

Stock: KO Coca-Cola | Ending value with gain: 17.00 | profit: -0.03

Stock: DIS Disney | Ending value with gain: 17.13 | profit: -0.17

Stock: WBA Walgreen | Ending value with gain: 9904.97 | profit: 60.05

Stock: MCD McDonald's | Ending value with gain: 19.71 | profit: 0.05

Stock: UNH UnitedHealth | Ending value with gain: 28.04 | profit: -0.03

Stock: WMT Wal-Mart | Ending value with gain: 10.58 | profit: 0.01

Stock: JNJ Johnson & Johnson | Ending value with gain: 10.99 | profit: -0.02

Stock: AAPL Apple | Ending value with gain: 17.07 | profit: -0.08

Stock: UTX United Technologies | Ending value with gain: 14.76 | profit: -0.12

Stock: AXP American Express | Ending value with gain: 19.37 | profit: -0.05

Total sum of all stocks: 10059.61

TFB Results

Stock: KO Coca-Cola | Ending value with gain: 998.50 | profit: -1.50

Stock: DIS Disney | Ending value with gain: 990.00 | profit: -10.00

Stock: WBA Walgreen | Ending value with gain: 1006.10 | profit: 6.10

Stock: MCD McDonald's | Ending value with gain: 1002.60 | profit: 2.60

Stock: UNH UnitedHealth | Ending value with gain: 999.00 | profit: -1.00

Stock: WMT Wal-Mart | Ending value with gain: 1001.30 | profit: 1.30

Stock: JNJ Johnson & Johnson | Ending value with gain: 998.10 | profit: -1.90

Stock: AAPL Apple | Ending value with gain: 995.10 | profit: -4.90

Stock: UTX United Technologies | Ending value with gain: 991.70 | profit: -8.30

Stock: AXP American Express | Ending value with gain: 997.30 | profit: -2.70

Total sum of all stocks: 9979.70

Printing results for Randomly selected set # 0

['JNJ Johnson & Johnson', 'MMM 3M', 'MSFT Microsoft', 'DOW Dow Chemical', 'AXP American Express', 'WBA Walgreen', 'UNH UnitedHealth', 'AAPL Apple', 'JPM JPMorgan Chase', 'UTX United Technologies']

Hill Climbing Result:

Stock: JNJ Johnson & Johnson | Ending value with gain: 0.02 | profit: -0.00

Stock: MMM 3M | Ending value with gain: 0.09 | profit: 0.00

Stock: MSFT Microsoft | Ending value with gain: 0.01 | profit: -0.00

Stock: DOW Dow Chemical | Ending value with gain: 0.02 | profit: -0.00

Stock: AXP American Express | Ending value with gain: 0.02 | profit: -0.00

Stock: WBA Walgreen | Ending value with gain: 10059.92 | profit: 60.99

Stock: UNH UnitedHealth | Ending value with gain: 0.02 | profit: -0.00

Stock: AAPL Apple | Ending value with gain: 0.02 | profit: -0.00

Stock: JPM JPMorgan Chase | Ending value with gain: 0.86 | profit: 0.01

Stock: UTX United Technologies | Ending value with gain: 0.01 | profit: -0.00

Total sum of all stocks: 10061.00

Simulated Annealing Results:

Stock: JNJ Johnson & Johnson | Ending value with gain: 353.24 | profit: -0.67

Stock: MMM 3M | Ending value with gain: 779.10 | profit: 3.34

Stock: MSFT Microsoft | Ending value with gain: 466.98 | profit: -6.15

Stock: DOW Dow Chemical | Ending value with gain: 195.48 | profit: -0.67

Stock: AXP American Express | Ending value with gain: 230.46 | profit: -0.62

Stock: WBA Walgreen | Ending value with gain: 2624.98 | profit: 15.92

Stock: UNH UnitedHealth | Ending value with gain: 336.83 | profit: -0.34

Stock: AAPL Apple | Ending value with gain: 79.02 | profit: -0.39

Stock: JPM JPMorgan Chase | Ending value with gain: 4706.22 | profit: 27.60

Stock: UTX United Technologies | Ending value with gain: 263.50 | profit: -2.21

Total sum of all stocks: 10035.81

TFB Results

Stock: JNJ Johnson & Johnson | Ending value with gain: 998.10 | profit: -1.90

Stock: MMM 3M | Ending value with gain: 1004.30 | profit: 4.30

Stock: MSFT Microsoft | Ending value with gain: 987.00 | profit: -13.00

Stock: DOW Dow Chemical | Ending value with gain: 996.60 | profit: -3.40

Stock: AXP American Express | Ending value with gain: 997.30 | profit: -2.70

Stock: WBA Walgreen | Ending value with gain: 1006.10 | profit: 6.10

Stock: UNH UnitedHealth | Ending value with gain: 999.00 | profit: -1.00

Stock: AAPL Apple | Ending value with gain: 995.10 | profit: -4.90

Stock: JPM JPMorgan Chase | Ending value with gain: 1005.90 | profit: 5.90

Stock: UTX United Technologies | Ending value with gain: 991.70 | profit: -8.30

Total sum of all stocks: 9981.10

Printing results for Randomly selected set # 1

['KO Coca-Cola', 'DIS Disney', 'WBA Walgreen', "MCD McDonald's", 'UNH UnitedHealth', 'WMT Wal-Mart', 'JNJ Johnson & Johnson', 'AAPL Apple', 'UTX United Technologies', 'AXP American Express']

