RCR parameters:

#FILEN MÅ HA NEGATIV FLOWRATE, ganges med -1000 senere i scriptet

file\_name="negative\_IR\_flow\_average\_data.txt"

n\_rows=24 #antall verdier i flow filen

p\_dia\_mmHg=84.4 #blodtrykk i mmHg

p\_syst\_mmHg=143 #blodtrykk i mmHg

#Initial guesses

Z\_guesses = np.array([0.02, 0.04, 0.06, 0.08])

C\_guesses = np.array([3, 3.5, 4, 4.5])

R\_guesses = np.array([0.4, 0.8, 1.2, 1.6])

#offset\_guesses = np.array([200, 400, 600, 800]) Denne er valgfri, sparer tid med konstant offset

offset\_guesses = np.array([300])

Z: 0.02, C: 3.0, R: 0.8, offset: 300, try number: 2

error: [0.00214513]

parameters: 0.055265723911421434, 3.9741762385005903, 0.7024630073429903, 268.13349740496096

RCR rounded: 0.0552657, 3.9741762, 0.7024630

starting pressure: 11511.90149740496

Split 50/50:

print("iliac =", splitRCR(0.055265723911421434, 3.9741762385005903, 0.7024630073429903, A\_half, A\_tot))

1105.3144782284287, 0.00019870881192502954, 14049.260146859806

Bruk disse fra nå av:

1105.3145, 0.0001987088, 14049.2601