

# Synthesized solution for benchmark 05thttpdEr.c

```

solution
├── (Complete), cond a6:  keepalive <= 0
│   ├── Case a6 :
│   │   ├── k1 = (berr > 0 · (akeepalive <= 0 · S() = shutdown(); + ¬akeepalive <= 0 · 1) + ¬berr > 0 · U() = update_stats();)
│   │   └── k2 = (berr > 0 · L() = clear_connection(); · S() = shutdown(); + ¬berr > 0 · U() = update_stats();)
│   └── AComplete
│       ├── Axioms : {I = 1}
│       ├── k1 = (berr > 0 · 1 · S() = shutdown(); + ¬berr > 0 · U() = update_stats();)
│       └── k2 = (berr > 0 · I() = clear_connection(); · S() = shutdown(); + ¬berr > 0 · U() = update_stats();)
├── Case ¬a6 :
│   ├── k1 = (berr > 0 · (akeepalive <= 0 · S() = shutdown(); + ¬akeepalive <= 0 · 1) + ¬berr > 0 · U() = update_stats();)
│   └── k2 = (berr > 0 · L() = clear_connection(); · S() = shutdown(); + ¬berr > 0 · U() = update_stats();)
└── (Complete), cond b18:  err > 0
    ├── Case ¬b18 :
    │   ├── k1 = (berr > 0 · 1 · 1 + ¬berr > 0 · U() = update_stats();)
    │   └── k2 = (berr > 0 · I() = clear_connection(); · S() = shutdown(); + ¬berr > 0 · U() = update_stats();)
    └── (Complete), cond b8:  err > 0
        ├── Case ¬b8 :
        │   ├── k1 = (berr > 0 · 1 · 1 + ¬berr > 0 · U() = update_stats();)
        │   └── k2 = 1 · U() = update_stats();
        └── AComplete
            ├── Axioms : {I = 1}
            ├── k1 = 1 · U() = update_stats();
            └── k2 = 1 · U() = update_stats();

```

Remaining 3 solutions ommitted for brevity.