Hill Climbing Result:

Stock: KO Coca-Cola | Ending value with gain: 0.02 | profit: -0.00

Stock: DIS Disney | Ending value with gain: 0.01 | profit: -0.00

Stock: WBA Walgreen | Ending value with gain: 10060.82 | profit: 61.00

Stock: MCD McDonald's | Ending value with gain: 0.04 | profit: 0.00

Stock: UNH UnitedHealth | Ending value with gain: 0.02 | profit: -0.00

Stock: WMT Wal-Mart | Ending value with gain: 0.03 | profit: 0.00

Stock: JNJ Johnson & Johnson | Ending value with gain: 0.02 | profit: -0.00

Stock: AAPL Apple | Ending value with gain: 0.01 | profit: -0.00

Stock: UTX United Technologies | Ending value with gain: 0.01 | profit: -0.00

Stock: AXP American Express | Ending value with gain: 0.02 | profit: -0.00

Total sum of all stocks: 10061.00

Simulated Annealing Results:

Stock: KO Coca-Cola | Ending value with gain: 47.16 | profit: -0.07

Stock: DIS Disney | Ending value with gain: 37.16 | profit: -0.38

Stock: WBA Walgreen | Ending value with gain: 8899.49 | profit: 53.96

Stock: MCD McDonald's | Ending value with gain: 599.98 | profit: 1.56

Stock: UNH UnitedHealth | Ending value with gain: 40.64 | profit: -0.04

Stock: WMT Wal-Mart | Ending value with gain: 97.52 | profit: 0.13

Stock: JNJ Johnson & Johnson | Ending value with gain: 21.19 | profit: -0.04

Stock: AAPL Apple | Ending value with gain: 81.66 | profit: -0.40

Stock: UTX United Technologies | Ending value with gain: 107.95 | profit: -0.90

Stock: AXP American Express | Ending value with gain: 120.72 | profit: -0.33

Total sum of all stocks: 10053.48

TFB Results

Stock: KO Coca-Cola | Ending value with gain: 998.50 | profit: -1.50

Stock: DIS Disney | Ending value with gain: 990.00 | profit: -10.00

Stock: WBA Walgreen | Ending value with gain: 1006.10 | profit: 6.10

Stock: MCD McDonald's | Ending value with gain: 1002.60 | profit: 2.60

Stock: UNH UnitedHealth | Ending value with gain: 999.00 | profit: -1.00

Stock: WMT Wal-Mart | Ending value with gain: 1001.30 | profit: 1.30

Stock: JNJ Johnson & Johnson | Ending value with gain: 998.10 | profit: -1.90

Stock: AAPL Apple | Ending value with gain: 995.10 | profit: -4.90

Stock: UTX United Technologies | Ending value with gain: 991.70 | profit: -8.30

Stock: AXP American Express | Ending value with gain: 997.30 | profit: -2.70

Total sum of all stocks: 9979.70

Printing results for Randomly selected set # 2

['HD Home Depot', 'INTC Intel', 'CVX Chevron', 'UNH UnitedHealth', 'TRV Travelers Companies Inc', "MCD McDonald's", 'AXP American Express', 'BA Boeing', 'DIS Disney', 'MSFT Microsoft']

Hill Climbing Result:

Stock: HD Home Depot | Ending value with gain: 0.06 | profit: 0.00

Stock: INTC Intel | Ending value with gain: 0.03 | profit: -0.00

Stock: CVX Chevron | Ending value with gain: 0.01 | profit: -0.00

Stock: UNH UnitedHealth | Ending value with gain: 0.04 | profit: -0.00

Stock: TRV Travelers Companies Inc | Ending value with gain: 0.04 | profit: -0.00

Stock: MCD McDonald's | Ending value with gain: 10025.77 | profit: 26.00

Stock: AXP American Express | Ending value with gain: 0.03 | profit: -0.00

Stock: BA Boeing | Ending value with gain: 0.01 | profit: -0.00

Stock: DIS Disney | Ending value with gain: 0.01 | profit: -0.00

Stock: MSFT Microsoft | Ending value with gain: 0.01 | profit: -0.00

Total sum of all stocks: 10026.00

Simulated Annealing Results:

Stock: HD Home Depot | Ending value with gain: 348.71 | profit: 0.10

Stock: INTC Intel | Ending value with gain: 472.92 | profit: -1.28

Stock: CVX Chevron | Ending value with gain: 312.07 | profit: -4.11

Stock: UNH UnitedHealth | Ending value with gain: 669.16 | profit: -0.67

Stock: TRV Travelers Companies Inc | Ending value with gain: 617.51 | profit: -0.43

