Binary Search

```python
def BinarySearch(a, b, e, n):
    f = parse_expr(expression)
    for i in range(n):
        p = (a + b)/2
        fp = N(f.subs(x, p))
        print(p, fp)
        if not fp or abs(fp) < e: return p
        if fp * N(f.subs(x, a)) > 0: a = p
        else: b = p
    return "Failed"
```