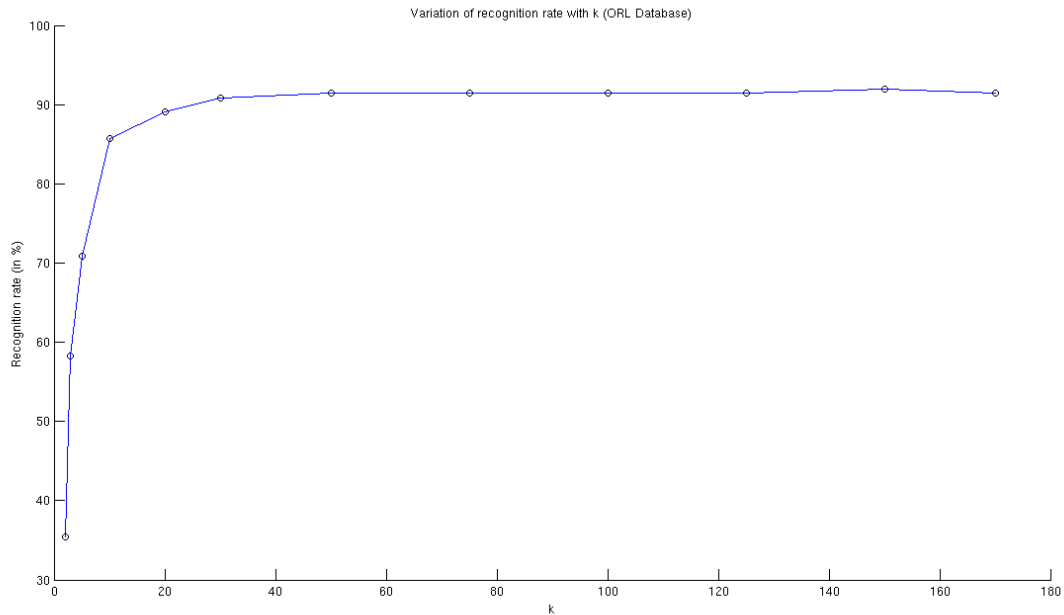


## Assign 4: Question 2

### PART A: ORL database

We can see that the recognition rate reaches ~92 % at  $k = 40$  and remains almost constant thereafter.



### PART B: YALE database

We can see that the recognition rate reaches ~62 % at  $k = 400$  and remains almost constant thereafter.

