



Warm Up

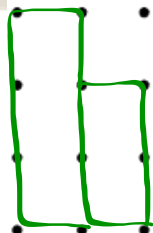
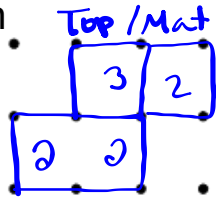
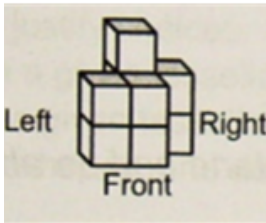
Grade 8

Oct. 4, 2017

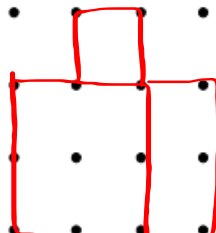


TEST
Friday??

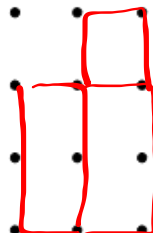
Draw the views of the front, left, right and top.
-include mat plan



Left



Front

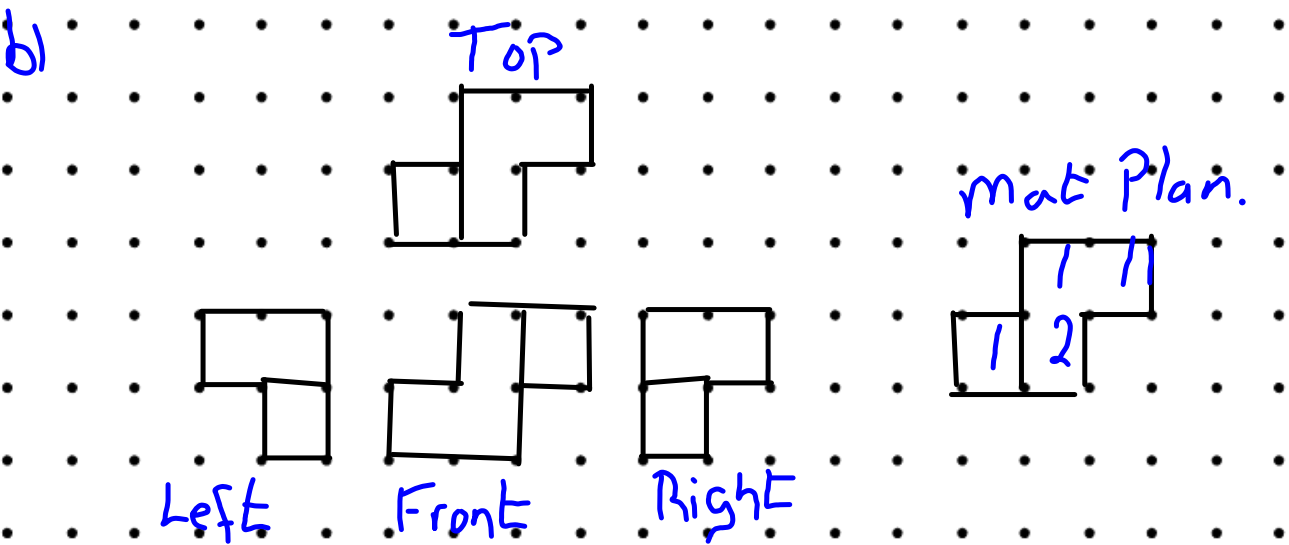
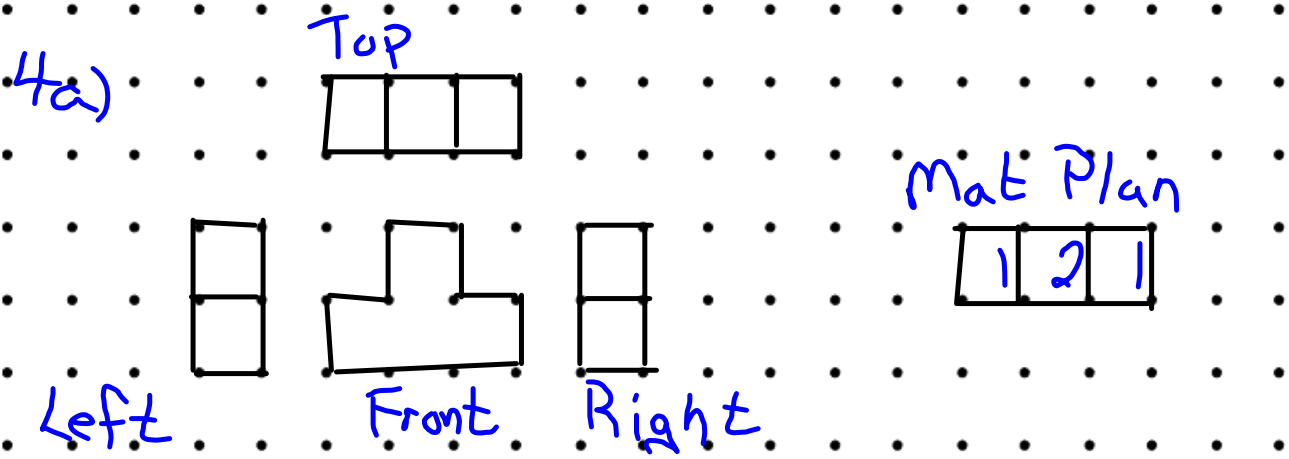


