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Conditional inspection and maintenance of a system with two interacting components

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Highlights

- Analysis of a system when failure of component 1 may induce a defect in component 2
- A maintenance policy based on the delay-time model
- Inspection of component 2 is expensive relative to that of component 1
- Failure of component 1 is interpreted as indication of defect in component 2
- Component 1 inspection prevents component 2 failure especially for short delay time

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