Stock: MCD McDonald's | Ending value with gain: 6600.43 | profit: 17.12

Stock: AXP American Express | Ending value with gain: 561.46 | profit: -1.52

Stock: BA Boeing | Ending value with gain: 194.14 | profit: -2.04

Stock: DIS Disney | Ending value with gain: 110.22 | profit: -1.11

Stock: MSFT Microsoft | Ending value with gain: 117.87 | profit: -1.55

Total sum of all stocks: 10004.50

TFB Results

Stock: HD Home Depot | Ending value with gain: 1000.30 | profit: 0.30

Stock: INTC Intel | Ending value with gain: 997.30 | profit: -2.70

Stock: CVX Chevron | Ending value with gain: 987.00 | profit: -13.00

Stock: UNH UnitedHealth | Ending value with gain: 999.00 | profit: -1.00

Stock: TRV Travelers Companies Inc | Ending value with gain: 999.30 | profit: -0.70

Stock: MCD McDonald's | Ending value with gain: 1002.60 | profit: 2.60

Stock: AXP American Express | Ending value with gain: 997.30 | profit: -2.70

Stock: BA Boeing | Ending value with gain: 989.60 | profit: -10.40

Stock: DIS Disney | Ending value with gain: 990.00 | profit: -10.00

Stock: MSFT Microsoft | Ending value with gain: 987.00 | profit: -13.00

Total sum of all stocks: 9949.40

Printing results for Randomly selected set # 0

['JNJ Johnson & Johnson', 'MMM 3M', 'MSFT Microsoft', 'DOW Dow Chemical', 'AXP American Express', 'WBA Walgreen', 'UNH UnitedHealth', 'AAPL Apple', 'JPM JPMorgan Chase', 'UTX United Technologies']

Hill Climbing Result:

Stock: JNJ Johnson & Johnson | Ending value with gain: 0.02 | profit: -0.00

Stock: MMM 3M | Ending value with gain: 0.09 | profit: 0.00

Stock: MSFT Microsoft | Ending value with gain: 0.01 | profit: -0.00

Stock: DOW Dow Chemical | Ending value with gain: 0.02 | profit: -0.00

Stock: AXP American Express | Ending value with gain: 0.02 | profit: -0.00

Stock: WBA Walgreen | Ending value with gain: 10059.92 | profit: 60.99

Stock: UNH UnitedHealth | Ending value with gain: 0.02 | profit: -0.00

Stock: AAPL Apple | Ending value with gain: 0.02 | profit: -0.00

Stock: JPM JPMorgan Chase | Ending value with gain: 0.86 | profit: 0.01

Stock: UTX United Technologies | Ending value with gain: 0.01 | profit: -0.00

Total sum of all stocks: 10061.00

Simulated Annealing Results:

Stock: JNJ Johnson & Johnson | Ending value with gain: 993.88 | profit: -1.89

Stock: MMM 3M | Ending value with gain: 1606.95 | profit: 6.88

Stock: MSFT Microsoft | Ending value with gain: 210.02 | profit: -2.77

Stock: DOW Dow Chemical | Ending value with gain: 304.82 | profit: -1.04

Stock: AXP American Express | Ending value with gain: 748.90 | profit: -2.03

Stock: WBA Walgreen | Ending value with gain: 3026.22 | profit: 18.35

Stock: UNH UnitedHealth | Ending value with gain: 314.09 | profit: -0.31

Stock: AAPL Apple | Ending value with gain: 251.30 | profit: -1.24

Stock: JPM JPMorgan Chase | Ending value with gain: 2407.25 | profit: 14.12

Stock: UTX United Technologies | Ending value with gain: 165.27 | profit: -1.38

Total sum of all stocks: 10028.69

TFB Results

Stock: JNJ Johnson & Johnson | Ending value with gain: 998.10 | profit: -1.90

Stock: MMM 3M | Ending value with gain: 1004.30 | profit: 4.30

Stock: MSFT Microsoft | Ending value with gain: 987.00 | profit: -13.00

Stock: DOW Dow Chemical | Ending value with gain: 996.60 | profit: -3.40

Stock: AXP American Express | Ending value with gain: 997.30 | profit: -2.70

Stock: WBA Walgreen | Ending value with gain: 1006.10 | profit: 6.10

Stock: UNH UnitedHealth | Ending value with gain: 999.00 | profit: -1.00

Stock: AAPL Apple | Ending value with gain: 995.10 | profit: -4.90

Stock: JPM JPMorgan Chase | Ending value with gain: 1005.90 | profit: 5.90

Stock: UTX United Technologies | Ending value with gain: 991.70 | profit: -8.30

Total sum of all stocks: 9981.10

Printing results for Randomly selected set # 1

['KO Coca-Cola', 'DIS Disney', 'WBA Walgreen', "MCD McDonald's", 'UNH UnitedHealth', 'WMT Wal-Mart', 'JNJ Johnson & Johnson', 'AAPL Apple', 'UTX United Technologies', 'AXP American Express']

