

## Chapter 12: First Quantum Algorithms

This section is already in the book plan, but it has not been written fully yet. The book owner can press Generate section to write this part with the language model connected to TheoryTrace.

Section plan:

Develops the Deutsch and Deutsch-Jozsa algorithms from first principles. Students see their first complete examples of quantum speedup and learn how superposition, phase, and interference combine in an algorithm.

### References

References will be added when this section is generated.

# Document information

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<b>Project</b>	Quantum Computing from First Principles
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