Write the short-hand equivalent resistance for this circuit.

A \[ R_{EQ} = R_3 + R_4 + (R_1 \parallel R_2 \parallel R_5 \parallel R_6) \]

B \[ R_{EQ} = (R_1 \parallel R_2 \parallel (R_3 + R_4 + (R_5 \parallel R_6))) \]

C \[ R_{EQ} = (R_5 \parallel R_6 \parallel (R_3 + R_4 + (R_1 \parallel R_2))) \]

D \[ R_{EQ} = (R_1 \parallel R_2 \parallel ((R_3 + R_4 + R_5) \parallel R_6)) \]

E \[ R_{EQ} = (R_1 + R_2 + (R_3 \parallel R_4 \parallel (R_5 + R_6))) \]
Work out from inner-most section. R5 and R6 are in parallel (shown), then this is in series with R3 and R4, then this is in parallel with R1 and R2.

\[ R_{EQ} = \left( R_1 \parallel R_2 \parallel \left( R_3 + R_4 + \left( R_5 \parallel R_6 \right) \right) \right) \]