<https://www.geeksforgeeks.org/two-pointers-technique/>

**Two pointer**

int c=0;

int a[2000];

sort(a,a+t);

for(int k=t-1; k>1; k--) {

int lo=0, hi=k-1;

while(lo<hi) {

if(a[k]>(a[lo]+a[hi]))

{ c+=hi-lo;

lo++;

}

else hi--;

}

}

printf("%d\n",c);

}

// your code goes here

return 0;

}

**Meet in the Middle**

int main()

{

for(int i =0,idx = 0;i<n;i++){

for(int j = 0;j<n;j++){

ab[idx] = a[i]+b[j];

idx++;

}

}

sort(ab,ab+(n\*n));

int cnt = 0;

for(int i =0;i<n;i++){

for(int j = 0;j<n;j++){

int val = c[i] + d[j];

/\*int ii= lower\_bound(ab,ab+n\*n,-val)-ab;

int ji= upper\_bound(ab,ab+n\*n,-val)-ab;

\*/

pair<int\*,int\*>p = equal\_range(ab, ab+n\*n, -val);

cnt+=p.second-p.first;

}

}

printf("%d\n",cnt);

return 0;

}