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CHECKLIST

Debugging checklist: steps to isolate and fix code faults

- [ ] Write down the input, expected result and actual result
- [ ] Read the full error message including line number and type
- [ ] Check lines immediately before the reported error position
- [ ] Print variable values just before and after suspect operations
- [ ] Comment out sections to isolate which part causes the fault
- [ ] State what you expect the code to do at the failure point
- [ ] Form a hypothesis about which line causes the problem
- [ ] Change one thing and test whether the fault moves or disappears
- [ ] Verify the fix with different inputs
- [ ] Step away if you have stared at the same lines for too long