Right

Review for assessment.

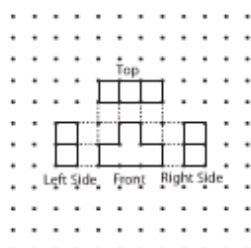
Use order of operations

$$\begin{aligned}
 & 3[-8 - 2] + 6 \times 2 \div 3 \\
 & = 3(-10) + 6 \times 2 \div 3 \\
 & = -30 + 6 \times 2 \div 3 \\
 & = -30 + 12 \div 3 \\
 & = -30 + 4 \\
 & = -26
 \end{aligned}$$

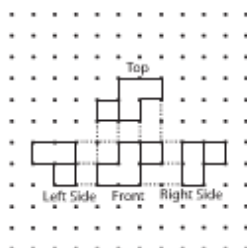


Sample Solutions

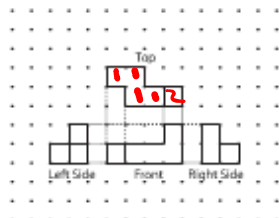
4. a)



b)



c)

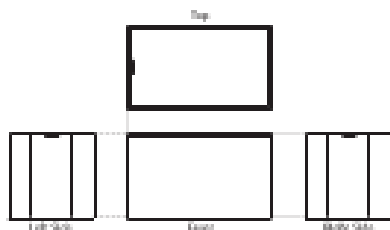


Sample Solutions

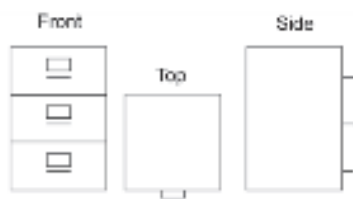
5.

	Top	Front	Back	Left Side	Right Side
A	P	N	N	N	N
B	N	N	N	Q	L
C	Q	Q	L	Q	L
D	J	Q	L	L	Q
E	K	Q	L	M	M

6.



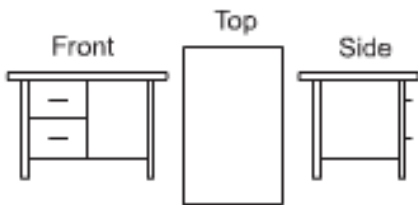
7. a)



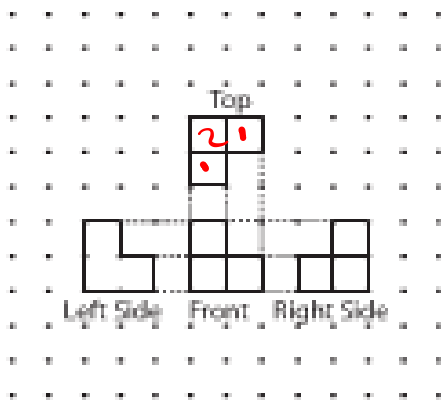
b)



