Doppler Effect moving source v_s

Knowing if Vo and Vs are negative or positive.

- When source is coming toward you ($v_s > 0$)
  - ➔Distance between waves decreases
  - ➔Frequency is higher
- When source is going away from you ($v_s < 0$)
  - ➔Distance between waves increases
  - ➔Frequency is lower
- $f_o = f_s / (1- v_s/v)$