Madhu Sudan

Efficient Checking of Polynomials and Proofs and the Hardness of Approximation Problems

```
program T(f,O);
    Repeat O(1/δ²) times
        Pick x, h ∈_R F^m and t ∈_R F
            Let p = O(x, h)
            Verify that p(t) = f(x + t * h)
        Reject if the test fails
```

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