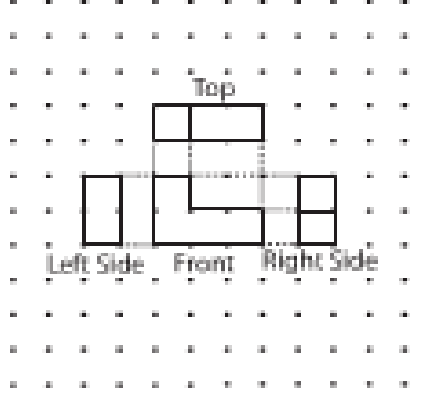
c)



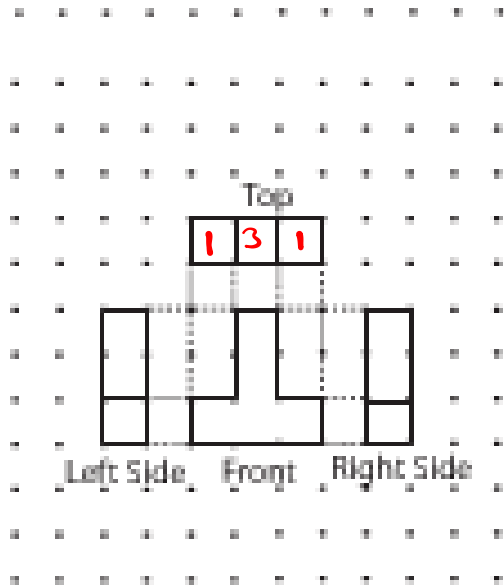
8.



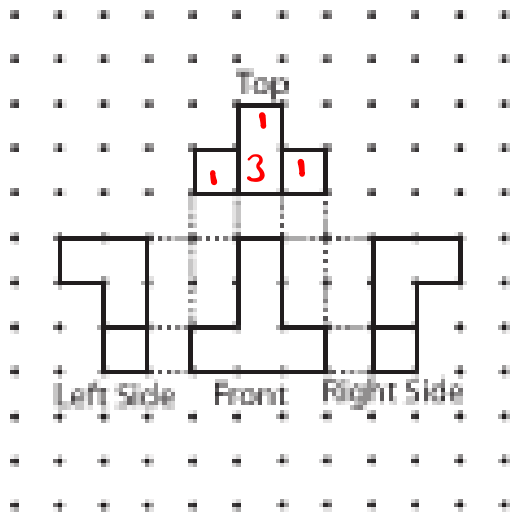
9.



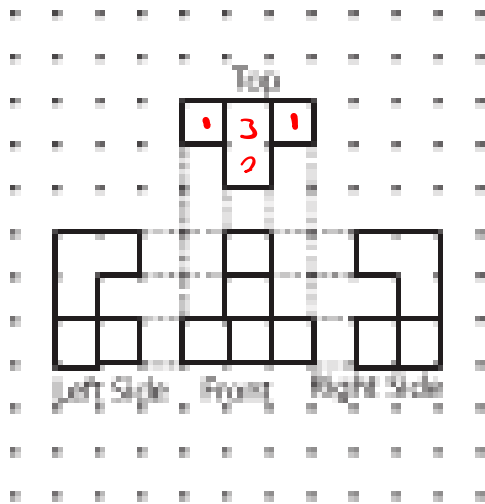
10.



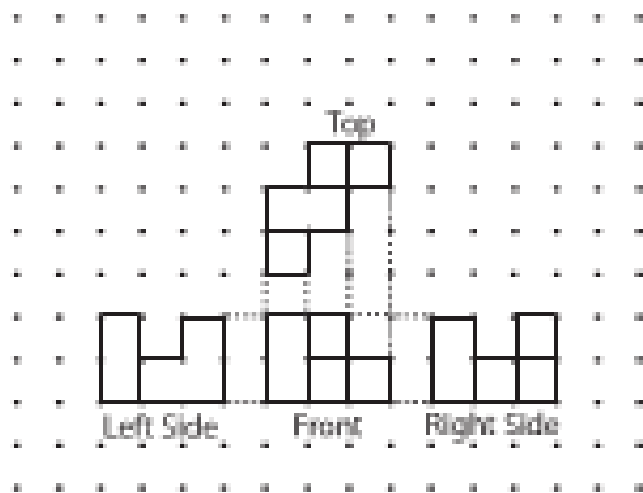
12.



