

```
class zset:
    class phaser:
        def enqueue(self, op):
            if op.is_read():
                self.readers.push(op)
            elif op.is_add():
                self.adders.push(op)
            # ...

    def signal(self, prev_mode):
        if prev_mode == READ:
            self.adders.signal_all()
        elif prev_mode == ADD:
            self.readers.signal_all()
        # ...
```