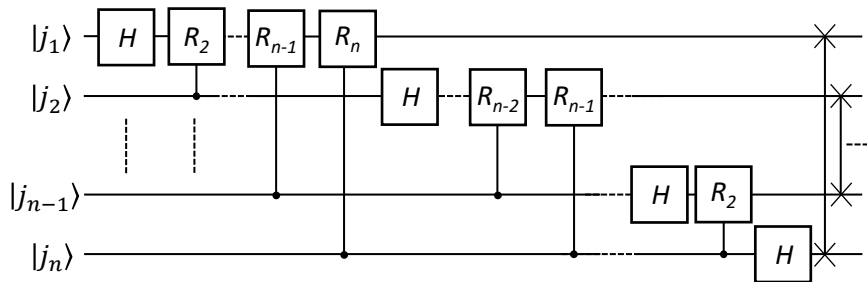# Quantum Computing: List of Errors

Steven Herbert
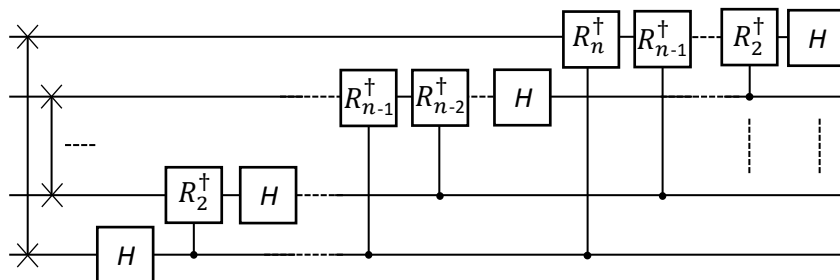
January 2021

Here is a list of errors in the slides that I know about, please email me (`sjh227@cam.ac.uk`) if you notice any others.

- **Lecture 4 Slide 7**: second occurence of $p(M_{|\psi_0\rangle}|\,|\psi\rangle = |\psi_0\rangle)$ should be $p(M_{|\psi_1\rangle}|\,|\psi\rangle = |\psi_1\rangle)$.

- **Lecture 8 Slide 17**: Slide be $\frac{\pi}{4}\sqrt{N/M}$ not $\frac{\pi}{4}\sqrt{M/N}$.

- **Lecture 9 Slide 2**: 'transforms of it' should read 'transforms it to'.

- **Lecture 9 Slide 5**: Figure should be:

- **Lecture 9 Slide 10**: Figure should be:

- **Lecture 11 Slide 14**: $|\lambda_0\rangle$ should be $|e_0\rangle$.

- **Lecture 12**: Sometimes 'automata' (plural) wrongly used instead of 'automaton' (singular).

- **Lecture 14 Slide 11**: 'referenced pages in Nielsen and Chuang': this is a left-over from last year's notes where the reference was given at the start of the lecture slides – the reference is to the section of Nielsen and Chuang starting at page 474.

- **Lecture 14 Slide 17**: 'understated' should be 'overstated'.