

Kevin Peters  
Homework 7

$$\textcircled{1} \quad \frac{(I := E, m) \Downarrow m' \quad (\text{while } I < E' \text{ do } (C; I+1) \text{ od}, m') \Downarrow m''}{(\text{for } I \text{ from } E \text{ to } E' \text{ do } C \text{ od}, m) \Downarrow m''}$$

$$\textcircled{2} \quad (\text{for } I \text{ from } E \text{ to } E' \text{ do } C \text{ od}, m)$$

$$\rightarrow (I := E, m; \text{if } I < E' \text{ then } (C; I+1); \text{while } I < E' \text{ do } (C; I+1) \text{ od}; \\ \text{else skip } f_i, m)$$