

**27.1.** Calculez  $\int_0^{\frac{1}{2}} \frac{x^2 + x + 1}{(x-1)^2(x+1)^2} dx$ .

**27.2.** Calculez  $\int_0^1 \frac{x^3 + 1}{x^2 + 1} dx$ .

**27.3.** Calculez  $\int_0^1 \frac{x^5}{(x+1)(x^3+1)} dx$ .