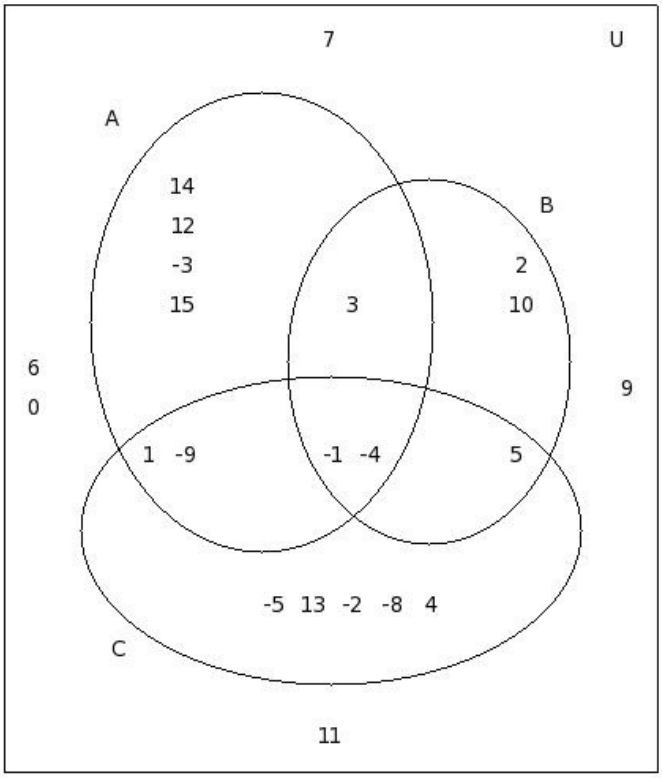
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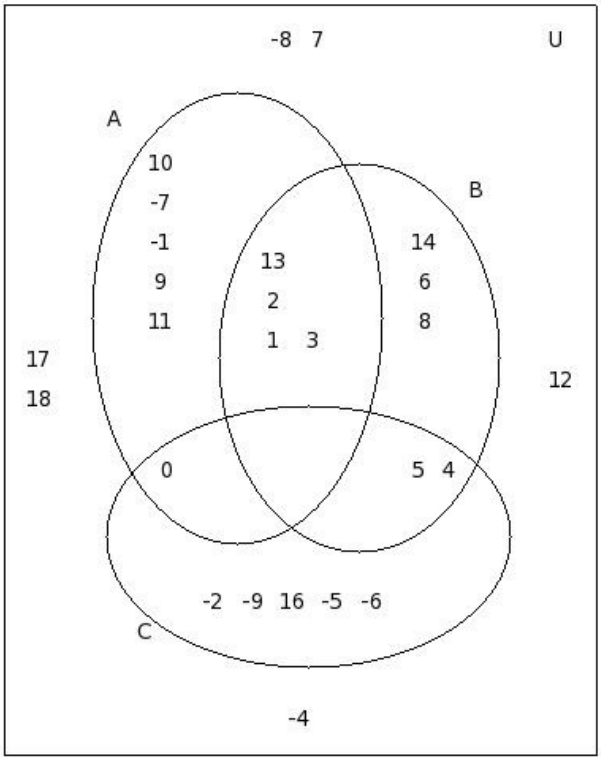
1. Find A



(i) {-9,3,-4,-3,15,-1,14,1,-2} (ii) {-9,3,-4,-3,15,-1,14,12,1} (iii) {-9,3,-4,-3,15,14,12,1}