Hill Climbing Result:

Stock: UTX United Technologies | Ending value with gain: 0.01 | profit: -0.00

Stock: MCD McDonald's | Ending value with gain: 0.04 | profit: 0.00

Stock: DIS Disney | Ending value with gain: 0.01 | profit: -0.00

Stock: KO Coca-Cola | Ending value with gain: 0.02 | profit: -0.00

Stock: WMT Wal-Mart | Ending value with gain: 0.03 | profit: 0.00

Stock: AXP American Express | Ending value with gain: 0.02 | profit: -0.00

Stock: AAPL Apple | Ending value with gain: 0.01 | profit: -0.00

Stock: WBA Walgreen | Ending value with gain: 10060.85 | profit: 61.00

Stock: UNH UnitedHealth | Ending value with gain: 0.02 | profit: -0.00

Stock: JNJ Johnson & Johnson | Ending value with gain: 0.00 | profit: -0.00

Total sum of all stocks: 10061.00

Simulated Annealing Results:

Stock: KO Coca-Cola | Ending value with gain: 33.96 | profit: -0.05

Stock: DIS Disney | Ending value with gain: 19.26 | profit: -0.19

Stock: WBA Walgreen | Ending value with gain: 9676.66 | profit: 58.67

Stock: MCD McDonald's | Ending value with gain: 36.70 | profit: 0.10

Stock: UNH UnitedHealth | Ending value with gain: 62.84 | profit: -0.06

Stock: WMT Wal-Mart | Ending value with gain: 40.49 | profit: 0.05

Stock: JNJ Johnson & Johnson | Ending value with gain: 34.62 | profit: -0.07

Stock: AAPL Apple | Ending value with gain: 82.71 | profit: -0.41

Stock: UTX United Technologies | Ending value with gain: 32.64 | profit: -0.27

Stock: AXP American Express | Ending value with gain: 37.79 | profit: -0.10

Total sum of all stocks: 10057.66

TFB Results

Stock: KO Coca-Cola | Ending value with gain: 998.50 | profit: -1.50

Stock: DIS Disney | Ending value with gain: 990.00 | profit: -10.00

Stock: WBA Walgreen | Ending value with gain: 1006.10 | profit: 6.10

Stock: MCD McDonald's | Ending value with gain: 1002.60 | profit: 2.60

Stock: UNH UnitedHealth | Ending value with gain: 999.00 | profit: -1.00

Stock: WMT Wal-Mart | Ending value with gain: 1001.30 | profit: 1.30

Stock: JNJ Johnson & Johnson | Ending value with gain: 998.10 | profit: -1.90

Stock: AAPL Apple | Ending value with gain: 995.10 | profit: -4.90

Stock: UTX United Technologies | Ending value with gain: 991.70 | profit: -8.30

Stock: AXP American Express | Ending value with gain: 997.30 | profit: -2.70

Total sum of all stocks: 9979.70

Printing results for Randomly selected set # 2

['HD Home Depot', 'INTC Intel', 'CVX Chevron', 'UNH UnitedHealth', 'TRV Travelers Companies Inc', "MCD McDonald's", 'AXP American Express', 'BA Boeing', 'DIS Disney', 'MSFT Microsoft']

Hill Climbing Result:

Stock: HD Home Depot | Ending value with gain: 0.06 | profit: 0.00

Stock: INTC Intel | Ending value with gain: 0.03 | profit: -0.00

Stock: CVX Chevron | Ending value with gain: 0.01 | profit: -0.00

Stock: UNH UnitedHealth | Ending value with gain: 0.04 | profit: -0.00

Stock: TRV Travelers Companies Inc | Ending value with gain: 0.04 | profit: -0.00

Stock: MCD McDonald's | Ending value with gain: 10025.77 | profit: 26.00

Stock: AXP American Express | Ending value with gain: 0.03 | profit: -0.00

Stock: BA Boeing | Ending value with gain: 0.01 | profit: -0.00

Stock: DIS Disney | Ending value with gain: 0.01 | profit: -0.00

Stock: MSFT Microsoft | Ending value with gain: 0.01 | profit: -0.00

Total sum of all stocks: 10026.00

Simulated Annealing Results:

Stock: HD Home Depot | Ending value with gain: 1671.38 | profit: 0.50

Stock: INTC Intel | Ending value with gain: 476.33 | profit: -1.29

Stock: CVX Chevron | Ending value with gain: 251.94 | profit: -3.32

Stock: UNH UnitedHealth | Ending value with gain: 801.68 | profit: -0.80

Stock: TRV Travelers Companies Inc | Ending value with gain: 698.97 | profit: -0.49