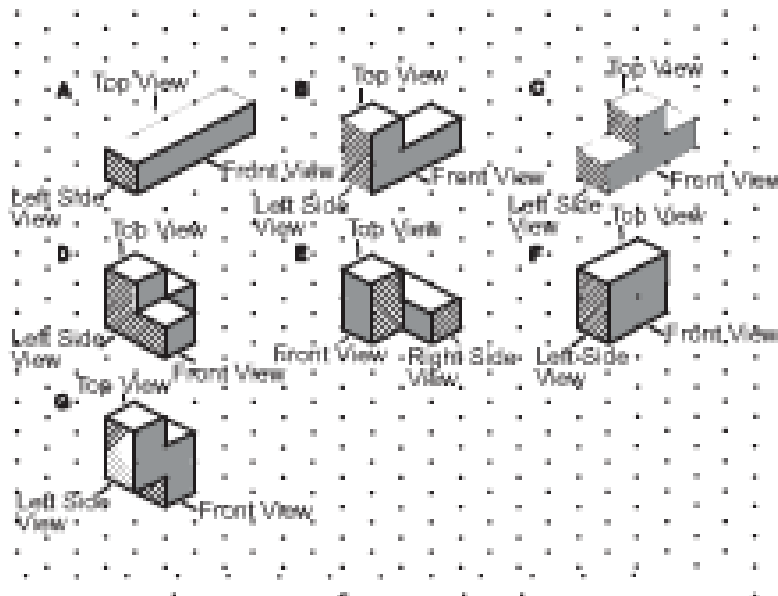
13.



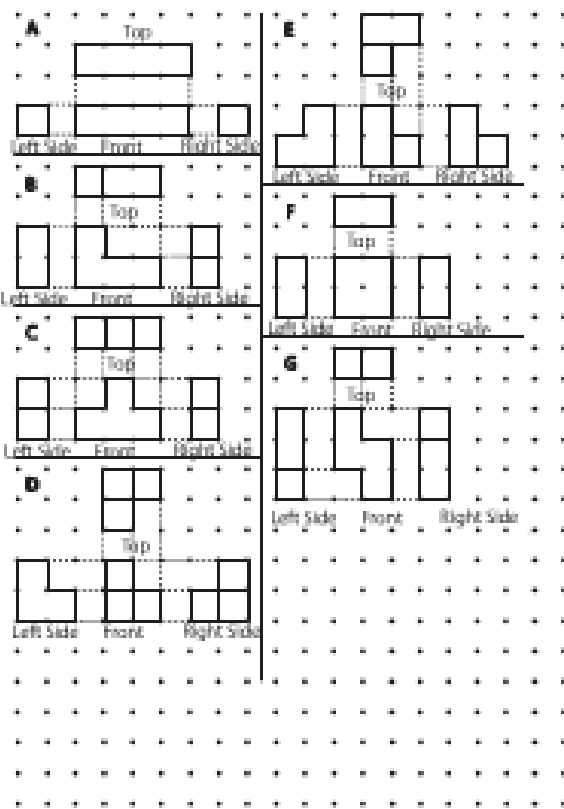
14.



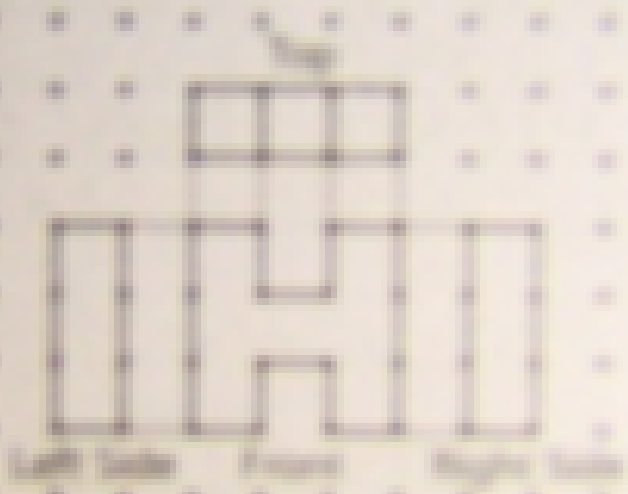
15. There are 7 possible objects.



