Problem 3

```
se1 =

    1    1    1
    1    1    1
    1    1    1


se2 =

    1    1    1    1    1    1    1    1    1    1    1
  1


se3 =

    1
    1
    1
    1
    1
    1
    1
    1
    1
    1
```

For all pictures, Matlab assumes black background. Operations are being performed properly, but a little backwards to normal thought

Original

abcde fghijklmnop

abcdefg hijklmnop qrstuv wxyz

abcde fg

abcdefg hijklm

abcdefg

Part A dilated

abcde fg

abcdefg hijkl

abcdefg

Part A eroded

abcde fghijklmnop

abcdefg hijklmnop qrstuv woxyz

abcde fg

abcdefg hijklm

abcdefg

Part A opened

abcde fghijklmnop

abcdefg hijklmnop qrstuv woxyz

abcde fg

abcdefg hijklm

abcdefg

Part A closed

. . . ' . '

abcde fg

abcdefg

abcdefg

Part B dilated

Part B eroded

abcdefg

abcde fg

abcdefg hijk

abcdefg

Part B opened

abcde fg

abcde fg

abcde fg

abcdefg

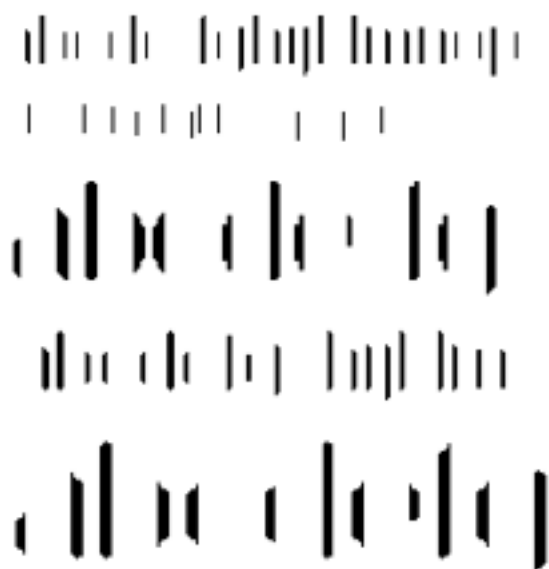**abcdefg**

Part B closed
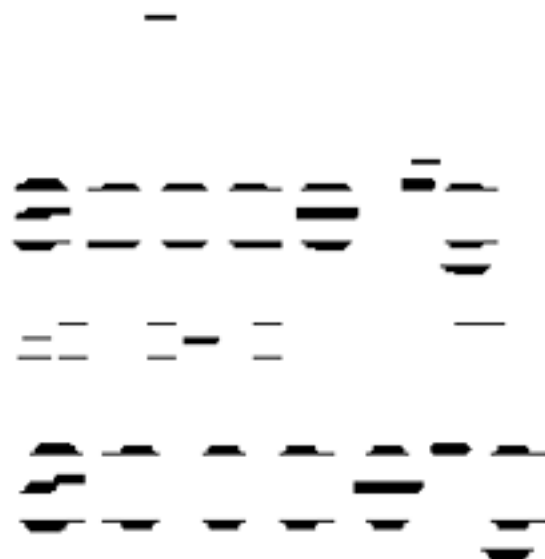
Part C dilated

Part C eroded

abcde fghIJklmnop
abcdefg hIJklmnop qrstuv wxyz

abcde fg

abcdefg hIJklm

abcdefg

Part C opened

abcde fghIJklmnop

abcdefg hIJklmnop qrstuv wxyz

abcde fg

abcdefg hIJklm

abcdefg

Part C closed

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