(iv) {-9,3,-4,-3,15,-1,14,12,1,0} (v) {-9,3,-4,-3,-1,14,12,1,0}

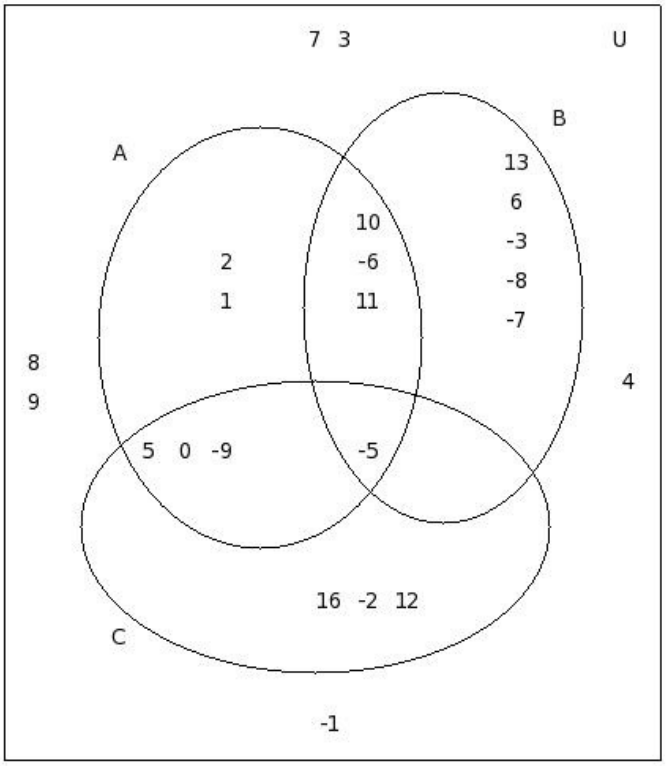
2. Find B



(i) {4,6,3,5,14,13,1,2,12} (ii) {4,6,3,5,14,8,13,1,-4} (iii) {4,6,3,5,14,8,13,1,2,12} (iv) {4,6,3,5,14,8,13,1,2}

(v) {6,3,5,14,8,13,1,2}

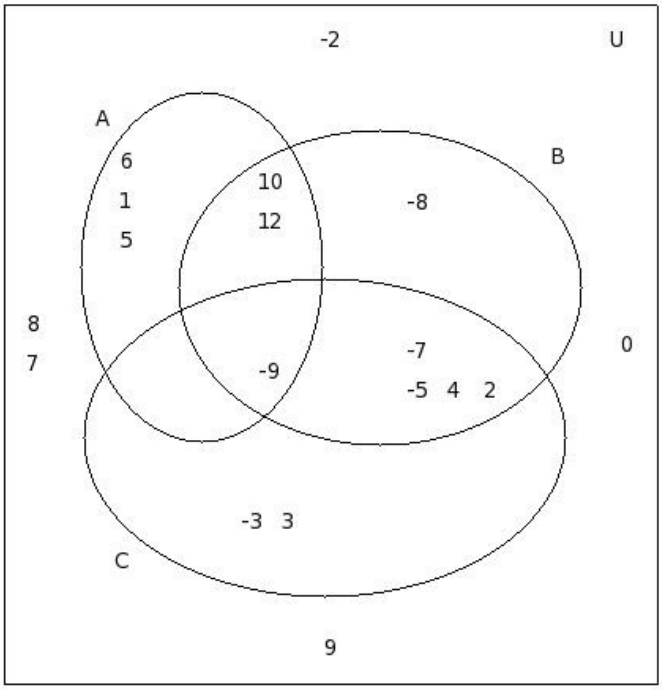
3. Find C



(i) {5,16,-2,12,0,-9,-5} (ii) {5,16,12,0,-9,-5,6} (iii) {5,16,-2,12,0,-9,-5,6} (iv) {5,16,-2,0,-9,-5}

