

### Opgave 1.1

$$L1 := 2 \text{ mH}$$

$$L2 := 2.73 \text{ mH}$$

$$L1 + L2 = 4.73 \text{ mH}$$

### Opgave 1.2

$$L1 := 5.75 \text{ H}$$

$$L2 := 2 \text{ H}$$

$$L1 + L2 = 7.75 \text{ H}$$

### Opgave 1.3

$$L1 := 5.75 \text{ H}$$

$$L2 := 2 \text{ H}$$

$$\frac{1}{\frac{1}{L1} + \frac{1}{L2}} = 1.484 \text{ H}$$

### Opgave 1.4

$$L1 := 7 + 5 \text{ H}$$

$$L2 := 3 \text{ H}$$

$$\frac{1}{\frac{1}{L1} + \frac{1}{L2}} = 2.4 \text{ H}$$

### Opgave 1.5

$$L1 := 1.5 \text{ H}$$

$$L2 := 2 \text{ H}$$

$$L3 := 3 \text{ H}$$

$$\frac{1}{\frac{1}{L1} + \frac{1}{L2}} + L3 = 3.857 \text{ H}$$