```
[CHECKPOINT, 0, []]
                                    [WRITE, T2, C2, 100, 115, 150]
[START TRANSACTION, T1, 10]
                                    [WRITE, T2, D2, 110, 105, 160]
[START_TRANSACTION, T2, 20]
                                    [WRITE, T3, C3, 110, 125, 170]
[WRITE, T1, A1, 30, 35, 30]
                                    [END TRANSACTION, T2, 180]
[WRITE, T2, A2, 35, 40, 40]
                                    [COMMIT, T1, 190]
[START_TRANSACTION, T3, 50]
                                    [WRITE, T4, B4, 30, 20, 200]
[WRITE, T1, B1, 45, 35, 60]
                                    [ROLLBACK, T2, 210]
[WRITE, T3, A3, 40, 45, 70]
                                    [WRITE, T3, D3, 100, 95, 220]
[WRITE, T2, B2, 40, 30, 80]
                                    [CHECKPOINT, 230, AT]
[START TRANSACTION, T4, 90]
                                    [END TRANSACTION, T3, 240]
[WRITE, T1, C1, 90, 105, 100]
                                    [WRITE, T4, C4, 120, 135, 250]
[WRITE, T3, B3, 35, 25, 110]
                                    [COMMIT, T3, 260]
[WRITE, T4, A4, 45, 50, 120]
                                    [WRITE, T4, D4, 90, 85, 270]
[WRITE, T1, D1, 120, 115, 130]
                                    [END_TRANSACTION, T4, 280]
[END TRANSACTION, T1, 140]
                                    [COMMIT, T4, 290]
```

Considera las siguientes opciones:

- Fallo en los instantes de tiempo 75, 155, 225 o 285.
- Tamaño de bloque: 3, 5 u 8 entradas.
- Actualización del diario: diferida o inmediata.
- Actualización de la base de datos: diferida o inmediata.

```
[CHECKPOINT, 0, []]
                                    [WRITE, T7, V, 169, 120, 220]
[START_TRANSACTION, T6, 10]
                                    [CHECKPOINT, 230, AT2]
[START TRANSACTION, T3, 20]
                                    [WRITE, T4, L, 38, 20, 240]
[START_TRANSACTION, T4, 30]
                                    [WRITE, T6, S, 57, 99, 250]
                                    [ROLLBACK, T7, 260]
[START_TRANSACTION, T2, 40]
[START_TRANSACTION, T7, 50]
                                    [WRITE, T1, C, 27, 105, 270]
[START_TRANSACTION, T8, 60]
                                    [START_TRANSACTION, T5, 280]
                                    [WRITE, T5, N, 71, 112, 290]
[WRITE, T3, H, 44, 36, 70]
[WRITE, T2, D, 171, 100, 80]
                                    [WRITE, T8, X, 177, 27, 300]
[WRITE, T3, I, 116, 96, 90]
                                    [WRITE, T2, F, 84, 189, 310]
[WRITE, T8, W, 30, 8, 100]
                                    [WRITE, T5, O, 101, 187, 320]
[CHECKPOINT, 110, AT1]
                                    [WRITE, T4, M, 105, 25, 330]
[WRITE, T7, T, 58, 105, 120]
                                    [COMMIT, T4, 340]
[WRITE, T3, J, 33, 19, 130]
                                    [CHECKPOINT, 350, AT3]
[WRITE, T6, Q, 69, 67, 140]
                                    [WRITE, T5, P, 125, 195, 360]
[COMMIT, T3, 150]
                                    [COMMIT, T5, 370]
[WRITE, T4, K, 26, 129, 160]
                                    [COMMIT, T6, 380]
[WRITE, T7, U, 79, 140, 170]
                                    [COMMIT, T1, 390]
[START TRANSACTION, T1, 180]
                                    [WRITE, T2, G, 86, 82, 400]
[WRITE, T1, A, 101, 6, 190]
                                    [COMMIT, T2, 410]
[WRITE, T6, R, 61, 14, 200]
                                    [WRITE, T8, Y, 74, 74, 420]
[WRITE, T1, B, 22, 190, 210]
                                    [COMMIT, T8, 430]
```

Considera las siguientes opciones:

- Fallo en los instantes de tiempo 205, 305 o 405.
- Tamaño de bloque: 4, 6 u 9 entradas.
- Actualización del diario: diferida o inmediata.
- Actualización de la base de datos: diferida o inmediata.

