

This file defines the golden reference output.
All values must match exactly.
No tolerance is allowed on gates, lines or node policy.
If this test does not pass, the implementation is incorrect.

```
{
  "case_id": "golden_test_case_v1_jaimie_1990_04_09_1804_schiedam",
  "birth": {
    "date": "1990-04-09",
    "time_hh_mm": "18:04",
    "seconds_policy": "assume_00",
    "place_name": "Schiedam, Netherlands",
    "latitude": 51.9167,
    "longitude": 4.4000,
    "timezone_iana": "Europe/Amsterdam"
  },
  "engine_contract": {
    "ephemeris": "swiss_ephemeris",
    "zodiac": "tropical",
    "houses": "placidus",
    "node_policy_by_system": {
      "astrology": "mean",
      "human_design": "true",
      "gene_keys": "true"
    },
    "human_design_mapping": {
      "mandala_start_deg": 313.25,
      "gate_width_deg": 5.625,
      "line_width_deg": 0.9375,
      "interval_rule": "start_inclusive_end_exclusive"
    },
    "design_time_solver": {
      "sun_offset_deg": 88.0,
      "stop_if_abs_sun_diff_deg_below": 0.0001,
      "stop_if_time_bracket_below_seconds": 1
    }
  },
  "expected": {
    "astrology": {
      "positions": {
        "sun": { "sign": "Aries", "deg": 19, "min": 32 },
        "moon": { "sign": "Libra", "deg": 14, "min": 20 },
        "mercury": { "sign": "Taurus", "deg": 8, "min": 16 },
        "venus": { "sign": "Pisces", "deg": 3, "min": 23 },
        "mars": { "sign": "Aquarius", "deg": 21, "min": 35 },
        "jupiter": { "sign": "Cancer", "deg": 3, "min": 46 },
```

```

    "saturn": { "sign": "Capricorn", "deg": 24, "min": 49 },
    "uranus": { "sign": "Capricorn", "deg": 9, "min": 34 },
    "neptune": { "sign": "Capricorn", "deg": 14, "min": 33 },
    "pluto": { "sign": "Scorpio", "deg": 17, "min": 8 },
    "chiron": { "sign": "Cancer", "deg": 11, "min": 3 },
    "north_node_mean": { "sign": "Aquarius", "deg": 13, "min": 14 },
    "ascendant": { "sign": "Virgo", "deg": 25, "min": 6 },
    "mc": { "sign": "Gemini", "deg": 23, "min": 35 }
  }
},
"human_design": {
  "activation_object_order": [
    "sun",
    "earth",
    "north_node",
    "south_node",
    "moon",
    "mercury",
    "venus",
    "mars",
    "jupiter",
    "saturn",
    "uranus",
    "neptune",
    "pluto"
  ],
  "personality": {
    "sun": "51.5",
    "earth": "57.5",
    "north_node": "13.2",
    "south_node": "7.2",
    "moon": "48.6",
    "mercury": "24.1",
    "venus": "55.4",
    "mars": "49.3",
    "jupiter": "15.6",
    "saturn": "61.5",
    "uranus": "38.1",
    "neptune": "38.6",
    "pluto": "1.5"
  },
  "design": {
    "sun": "61.1",
    "earth": "62.1",
    "north_node": "13.4",
    "south_node": "7.4",
    "moon": "31.1",
    "mercury": "38.6",

```

```
"venus": "41.1",
"mars": "26.1",
"jupiter": "15.6",
"saturn": "54.2",
"uranus": "58.3",
"neptune": "38.4",
"pluto": "1.5"
}
},
"gene_keys": {
  "activation_sequence": {
    "lifes_work": { "key": 51, "line": 5 },
    "evolution": { "key": 57, "line": 5 },
    "radiance": { "key": 61, "line": 1 },
    "purpose": { "key": 62, "line": 1 }
  }
}
}
}
```