

```

#include<stdio.h>
#include<stdlib.h>
#include<math.h>
float equation(float x) {
    float y=0;
    y = (pow(x,3))/(x+2) + 2;
    return y;
}

```

Bibliothèque utilisée

la fonction

```

int main()
{
    float a=-1.5, b=0, c=0.0, delta=0.5;
    short decide;
    printf("hello friends!\n");
    do
    {
        c = (a+b)/2.0;
        printf("=====\n");
        printf("[%f, %f]\n", a, b);
        printf("the center is: %f\n", c);
        printf("the image of the center: %lf \n", equation(c));
        printf("=====\n");
        if (equation(c) < 0) {
            a=c;
        } else {
            b=c;
        }
        scanf("%s", &decide);
    } while ((b-a) > delta);
    printf("the solution approximately is: %lf \n", c);
    return 0;
}

```

le programme

Dichotomie programmée,

2BacSPF et 2BacSVTF

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