[CHECKPOINT, 0, []]	[WRITE, T6, R, 61, 14, 220]
[START_TRANSACTION, T3, 10]	[WRITE, T1, C, 27, 105, 230]
[WRITE, T3, H, 44, 36, 20]	[ROLLBACK,T1,240]
[START_TRANSACTION, T2, 30]	[WRITE, T7, V, 169, 120, 250]
[WRITE, T2, D, 171, 100, 40]	[WRITE, T4, L, 38, 20, 260]
[START_TRANSACTION, T8, 50]	[WRITE, T6, S, 57, 99, 270]
[WRITE,T3,I,116,96,60]	[COMMIT, T7, 280]
[WRITE, T8, W, 30, 8, 70]	[START_TRANSACTION, T5, 290]
[CHECKPOINT, 80, AT1]	[WRITE, T5, N, 71, 112, 300]
[START_TRANSACTION, T7, 90]	[COMMIT, T6, 310]
[WRITE, T7, T, 58, 105, 100]	[WRITE, T8, X, 177, 27, 320]
[START_TRANSACTION, T1, 110]	[WRITE, T2, F, 84, 189, 330]
[WRITE, T1, A, 101, 6, 120]	[WRITE, T5, O, 101, 187, 340]
[START_TRANSACTION, T4, 130]	[WRITE, T4, M, 105, 25, 350]
[WRITE, T3, J, 33, 19, 140]	[COMMIT, T4, 360]
[COMMIT, T3, 150]	[CHECKPOINT, 370, AT3]
[START_TRANSACTION, T6, 160]	[WRITE, T5, P, 125, 195, 380]
[WRITE, T4, K, 26, 129, 170]	[ROLLBACK, T5, 390]
[WRITE, T6, Q, 69, 67, 180]	[WRITE, T2, G, 86, 82, 400]
[CHECKPOINT, 190, AT2]	[COMMIT, T2, 410]
[WRITE, T1, B, 22, 190, 200]	[WRITE, T8, Y, 74, 74, 420]
[WRITE, T7, U, 79, 140, 210]	[COMMIT, T8, 430]

Considera las siguientes opciones:

- Fallo en los instantes de tiempo 255, 355 o 405.
- Tamaño de bloque: 3, 4 u 7 entradas.
- Actualización del diario: diferida o inmediata.
- Actualización de la base de datos: diferida o inmediata.

```
[CHECKPOINT, [], 0]
                                    [WRITE, T7, T, 136, 189, 220]
[START_TRANSACTION, T7, 10]
                                    [WRITE, T3, I, 173, 142, 230]
[START TRANSACTION, T1, 20]
                                    [CHECKPOINT, AT1, 240]
[WRITE, T1, A, 34, 44, 30]
                                    [WRITE, T7, U, 29, 122, 250]
[WRITE, T7, S, 75, 118, 40]
                                    [ROLLBACK, T3, 260]
[START_TRANSACTION, T5, 50]
                                    [START_TRANSACTION, T4, 270]
[START_TRANSACTION, T8, 60]
                                    [WRITE, T6, Q, 73, 130, 280]
[WRITE, T8, V, 116, 39, 70]
                                    [COMMIT, T5, 290]
[WRITE, T1, B, 90, 27, 80]
                                    [COMMIT, T7, 300]
[WRITE, T5, M, 130, 70, 90]
                                    [WRITE, T1, C, 165, 124, 310]
[START TRANSACTION, T2, 100]
                                    [WRITE, T6, R, 21, 103, 320]
[START_TRANSACTION, T3, 110]
                                    [WRITE, T4, J, 158, 144, 330]
                                    [WRITE, T4, K, 58, 92, 340]
[WRITE, T8, W, 171, 91, 120]
[WRITE, T3, G, 19, 68, 130]
                                    [CHECKPOINT, AT2, 350]
[WRITE, T3, H, 59, 7, 140]
                                    [WRITE, T2, E, 164, 26, 360]
[START_TRANSACTION, T6, 150]
                                    [COMMIT, T1, 370]
[WRITE, T8, X, 138, 18, 160]
                                    [WRITE, T2, F, 175, 190, 380]
[WRITE, T5, N, 70, 128, 170]
                                    [ROLLBACK, T6, 390]
[WRITE, T2, D, 13, 51, 180]
                                    [COMMIT, T2, 400]
[WRITE, T6, P, 66, 9, 190]
                                    [WRITE, T4, L, 111, 19, 410]
[WRITE, T5, O, 4, 119, 200]
                                    [COMMIT, T4, 420]
[COMMIT, T8, 210]
```

Considera las siguientes opciones:

- Fallo en los instantes de tiempo 235, 345 o 415.
- Tamaño de bloque: 4, 5 u 8 entradas.
- Actualización del diario: diferida o inmediata.
- Actualización de la base de datos: diferida o inmediata.