


```

unsigned int newsum;
unsigned int temp, iters;
double temp1, maxt;
FILE *Outfp;
Outfp=fopen("out7jb.dat", "w");
maxt=0.0;
for (i=1; i<=max; i++) {
    newsum=0;
    if (order==2) {
        for (j=1; j<=i; j++) {
            if (i==((i/j)*j))
                newsum=newsum+numdiv(j, 2);
        }
    }
    if (order==3) {
        for (j=1; j<=i; j++) {
            if (i==((i/j)*j))
                newsum=newsum+n2[j-1];
        }
    }
    if (order==4) {
        for (j=1; j<=i; j++) {
            if (i==((i/j)*j))
                newsum=newsum+n3[j-1];
        }
    }
    if (order==5) {
        for (j=1; j<=i; j++) {
            if (i==((i/j)*j))
                newsum=newsum+n4[j-1];
        }
    }
    if (order==6) {
        for (j=1; j<=i; j++) {
            if (i==((i/j)*j))
                newsum=newsum+n5[j-1];
        }
    }
    temp=phi(i, table, tsize);
    temp1=(double)newsum/(double)i;
    iters=order-1;
    for (k=1; k<=iters; k++)
        temp1=temp1*(double)temp/(double)i;
    if (temp1>maxt) {
        printf(" %d %d %d %e \n", i, newsum, temp, temp1);
        if (select==1)
            fprintf(Outfp, " %e \n", temp1);
        else
            printf(" %d \n", i);
        maxt=temp1;
    }
}
return;
}

```