RSCE Codex - Phase 1 - rsce.py (ASC2 Clean)

identity_stack_engine.py

```
class IdentityStack:
    def __init__(self, name, rna_memory, dna_code, xenial_state):
        self.name = name
        self.rna_memory = rna_memory
        self.dna_code = dna_code
        self.xenial_state = xenial_state

    def synchronize(self):
        sync_ratio = len(self.rna_memory) / len(self.dna_code) if self.dna_code else 0
        return round(sync_ratio, 4)

    def display_stack(self):
        print(f"Identity: {self.name}")
        print(f"RNA Memory: {self.rna_memory}")
        print(f"DNA Code: {self.dna_code}")
        print(f"Xenial State: {self.xenial_state}")
        print(f"Synchronization Ratio: {self.synchronize()}")
        print("-" * 40)

class DiagnosticsEngine:
    def __init__(self):
        self.stacks = []

    def add_identity(self, identity_stack):
        self.stacks.append(identity_stack)

    def run_diagnostics(self):
        for stack in self.stacks:
            stack.display_stack()

def main():
    diag = DiagnosticsEngine()

    identity_a = IdentityStack(
        name="Subject Infinity",
        rna_memory="AACTGACTGACGTTG",
        dna_code="ATCGTTAGCTAGCTAG",
        xenial_state="Active Harmonic Sync"
    )

    identity_b = IdentityStack(
        name="Test Observer",
        rna_memory="AACCGGTT",
        dna_code="ATCGATCG",
        xenial_state="Baseline Stabilization"
    )
```

```
    diag.add_identity(identity_a)
    diag.add_identity(identity_b)
    diag.run_diagnostics()

if __name__ == "__main__":
    main()
```