Stock: MCD McDonald's | Ending value with gain: 5034.03 | profit: 13.05

Stock: AXP American Express | Ending value with gain: 430.52 | profit: -1.17

Stock: BA Boeing | Ending value with gain: 237.43 | profit: -2.50

Stock: DIS Disney | Ending value with gain: 337.09 | profit: -3.40

Stock: MSFT Microsoft | Ending value with gain: 60.44 | profit: -0.80

Total sum of all stocks: 9999.79

TFB Results

Stock: HD Home Depot | Ending value with gain: 1000.30 | profit: 0.30

Stock: INTC Intel | Ending value with gain: 997.30 | profit: -2.70

Stock: CVX Chevron | Ending value with gain: 987.00 | profit: -13.00

Stock: UNH UnitedHealth | Ending value with gain: 999.00 | profit: -1.00

Stock: TRV Travelers Companies Inc | Ending value with gain: 999.30 | profit: -0.70

Stock: MCD McDonald's | Ending value with gain: 1002.60 | profit: 2.60

Stock: AXP American Express | Ending value with gain: 997.30 | profit: -2.70

Stock: BA Boeing | Ending value with gain: 989.60 | profit: -10.40

Stock: DIS Disney | Ending value with gain: 990.00 | profit: -10.00

Stock: MSFT Microsoft | Ending value with gain: 987.00 | profit: -13.00

Total sum of all stocks: 9949.40

Printing results for Randomly selected set # 3

['V Visa', 'DIS Disney', 'MMM 3M', 'KO Coca-Cola', 'BA Boeing', 'AXP American Express', 'PFE Pfizer', 'PG Procter & Gamble', 'CVX Chevron', 'INTC Intel']

Hill Climbing Result:

Stock: V Visa | Ending value with gain: 0.01 | profit: -0.00

Stock: DIS Disney | Ending value with gain: 0.01 | profit: -0.00

Stock: MMM 3M | Ending value with gain: 0.03 | profit: 0.00

Stock: KO Coca-Cola | Ending value with gain: 0.02 | profit: -0.00

Stock: BA Boeing | Ending value with gain: 0.01 | profit: -0.00

Stock: AXP American Express | Ending value with gain: 0.01 | profit: -0.00

Stock: PFE Pfizer | Ending value with gain: 10122.87 | profit: 123.00

Stock: PG Procter & Gamble | Ending value with gain: 0.02 | profit: 0.00

Stock: CVX Chevron | Ending value with gain: 0.01 | profit: -0.00

Stock: INTC Intel | Ending value with gain: 0.01 | profit: -0.00

Total sum of all stocks: 10123.00

Simulated Annealing Results:

Stock: V Visa | Ending value with gain: 0.00 | profit: -0.00

Stock: DIS Disney | Ending value with gain: 0.00 | profit: -0.00

Stock: MMM 3M | Ending value with gain: 0.00 | profit: 0.00

Stock: KO Coca-Cola | Ending value with gain: 0.00 | profit: -0.00

Stock: BA Boeing | Ending value with gain: 0.00 | profit: -0.00

Stock: AXP American Express | Ending value with gain: 0.00 | profit: -0.00

Stock: PFE Pfizer | Ending value with gain: 10122.99 | profit: 123.00

Stock: PG Procter & Gamble | Ending value with gain: 0.00 | profit: 0.00

Stock: CVX Chevron | Ending value with gain: 0.00 | profit: -0.00

Stock: INTC Intel | Ending value with gain: 0.00 | profit: -0.00

Total sum of all stocks: 10123.00

TFB Results

Stock: V Visa | Ending value with gain: 990.60 | profit: -9.40

Stock: DIS Disney | Ending value with gain: 990.00 | profit: -10.00

Stock: MMM 3M | Ending value with gain: 1004.30 | profit: 4.30

Stock: KO Coca-Cola | Ending value with gain: 998.50 | profit: -1.50

Stock: BA Boeing | Ending value with gain: 989.60 | profit: -10.40

Stock: AXP American Express | Ending value with gain: 997.30 | profit: -2.70

Stock: PFE Pfizer | Ending value with gain: 1012.30 | profit: 12.30

Stock: PG Procter & Gamble | Ending value with gain: 1002.10 | profit: 2.10

Stock: CVX Chevron | Ending value with gain: 987.00 | profit: -13.00

Stock: INTC Intel | Ending value with gain: 997.30 | profit: -2.70

Total sum of all stocks: 9969.00

Printing results for Randomly selected set # 0

['JNJ Johnson & Johnson', 'MMM 3M', 'MSFT Microsoft', 'DOW Dow Chemical', 'AXP American Express', 'WBA Walgreen', 'UNH UnitedHealth', 'AAPL Apple', 'JPM JPMorgan Chase', 'UTX United Technologies']

Hill Climbing Result:

