

--> limit((1+2/(4·x+5)^(x+1)),x,0);

(%o1) $\frac{7}{5}$

--> limit(((2·x+1)/(2·x+3))^3+x, x, inf);

(%o2) ∞

--> (taylor(x^3+3·x^2-2·x+4,x, -1,3),y,x);

(%o7) x

--> taylor(x^3+3·x^2-2·x+4,x, -1,3);

(%o9)/T $8 - 5(x + 1) + (x + 1)^3 + \dots$

--> taylor((x^2-3·x+1)^3,x,-1,3);

(%o10)/T $125 - 375(x + 1) + 450(x + 1)^2 - 275(x + 1)^3 + \dots$