Solutions

2.1

- Bisect – the history stops narrowing to one defensible change ✓.

2.2

- In the merge commit's message (and the diff itself) – the decision lives with the code ✓.

2.3

- Under about 200 changed lines per pull request ✓.

3.1

- Bound: $\lceil \log_2 16 \rceil = 4$ checkouts ✓.
- Run: mark the last known good and the first known bad; bisect checks the midpoint commit (runs its tests), narrows good/bad halves; 4 checkouts later exactly one commit is the first bad ✓.
- Properties: every commit is runnable (tests can execute at any point) and every commit keeps the suite green when it was made – dumps or broken middles defeat the narrowing ✓.

3.2

- Decision: adopt the pilot value 6 via B's config mechanism – the rule stays tunable and the pilot is a config entry, not a code fork ✓.
- Message: names the collision, the decision (6 through config), and the reviewers of the call ✓.
- Contract per PR: diff + tests + requirement link, under ~200 lines, review against the acceptance test ✓.
- Silent resolution risk: the decision is lost – the next reader sees one value with no record of why or who chose it ✓.