Stock: JNJ Johnson & Johnson | Ending value with gain: 0.02 | profit: -0.00

Stock: MMM 3M | Ending value with gain: 0.09 | profit: 0.00

Stock: MSFT Microsoft | Ending value with gain: 0.01 | profit: -0.00

Stock: DOW Dow Chemical | Ending value with gain: 0.02 | profit: -0.00

Stock: AXP American Express | Ending value with gain: 0.02 | profit: -0.00

Stock: WBA Walgreen | Ending value with gain: 10059.92 | profit: 60.99

Stock: UNH UnitedHealth | Ending value with gain: 0.02 | profit: -0.00

Stock: AAPL Apple | Ending value with gain: 0.02 | profit: -0.00

Stock: JPM JPMorgan Chase | Ending value with gain: 0.86 | profit: 0.01

Stock: UTX United Technologies | Ending value with gain: 0.01 | profit: -0.00

Total sum of all stocks: 10061.00

Simulated Annealing Results:

Stock: JNJ Johnson & Johnson | Ending value with gain: 284.72 | profit: -0.54

Stock: MMM 3M | Ending value with gain: 672.26 | profit: 2.88

Stock: MSFT Microsoft | Ending value with gain: 110.88 | profit: -1.46

Stock: DOW Dow Chemical | Ending value with gain: 292.89 | profit: -1.00

Stock: AXP American Express | Ending value with gain: 530.13 | profit: -1.44

Stock: WBA Walgreen | Ending value with gain: 5080.54 | profit: 30.80

Stock: UNH UnitedHealth | Ending value with gain: 520.79 | profit: -0.52

Stock: AAPL Apple | Ending value with gain: 527.90 | profit: -2.60

Stock: JPM JPMorgan Chase | Ending value with gain: 1735.48 | profit: 10.18

Stock: UTX United Technologies | Ending value with gain: 278.38 | profit: -2.33

Total sum of all stocks: 10033.97

TFB Results

Stock: JNJ Johnson & Johnson | Ending value with gain: 998.10 | profit: -1.90

Stock: MMM 3M | Ending value with gain: 1004.30 | profit: 4.30

Stock: MSFT Microsoft | Ending value with gain: 987.00 | profit: -13.00

Stock: DOW Dow Chemical | Ending value with gain: 996.60 | profit: -3.40

Stock: AXP American Express | Ending value with gain: 997.30 | profit: -2.70

Stock: WBA Walgreen | Ending value with gain: 1006.10 | profit: 6.10

Stock: UNH UnitedHealth | Ending value with gain: 999.00 | profit: -1.00

Stock: AAPL Apple | Ending value with gain: 995.10 | profit: -4.90

Stock: JPM JPMorgan Chase | Ending value with gain: 1005.90 | profit: 5.90

Stock: UTX United Technologies | Ending value with gain: 991.70 | profit: -8.30

Total sum of all stocks: 9981.10

Printing results for Randomly selected set # 1

['KO Coca-Cola', 'DIS Disney', 'WBA Walgreen', "MCD McDonald's", 'UNH UnitedHealth', 'WMT Wal-Mart', 'JNJ Johnson & Johnson', 'AAPL Apple', 'UTX United Technologies', 'AXP American Express']

Hill Climbing Result:

Stock: KO Coca-Cola | Ending value with gain: 0.02 | profit: -0.00

Stock: DIS Disney | Ending value with gain: 0.01 | profit: -0.00

Stock: WMT Wal-Mart | Ending value with gain: 0.03 | profit: 0.00

Stock: AXP American Express | Ending value with gain: 0.01 | profit: -0.00

Stock: MCD McDonald's | Ending value with gain: 0.04 | profit: 0.00

Stock: WBA Walgreen | Ending value with gain: 10060.83 | profit: 61.00

Stock: UNH UnitedHealth | Ending value with gain: 0.02 | profit: -0.00

Stock: JNJ Johnson & Johnson | Ending value with gain: 0.02 | profit: -0.00

Stock: AAPL Apple | Ending value with gain: 0.01 | profit: -0.00

Stock: UTX United Technologies | Ending value with gain: 0.01 | profit: -0.00

Total sum of all stocks: 10061.00

Simulated Annealing Results:

