# ASQ CRE Prep course

Lesson IV. A. 2. d.

Reliability Block Diagrams
and Models – Complex
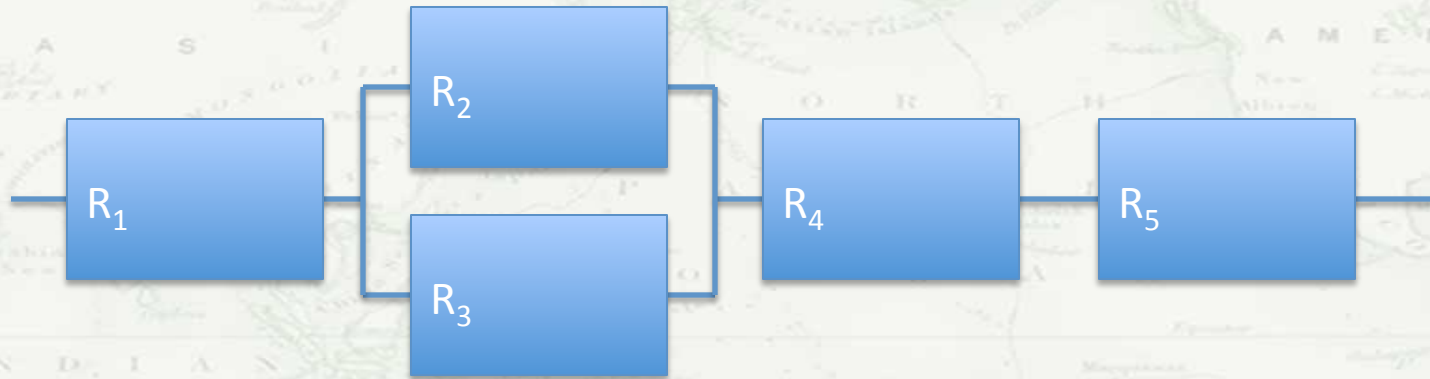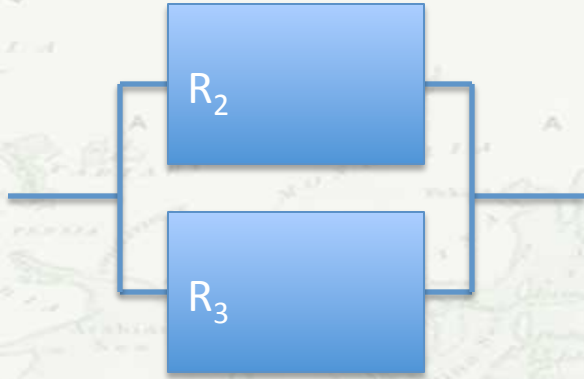
Cannot be simpler

# RELIABILITY BLOCK DIAGRAM COMPLEX SYSTEM
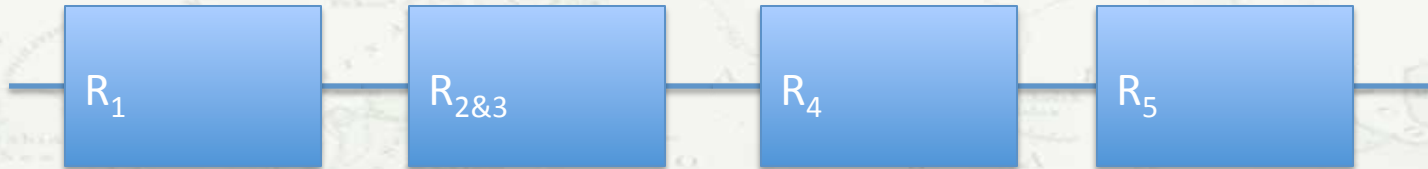
# A mix of series and parallel

# Simplify

$$R_{2\&3} = 1 - \prod\left(1 - R_i\right)$$

# Now all is Series



$$R_{system} = \prod R_i$$

One step
at a time

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Lesson IV. A. 2. e.

Reliability Block Diagrams
and Models – Keynote