1. reverse in recursive

int bs(int a[], int front, int end, int target){

if(front <= end){ // 不用小於的原因 : 若 front = end = target的index會找不到

int mid = (front + end)/2;

if(a[mid] == target){

return a[mid];

}

if(a[mid] < target){

return bs(a, mid+1, end, target);

}else{

return bs(a, front, mid-1, target);

}

}else{

return -1;

}

}

1. binary search recursive

void reverse(int number, int dig)

{

if(dig > 1){

int dit\_num = 1;

for(int i = 1; i < dig; i++){

dit\_num = dit\_num \* 10;

}

reverse(number%dit\_num, dig-1);

cout << number/dit\_num;

}else{

cout << number;

}

}