


OUTPUTS

1. Block Simulation output:

```
Index: 0
Timestamp: 2025-06-08 16:23:44.968182
Data: Genesis Block
Previous Hash: 0
Hash: a48de223473df544f819fd3ade588befbfcee6ec50626324776e657fef1a2a8a
Nonce: 0
-----
Index: 1
Timestamp: 2025-06-08 16:23:44.968269
Data: Block 1 Data
Previous Hash: a48de223473df544f819fd3ade588befbfcee6ec50626324776e657fef1a2a8a
Hash: 58a9e3b2caeb5efc7a7f0c340109893925ddf0c1bb39c5d871614b1ec32f2534
Nonce: 0
-----
Index: 2
Timestamp: 2025-06-08 16:23:44.968312
Data: Block 2 Data
Previous Hash: 58a9e3b2caeb5efc7a7f0c340109893925ddf0c1bb39c5d871614b1ec32f2534
Hash: 0a67bc56b75ba537b25af2937e22e94255366ee6129c33eedcdbda7cf7e0a4bd
Nonce: 0
-----
```

2. Nonce Mining output:

 Block mined: 0000aa0c667826b497d64be7ca16dcc639773a9d2b87147b7c0fee1f236b8e95
Nonce attempts: 79129
Time taken: 0.15 seconds

3. Consensus Mechanism output:

```
PoW: MinerA wins with power 94
PoS: StakerB wins with stake 87
DPoS: DelegateC selected by votes: ['DelegateC', 'DelegateA', 'DelegateC']
```