Here are the views for each object.



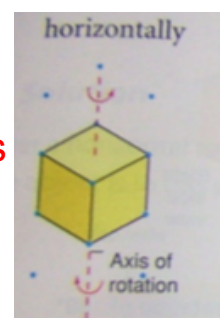
16.





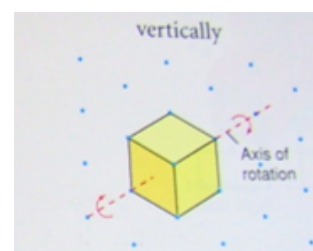
An axis can be rotated horizontally

-when an object is rotated horizontally the axis of rotations is vertical. (Can rotate clockwise or counterclockwise)



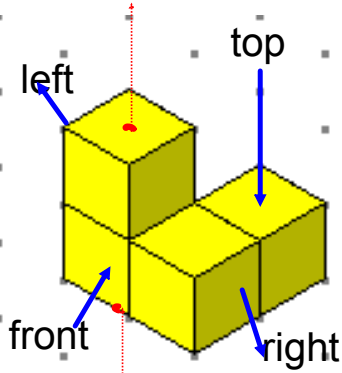
An axis can be rotated vertically

-when an object is rotated vertically the axis of rotations is horizontal. (Can rotate towards or away from you)

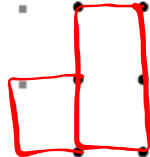
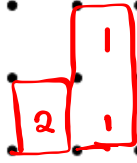


Always build then rotate

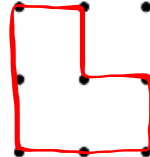
Draw the views (But let's put them in relation to each with the front in the center)



