$$F_{1}(s) = \frac{2s+5}{s^{2}+5s+6}$$

$$f_{1}(s) = \frac{2s+5}{(s+2)(s+3)}$$

$$= \frac{1}{s+2} + \frac{1}{s+3}$$

$$f_{1} = \lim_{s \to -2} (s+3)(s+2)$$

$$f_{2} = \lim_{s \to -3} (s+3)(s+2)$$

$$f_{3} = \lim_{s \to -3} (s+3)(s+2)$$

$$f_{4}(s) = \lim_{s \to -3} (s+3)(s+2)$$

$$f_{5}(s) = \lim_{s \to -3} (s+3)(s+2)$$

$$f_{1}(s) = \lim_{s \to -26} (s+3)(s+2)$$