```
a = []; p=[];
n = int(input('Enter order of equation:'))
a = list(map(float,(input("Enter coefficients:").split())))
p = list(map(float,(input('Enter initial guess:').split())))
it = int(input('Enter number of iterations required:'))
for k in range(0,it):
    b=[];
    c=[];
    b.append(a[0])
    c.append(b[0])
    j=1
    for j in range(1,n+1):
        b.append(a[j]+p[k]*b[j-1])
        c.append(b[j]+p[k]*c[j-1])

    p.append(p[k] - b[n] / c[n - 1])
    print("Root of equation at iteration",k+1,"is %.4f"% p[k+1])
```

Result:

```
Enter order of equation:3
Enter coefficients: 1  -2  -5  6
Enter initial guess: 0
Enter number of iterations required: 2
Root of equation at iteration 1 is 1.2000
Root of equation at iteration 2 is 0.9898
```