

Test 9

Calculer la limite quand $n \rightarrow +\infty$ des suites

$$u_n = \frac{n + n^2 + \ln(n)}{(n+1)^2} \text{ (on rappelle que } \lim_{x \rightarrow +\infty} \frac{\ln(x)}{x} = 0)$$

$$v_n = \sqrt{n^3 + 3n} - n.$$