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2		J. Sakurai, Modern Quantum Mechanism, revised edition, 1994	2007

1		1 ISBN 7-313-02480-0 2000 11 2 ISBN 9787502536695 2004-04-01	
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8		1 [] Webb A. R. [] Copsey K. D. 2 3 Pattern Recognition and Machine Learning Christopher M. Bishop Springer 4 [] 5	
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