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| **Título:** **Prime or Not** |
| **Planteamiento** |
| Given the number, you are to answer the question: "Is it prime?" |
| **Descripción de Entrada** |
| *t* – the number of test cases, then *t* test cases follows. [t <= 500] Each line contains one integer: *N* [2 <= *N* <= 2^63-1] |
| **Descripción de Salida** |
| For each test case output string "YES" if given number is prime and "NO" otherwise. |
| **Ejemplo de Entrada** |
| 5 2 3 4 5 6 |
| **Ejemplo de Salida** |
| YES YES NO YES NO |