

HOMEWORK #37 (M427K FALL 2004)

Use Dr. Guy's advanced method for splitting into partial fractions:

1)

$$\frac{s+1}{(s+2)(s+3)(s+4)(s+5)}$$

2)

$$\frac{s^2+6s+8}{(s^2+1)(s^2+5)(s^2+9)}$$

3)

$$\frac{s^2+7}{(s^2+8)(s^2+9)(s^2+10)\cdots(s^2+100)}$$