```c
// Gabriel Cotrim Faro Oliveira    30.7.4004   Turma 47
# include < stdio.h >
# include < math.h >


double pi ( int * numTermos);


int main ()
{
    int termos;
    printf(" Digite o número de termos: \n ");
    scanf("%d", &termos);

    double pix = pi (&termos);

    printf ("O valor de pi é igual a %.6lf \n", pix);
}


double pi ( int * numTermos)
{
    double soma = 0;
    int j = 3;
    int sinal = -1

    for ( int i =0; i <= *numTermos; i++)
    {
        soma += sinal * ( 1.0 / pow (j, 3);
        sinal *= -1;


        j += 2;
    }
}
```
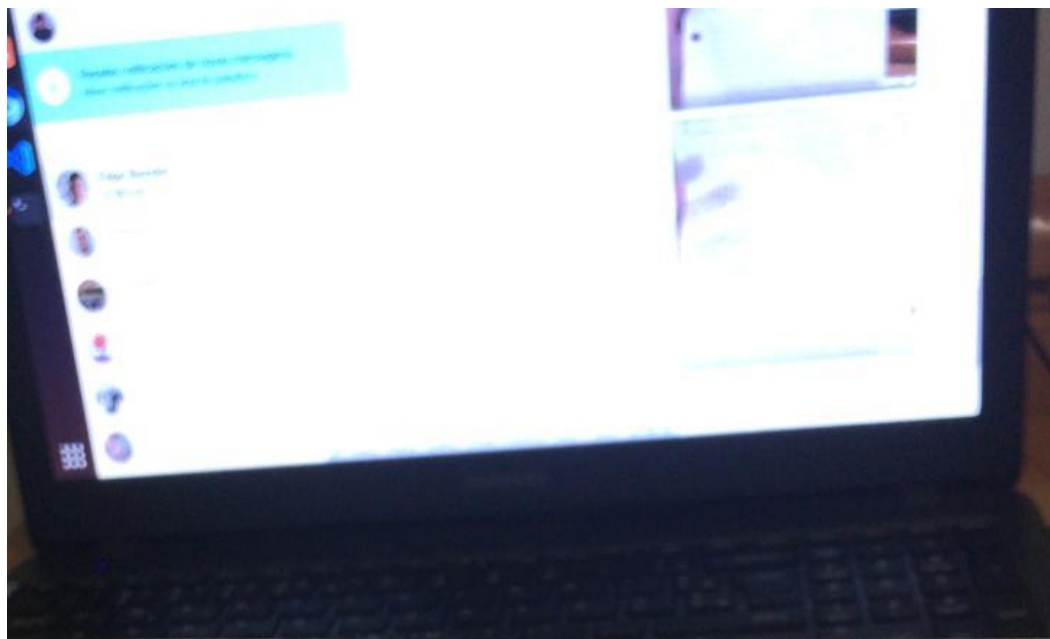
```
double PI = cbrt((comp + 1) * 32);

return PI;

}
```