(v) {5,16,-2,0,-9,-5,-1}

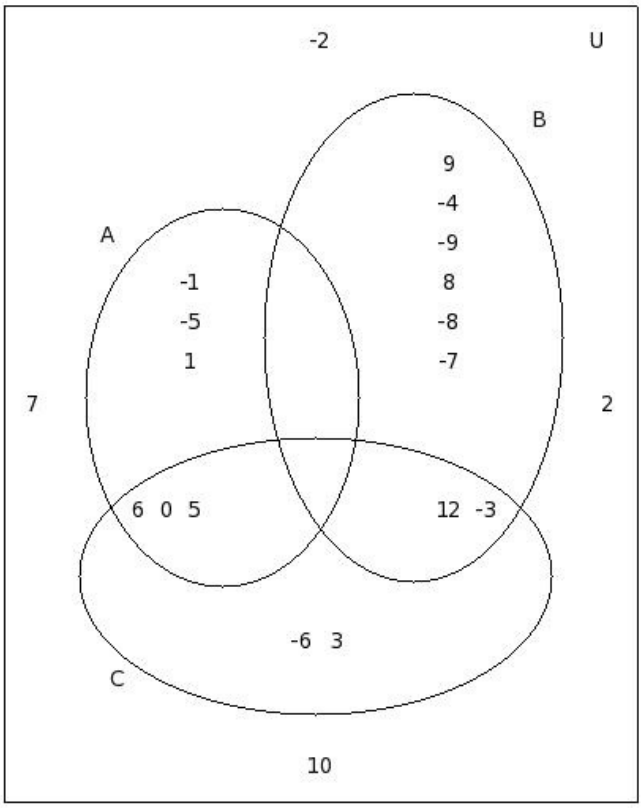
4. Find A ∪ B



(i) {5,6,-7,-8,-5,-9,10,4,1,12,9} (ii) {5,6,-7,-8,-5,-9,10,4,2,1,12} (iii) {5,6,-7,-8,-5,-9,10,4,2,1,12,0}

(iv) {5,6,-7,-8,-5,10,4,2,1,12,0} (v) {5,6,-7,-8,-5,-9,10,2,1,12}

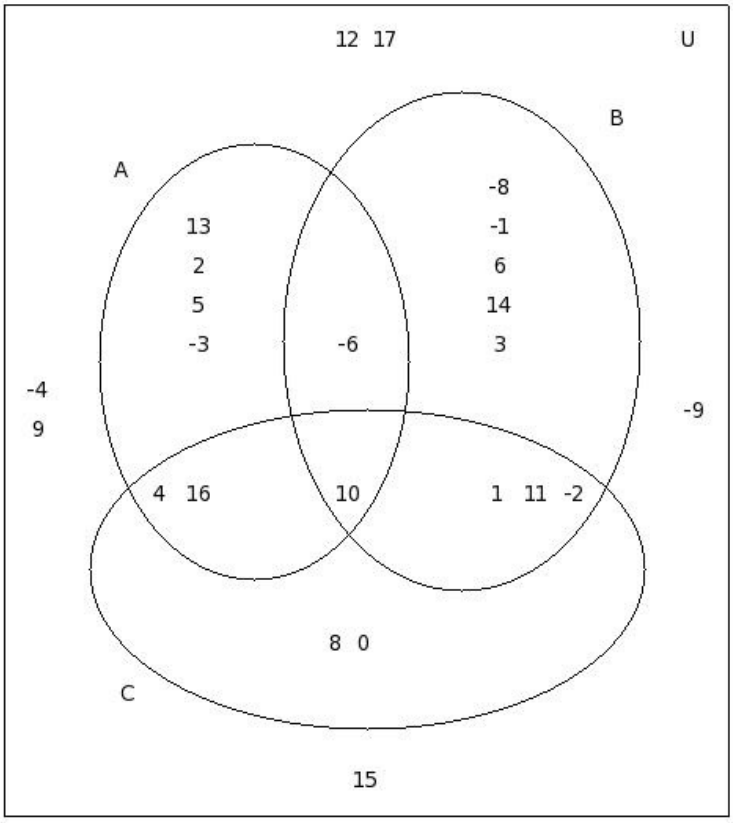
5. Find B ∪ C



(i) {-6,-3,5,0,-9,-7,6,12,-8,3,-4,8,1} (ii) {-6,-3,5,0,-9,6,12,-8,3,-4,9,8} (iii) {-6,-3,5,0,-9,-7,6,12,-8,-4,9,8,7}

