**Midterm**

1. Operator between two subsets of set of complex numbers that is not surjection and injection. Reflexive symmetric relation of triangles.
2. Injection from the set of people to the set of trees. Symmetric no reflexive relation of curves.
3. Operator from the set of positive number to the set of complex numbers that is not injection. Reflexive no symmetric relation of parabolas.
4. Operator from the set of people to the set of cars that is not injection. Reflexive symmetric relation of lines.
5. Bijection between subset of sets of all real numbers and dogs. Reflexive symmetric, but no transitive relation between people.
6. Operator from the set of all complex numbers to the set of people that is not injection. Reflexive transitive relation of squares.
7. Operator from the set of birds to the set of complex numbers that is not surjection. Reflexive transitive relation of segments.
8. Surjection from the set of squares to the set of segments. Transitive no symmetric relation of complex numbers.
9. Operator from the set of all natural numbers to the set of boats that is not surjection. Correspondence between sets of real numbers and lines.
10. Operator from the set of people to the set of cars that is not injection. Reflexive transitive, but no symmetric relation for trees.
11. Operator from the set of dogs to the set of all integer numbers that is not surjection. Equivalence of two subsets of set of complex numbers.
12. Operator from the set of all negative numbers to the set of complex numbers that is not injection.
13. Surjection from the set of numbers to the set of balls. Transitive relation of triangles.
14. Operator from the set of functions to the set of complex numbers that is not injection. Reflexive non-symmetric relation of ellipses.
15. Injection from the set of vertexes of cube to the set of natural numbers. Correspondence between the sets of natural numbers and functions.
16. Operator from a set of tables to the set of all real numbers that is not surjection. Correspondence between the sets people and natural numbers.
17. Surjection from the set of natural numbers to the set of real numbers. Correspondence between the sets of rivers and integer numbers.
18. Operator from the set of all real number to a set of complex numbers that is not bijection. Correspondence between the sets of cars and complex numbers.

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| **Task 1**  Operator between two subsets of set of complex numbers that is not surjection and injection. Reflexive symmetric relation of triangles. | **Task 2**  Injection from the set of people to the set of trees. Symmetric no reflexive relation of curves. |
| **Task 3**  Operator from the set of positive number to the set of complex numbers that is not injection. Reflexive no symmetric relation of parabolas. | **Task 4**  Operator from the set of people to the set of cars that is not injection. Reflexive symmetric relation of lines. |
| **Task 5**  Bijection between subset of sets of all real numbers and dogs. Reflexive symmetric, but no transitive relation between people. | **Task 6**  Operator from the set of all complex numbers to the set of people that is not injection. Reflexive transitive relation of squares. |
| **Task 7**  Operator from the set of birds to the set of complex numbers that is not surjection. Reflexive transitive relation of segments. | **Task 8**  Surjection from the set of squares to the set of segments. Transitive no symmetric relation of complex numbers. |
| **Task 9**  Operator from the set of all natural numbers to the set of boats that is not surjection. Correspondence between sets of real numbers and lines. | **Task 10**  Operator from the set of people to the set of cars that is not injection. Reflexive transitive, but no symmetric relation for trees. |
| **Task 11**  Operator from the set of dogs to the set of all integer numbers that is not surjection. Equivalence of two subsets of set of complex numbers. | **Task 12**  Operator from the set of all negative numbers to the set of complex numbers that is not injection. |
| **Task 13**  Surjection from the set of numbers to the set of balls. Transitive relation of triangles. | **Task 14**  Operator from the set of functions to the set of complex numbers that is not injection. Reflexive non-symmetric relation of ellipses. |
| **Task 15**  Injection from the set of vertexes of cube to the set of natural numbers. Correspondence between the sets of natural numbers and functions. | **Task 16**  Operator from a set of tables to the set of all real numbers that is not surjection. Correspondence between the sets people and natural numbers. |
| **Task 17**  Surjection from the set of natural numbers to the set of real numbers. Correspondence between the sets of rivers and integer numbers. | **Task 18**  Operator from the set of all real number to a set of complex numbers that is not bijection. Correspondence between the sets of cars and complex numbers |