Stock: KO Coca-Cola | Ending value with gain: 158.71 | profit: -0.24

Stock: DIS Disney | Ending value with gain: 62.59 | profit: -0.63

Stock: WBA Walgreen | Ending value with gain: 9244.13 | profit: 56.05

Stock: MCD McDonald's | Ending value with gain: 76.80 | profit: 0.20

Stock: UNH UnitedHealth | Ending value with gain: 88.67 | profit: -0.09

Stock: WMT Wal-Mart | Ending value with gain: 63.45 | profit: 0.08

Stock: JNJ Johnson & Johnson | Ending value with gain: 69.74 | profit: -0.13

Stock: AAPL Apple | Ending value with gain: 53.98 | profit: -0.27

Stock: UTX United Technologies | Ending value with gain: 63.99 | profit: -0.54

Stock: AXP American Express | Ending value with gain: 171.91 | profit: -0.47

Total sum of all stocks: 10053.97

TFB Results

Stock: KO Coca-Cola | Ending value with gain: 998.50 | profit: -1.50

Stock: DIS Disney | Ending value with gain: 990.00 | profit: -10.00

Stock: WBA Walgreen | Ending value with gain: 1006.10 | profit: 6.10

Stock: MCD McDonald's | Ending value with gain: 1002.60 | profit: 2.60

Stock: UNH UnitedHealth | Ending value with gain: 999.00 | profit: -1.00

Stock: WMT Wal-Mart | Ending value with gain: 1001.30 | profit: 1.30

Stock: JNJ Johnson & Johnson | Ending value with gain: 998.10 | profit: -1.90

Stock: AAPL Apple | Ending value with gain: 995.10 | profit: -4.90

Stock: UTX United Technologies | Ending value with gain: 991.70 | profit: -8.30

Stock: AXP American Express | Ending value with gain: 997.30 | profit: -2.70

Total sum of all stocks: 9979.70

Printing results for Randomly selected set # 2

['HD Home Depot', 'INTC Intel', 'CVX Chevron', 'UNH UnitedHealth', 'TRV Travelers Companies Inc', "MCD McDonald's", 'AXP American Express', 'BA Boeing', 'DIS Disney', 'MSFT Microsoft']

Hill Climbing Result:

Stock: HD Home Depot | Ending value with gain: 0.06 | profit: 0.00

Stock: INTC Intel | Ending value with gain: 0.03 | profit: -0.00

Stock: CVX Chevron | Ending value with gain: 0.01 | profit: -0.00

Stock: UNH UnitedHealth | Ending value with gain: 0.04 | profit: -0.00

Stock: TRV Travelers Companies Inc | Ending value with gain: 0.04 | profit: -0.00

Stock: MCD McDonald's | Ending value with gain: 10025.77 | profit: 26.00

Stock: AXP American Express | Ending value with gain: 0.03 | profit: -0.00

Stock: BA Boeing | Ending value with gain: 0.01 | profit: -0.00

Stock: DIS Disney | Ending value with gain: 0.01 | profit: -0.00

Stock: MSFT Microsoft | Ending value with gain: 0.01 | profit: -0.00

Total sum of all stocks: 10026.00

Simulated Annealing Results:

Stock: HD Home Depot | Ending value with gain: 570.48 | profit: 0.17

Stock: INTC Intel | Ending value with gain: 404.62 | profit: -1.10

Stock: CVX Chevron | Ending value with gain: 248.22 | profit: -3.27

Stock: UNH UnitedHealth | Ending value with gain: 875.66 | profit: -0.88

Stock: TRV Travelers Companies Inc | Ending value with gain: 512.63 | profit: -0.36

Stock: MCD McDonald's | Ending value with gain: 6260.16 | profit: 16.23

Stock: AXP American Express | Ending value with gain: 201.38 | profit: -0.55

Stock: BA Boeing | Ending value with gain: 321.11 | profit: -3.37

Stock: DIS Disney | Ending value with gain: 364.31 | profit: -3.68

Stock: MSFT Microsoft | Ending value with gain: 241.47 | profit: -3.18

Total sum of all stocks: 10000.02

TFB Results

Stock: HD Home Depot | Ending value with gain: 1000.30 | profit: 0.30

Stock: INTC Intel | Ending value with gain: 997.30 | profit: -2.70

Stock: CVX Chevron | Ending value with gain: 987.00 | profit: -13.00

Stock: UNH UnitedHealth | Ending value with gain: 999.00 | profit: -1.00

Stock: TRV Travelers Companies Inc | Ending value with gain: 999.30 | profit: -0.70

Stock: MCD McDonald's | Ending value with gain: 1002.60 | profit: 2.60

Stock: AXP American Express | Ending value with gain: 997.30 | profit: -2.70

Stock: BA Boeing | Ending value with gain: 989.60 | profit: -10.40

Stock: DIS Disney | Ending value with gain: 990.00 | profit: -10.00

Stock: MSFT Microsoft | Ending value with gain: 987.00 | profit: -13.00

Total sum of all stocks: 9949.40

Printing results for Randomly selected set # 3

['V Visa', 'DIS Disney', 'MMM 3M', 'KO Coca-Cola', 'BA Boeing', 'AXP American Express', 'PFE Pfizer', 'PG Procter & Gamble', 'CVX Chevron', 'INTC Intel']

Hill Climbing Result:

Stock: V Visa | Ending value with gain: 0.01 | profit: -0.00

Stock: DIS Disney | Ending value with gain: 0.01 | profit: -0.00

Stock: MMM 3M | Ending value with gain: 0.03 | profit: 0.00

Stock: KO Coca-Cola | Ending value with gain: 0.02 | profit: -0.00

Stock: BA Boeing | Ending value with gain: 0.01 | profit: -0.00

Stock: AXP American Express | Ending value with gain: 0.01 | profit: -0.00

Stock: PFE Pfizer | Ending value with gain: 10122.87 | profit: 123.00

Stock: PG Procter & Gamble | Ending value with gain: 0.02 | profit: 0.00

Stock: CVX Chevron | Ending value with gain: 0.01 | profit: -0.00

Stock: INTC Intel | Ending value with gain: 0.01 | profit: -0.00

Total sum of all stocks: 10123.00

Simulated Annealing Results:

Stock: V Visa | Ending value with gain: 0.00 | profit: -0.00

Stock: DIS Disney | Ending value with gain: 0.00 | profit: -0.00

Stock: MMM 3M | Ending value with gain: 0.00 | profit: 0.00

Stock: KO Coca-Cola | Ending value with gain: 0.00 | profit: -0.00

Stock: BA Boeing | Ending value with gain: 0.00 | profit: -0.00

Stock: AXP American Express | Ending value with gain: 0.00 | profit: -0.00

Stock: PFE Pfizer | Ending value with gain: 10123.00 | profit: 123.00

Stock: PG Procter & Gamble | Ending value with gain: 0.00 | profit: 0.00

Stock: CVX Chevron | Ending value with gain: 0.00 | profit: -0.00

Stock: INTC Intel | Ending value with gain: 0.00 | profit: -0.00

Total sum of all stocks: 10123.00

TFB Results

Stock: V Visa | Ending value with gain: 990.60 | profit: -9.40

Stock: DIS Disney | Ending value with gain: 990.00 | profit: -10.00

Stock: MMM 3M | Ending value with gain: 1004.30 | profit: 4.30

Stock: KO Coca-Cola | Ending value with gain: 998.50 | profit: -1.50

Stock: BA Boeing | Ending value with gain: 989.60 | profit: -10.40

Stock: AXP American Express | Ending value with gain: 997.30 | profit: -2.70

Stock: PFE Pfizer | Ending value with gain: 1012.30 | profit: 12.30

Stock: PG Procter & Gamble | Ending value with gain: 1002.10 | profit: 2.10

Stock: CVX Chevron | Ending value with gain: 987.00 | profit: -13.00

Stock: INTC Intel | Ending value with gain: 997.30 | profit: -2.70

Total sum of all stocks: 9969.00

Printing results for Randomly selected set # 4

['MRK Merck', 'PG Procter & Gamble', 'CAT Caterpillar', 'BA Boeing', 'JPM JPMorgan Chase', 'DIS Disney', 'INTC Intel', 'WMT Wal-Mart', 'HD Home Depot', 'MMM 3M']

Hill Climbing Result:

Stock: MRK Merck | Ending value with gain: 0.01 | profit: -0.00

Stock: PG Procter & Gamble | Ending value with gain: 0.04 | profit: 0.00

Stock: CAT Caterpillar | Ending value with gain: 0.04 | profit: 0.00

Stock: BA Boeing | Ending value with gain: 0.01 | profit: -0.00

Stock: JPM JPMorgan Chase | Ending value with gain: 10058.72 | profit: 59.00

Stock: DIS Disney | Ending value with gain: 0.01 | profit: -0.00

Stock: INTC Intel | Ending value with gain: 0.02 | profit: -0.00

Stock: WMT Wal-Mart | Ending value with gain: 0.03 | profit: 0.00

Stock: HD Home Depot | Ending value with gain: 0.03 | profit: 0.00

Stock: MMM 3M | Ending value with gain: 0.09 | profit: 0.00

Total sum of all stocks: 10059.00

Simulated Annealing Results:

Stock: MRK Merck | Ending value with gain: 120.75 | profit: -1.42

Stock: PG Procter & Gamble | Ending value with gain: 357.00 | profit: 0.75

Stock: CAT Caterpillar | Ending value with gain: 197.95 | profit: 0.32

Stock: BA Boeing | Ending value with gain: 118.19 | profit: -1.24

Stock: JPM JPMorgan Chase | Ending value with gain: 8575.61 | profit: 50.30

Stock: DIS Disney | Ending value with gain: 73.59 | profit: -0.74

Stock: INTC Intel | Ending value with gain: 103.87 | profit: -0.28

Stock: WMT Wal-Mart | Ending value with gain: 128.96 | profit: 0.17

Stock: HD Home Depot | Ending value with gain: 136.18 | profit: 0.04

Stock: MMM 3M | Ending value with gain: 236.81 | profit: 1.01

Total sum of all stocks: 10048.90

TFB Results

Stock: MRK Merck | Ending value with gain: 988.40 | profit: -11.60

Stock: PG Procter & Gamble | Ending value with gain: 1002.10 | profit: 2.10

Stock: CAT Caterpillar | Ending value with gain: 1001.60 | profit: 1.60

Stock: BA Boeing | Ending value with gain: 989.60 | profit: -10.40

Stock: JPM JPMorgan Chase | Ending value with gain: 1005.90 | profit: 5.90

Stock: DIS Disney | Ending value with gain: 990.00 | profit: -10.00

Stock: INTC Intel | Ending value with gain: 997.30 | profit: -2.70

Stock: WMT Wal-Mart | Ending value with gain: 1001.30 | profit: 1.30

Stock: HD Home Depot | Ending value with gain: 1000.30 | profit: 0.30

Stock: MMM 3M | Ending value with gain: 1004.30 | profit: 4.30

Total sum of all stocks: 9980.80