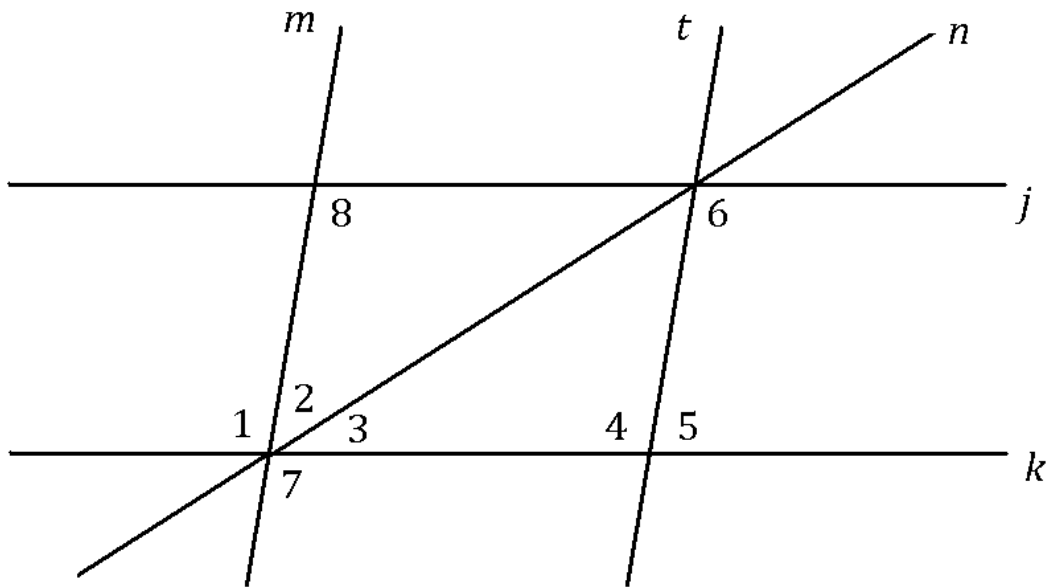What two lines (if any) must be parallel if the given information is true? If the answer is none, write NONE.

Example: $m\angle 7 = m\angle 8$ $j \; || \; k$

1. $m\angle 1 = m\angle 4$

1. _____

2. $m\angle 6 = m\angle 4$

2. _____

3. $m\angle 2 + m\angle 3 = m\angle 5$

3. _____

4. $m\angle 2 + m\angle 3 + m\angle 8 = 180$

4. _____

5. $\angle 6 \cong \angle 8$

5. _____

6. $\angle 7 \cong \angle 1$

6. _____

7. $m\angle 1 = 75; \; m\angle 8 = 75$

7. _____

8. $\angle 5 \; \& \; \angle 6$ are supplementary

8. _____

9. $\angle 7 \; \& \; \angle 8$ are supplementary

9. _____