(iv) {-6,-3,5,0,-9,-7,6,12,-8,3,-4,9,8,7} (v) {-6,-3,5,0,-9,-7,6,12,-8,3,-4,9,8}

6. Find C ∪ A

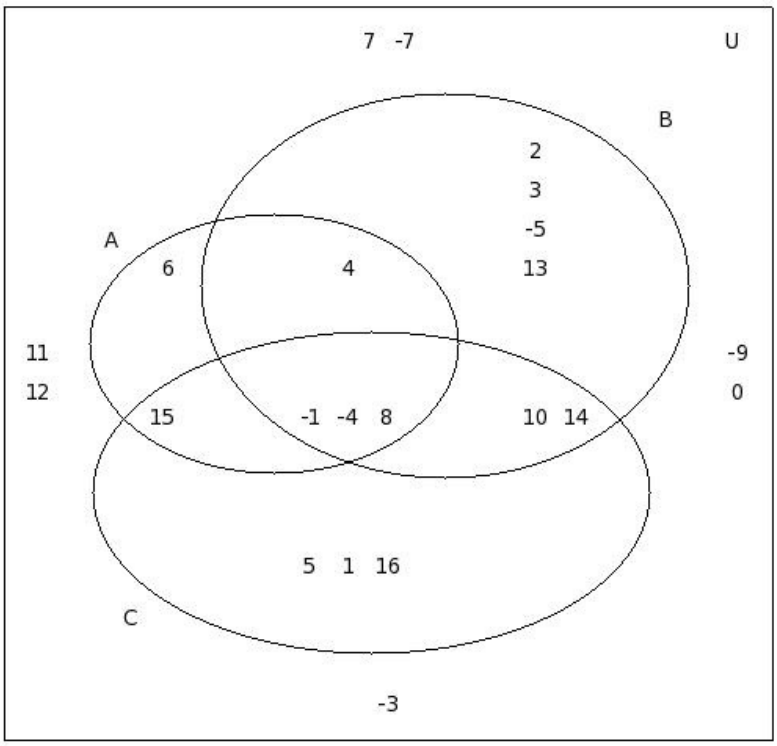


(i) {10,11,13,1,0,-6,16,4,-2,5,2,8,6} (ii) {11,13,1,0,-6,16,4,-3,-2,5,2,8}

(iii) {10,11,13,1,0,-6,16,4,-3,-2,5,2,15} (iv) {10,11,13,1,0,-6,16,4,-3,-2,5,2,8,6}

(v) {10,11,13,1,0,-6,16,4,-3,-2,5,2,8}

7. Find A ∪ B ∪ C

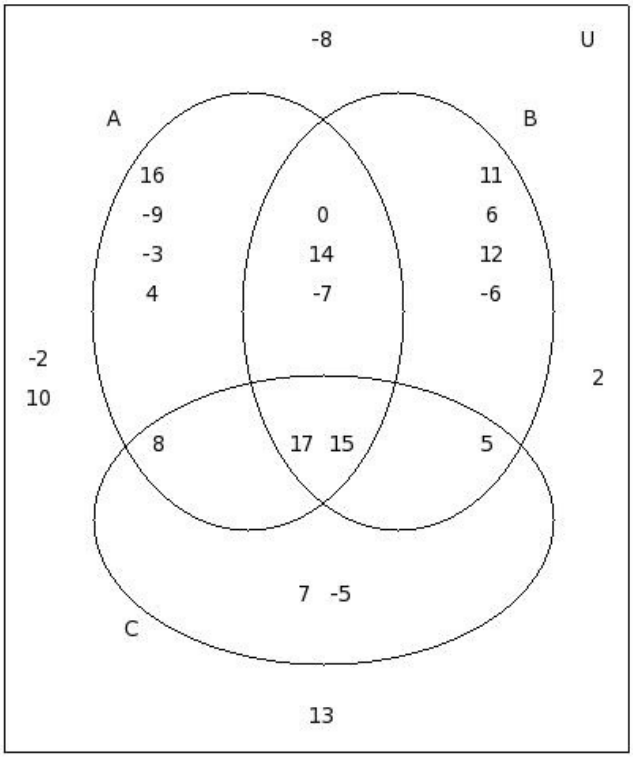


(i) {-1,5,6,3,-4,13,8,4,1,10,14,15,-5,16} (ii) {-1,5,6,3,-4,2,13,8,4,1,10,14,15,-5,16}

