```
Start per exchange
        │
        ▼
┌─────────────────────┐
│ Input profiling      │
│ metrics and          │
│ status               │
└─────────────────────┘
        │
        ▼
    ◇ Profiling supported? ◇
        │              │
     No │              │ Yes
        │              ▼
        │         ◇ Profiling error present? ◇
        │              │              │
        │          Yes │              │ No
        │              │              ▼
        │              │      ┌─────────────────────┐
        │              │      │ Compute duration_s   │
        │              │      └─────────────────────┘
        │              │              │
        │              │              ▼
        │              │      ┌─────────────────────────┐
        │              │      │ Compute ticks_per_sec =  │
        │              │      │ ticks / duration_s        │
        │              │      └─────────────────────────┘
        │              │              │
        │              │              ▼
        │              │      ┌─────────────────────────┐
        │              │      │ Compute bytes_per_sec =  │
        │              │      │ bytes_total / duration_s  │
        │              │      └─────────────────────────┘
        │              │              │
        │              │              ▼
```

```mermaid
flowchart TD
    A[Compute reconnects_per_min = reconnects * 60 / duration_s] --> B[Compute raw_score = bytes_per_sec + 2000 * reconnects_per_min]
    B --> C[Apply lower bound: if raw_score < 1.0 then score = 1.0 else score = raw_score]
    C --> D[Mark exchange as runnable]
    D --> E[Emit score record for sharding planner]

    F[Set score = 0.0] --> G[Mark exchange as excluded\nreason = unsupported]
    H[Set score = 0.0] --> I[Mark exchange as excluded\nreason = profiling_error]

    G --> J([Persist result and end])
    I --> J
    E --> J
```

Compute reconnects_per_min = reconnects * 60 / duration_s

Compute raw_score = bytes_per_sec + 2000 * reconnects_per_min

Apply lower bound: if raw_score < 1.0 then score = 1.0 else score = raw_score

Set score = 0.0

Set score = 0.0

Mark exchange as runnable

Mark exchange as excluded\nreason = unsupported

Mark exchange as excluded\nreason = profiling_error

Emit score record for sharding planner

Persist result and end