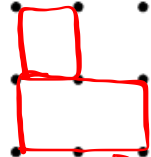
Top/Map



Left

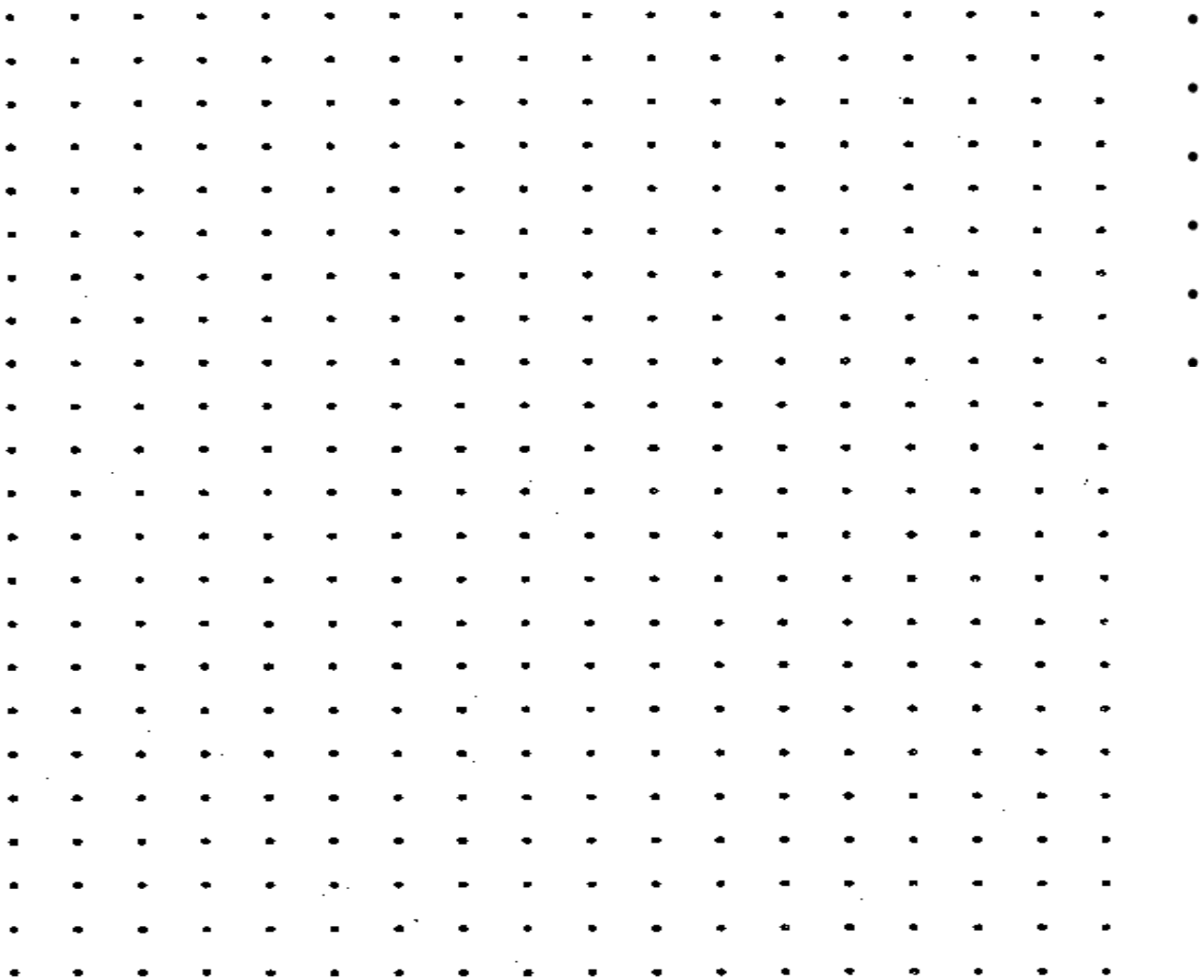


Front

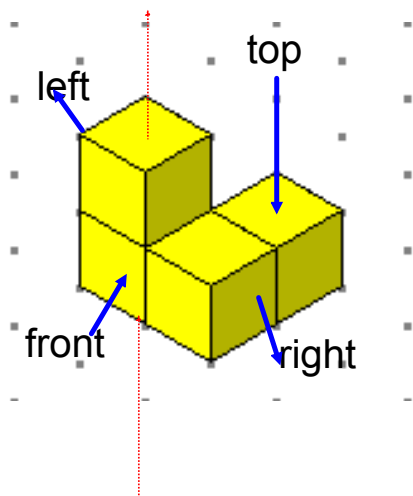


Right

Square Dot Paper Grid Master

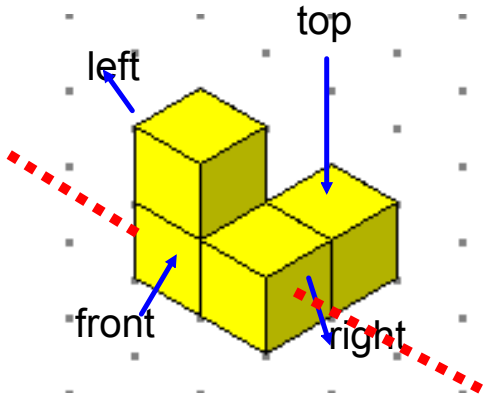


Same as last page but let's rotate horizontally 180° . Now draw the views over (New front, new top, new left, new right)



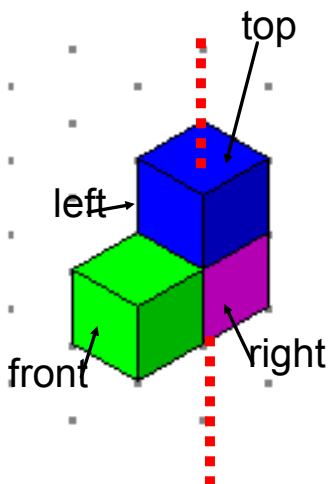
Square Dot Paper Grid Master

Draw the views after we rotate vertically about the axis 180° .



Square Dot Paper Grid Master

Draw the views after we rotate horizontally 270°. (Which is the same as 90 degrees counterclockwise)



Square Dot Paper Grid Master

Hand-drawn views on a square dot grid:

- New Top / Mat:** A horizontal row of two squares. The left square contains the number '2' and the right square contains the number '1'.
- New Left:** A single square.
- New Front:** An L-shaped figure consisting of a vertical column of two squares and a horizontal row of two squares attached to the bottom of the column.
- New R:** A vertical column of two squares.

Class/Homework

TEST
Friday

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#3, #4a,b, ~~#5~~, #7b, #8a,b, #9b

i) NT NL
NR NF

ii) NT NL
NR NF

iii)