(iii) {-1,5,6,3,-4,2,13,8,4,1,10,14,15,-5,16,11} (iv) {-1,5,6,3,-4,2,13,4,1,10,14,15,-5,16,0}

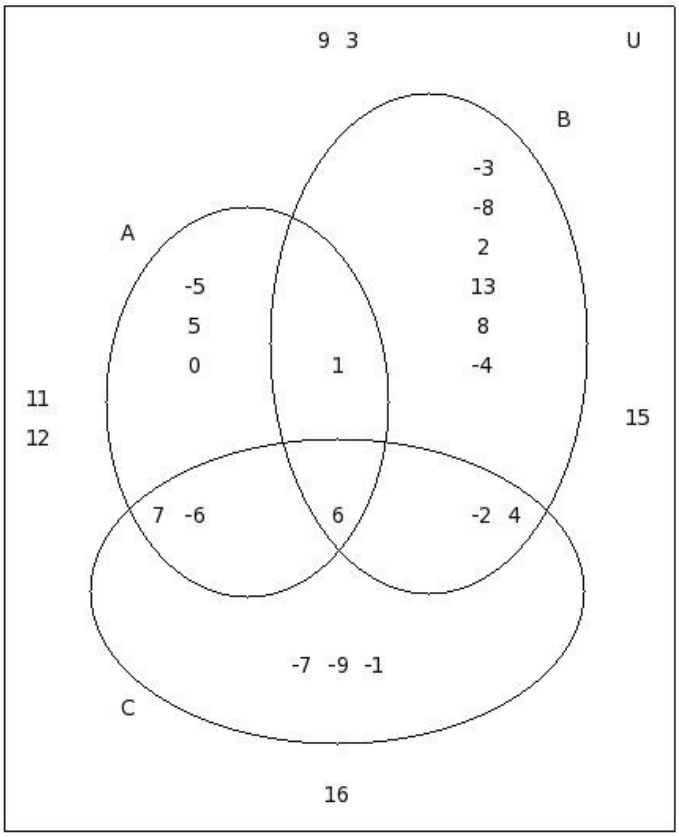
(v) {-1,5,6,3,-4,2,13,8,4,1,10,14,-5,16,11}

8. Find A ∩ B



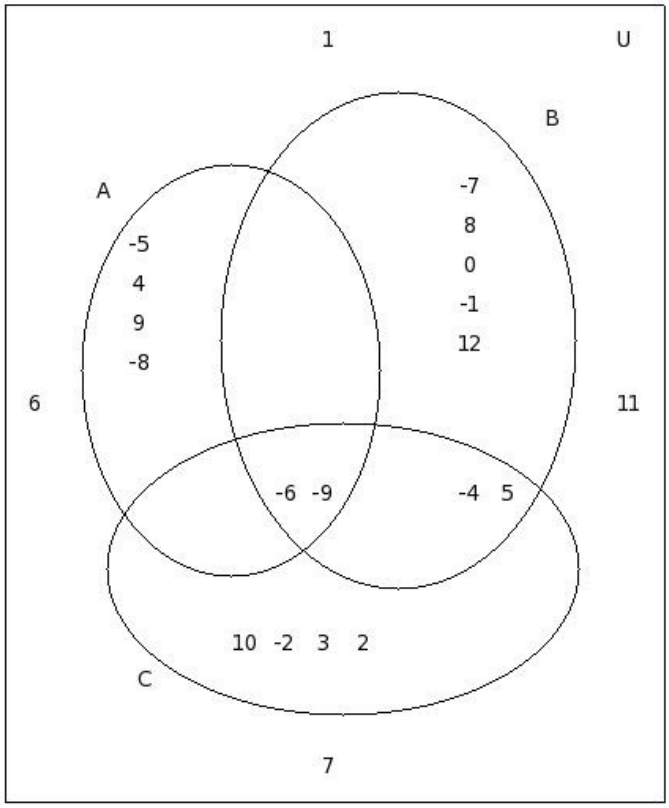
(i) {14,-7,0,15,13} (ii) {17,14,-7,15,-9} (iii) {17,14,-7,0,15} (iv) {17,14,0,15} (v) {17,14,-7,0,15,13}

