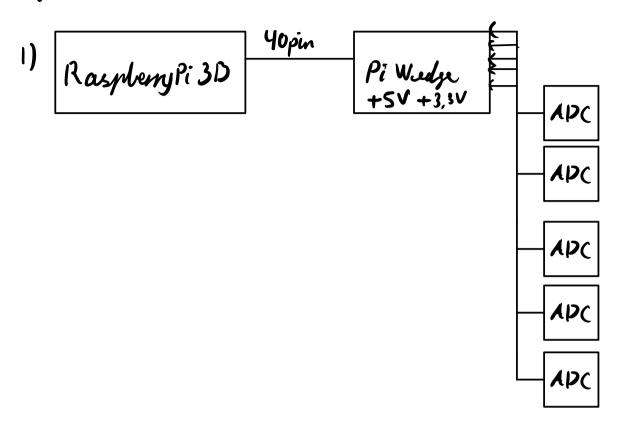
2.1



- 2) a) 16 temps
 - $(1) \quad \frac{3,3V}{2^{12}} \approx 0,8 \text{ mV}$
 - C 10,6V
- 3) Fordi de Ken en parallellisen. DVS. Kjerre alle ADC-ere Samtiday, men det blir ner kompleret

$$H(\omega) = \frac{V_{out}}{V_{in}} = \frac{Z_C}{Z_L + Z_C}$$

$$=\frac{j\omega c}{j\omega L+\frac{1}{j\omega c}}=\frac{1}{1-\omega^2CL}=\frac{1}{1-470\mu F\cdot 100\kappa H\omega^2}$$

$$= \frac{1}{1 - 47 \mu s \cdot \omega^2}$$

$$H(t) = \frac{1}{1 - 2\pi \cdot 47\mu s \cdot t^2}$$