2.
$$T = f(n) = 3n^2 - N + 4$$
 $g(n) = N \log n + \frac{1}{2} = 0$
 $g(n) = \lim_{n \to \infty} \frac{1}{2} (\log n) + \frac{1}{2} = 0$
 $\lim_{n \to \infty} \frac{1}{2} (\log n) + \frac{1}{2} = 0$
 $\lim_{n \to \infty} \frac{1}{2} (\log n) + \frac{1}{2} = 0$
 $\lim_{n \to \infty} \frac{1}{2} (\log n) + \frac{1}{2} (\log n) + \frac{1}{2} = 0$
 $\lim_{n \to \infty} \frac{1}{2} (\log n) + \frac{1}{2} (\log$

8)
$$T(u) = \begin{cases} O(1) \\ T(1) = A \\ T(1) = A \\ T(1) = A \\ A = A \end{cases} + ad T(1) + O(1) + O(1) + ad A \\ N = A = A \\ N = A = A \\ N = A \\ N = A \\ N = A = A \\ N =$$