9. Find B ∩ C



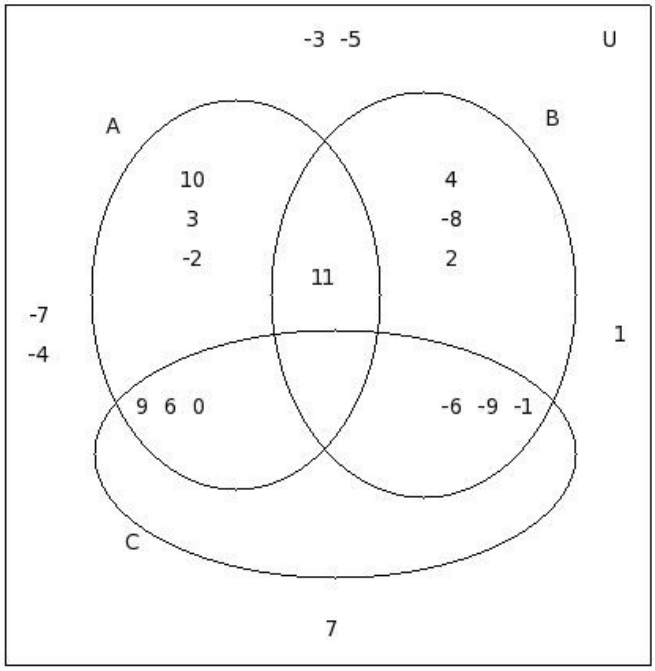
(i) {-2,6,12} (ii) {6,4} (iii) {-2,6,4} (iv) {-2,6,-5} (v) {-2,6,4,-5}

10. Find C ∩ A



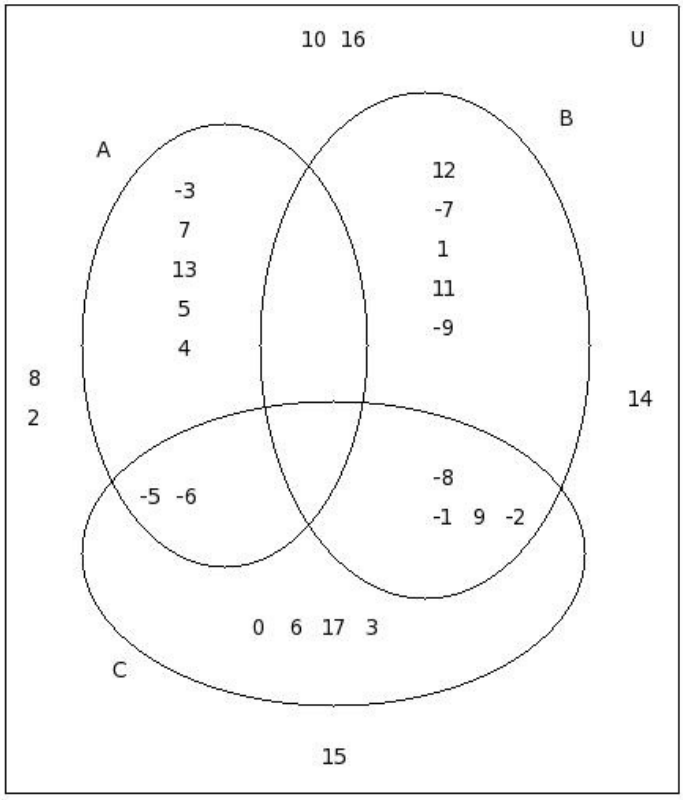
(i) {-6} (ii) {-9,-6} (iii) {-9,4} (iv) {-9,-6,4} (v) {-6,10}

11. Find A ∩ B ∩ C



(i) {-8} (ii) {3} (iii) {}

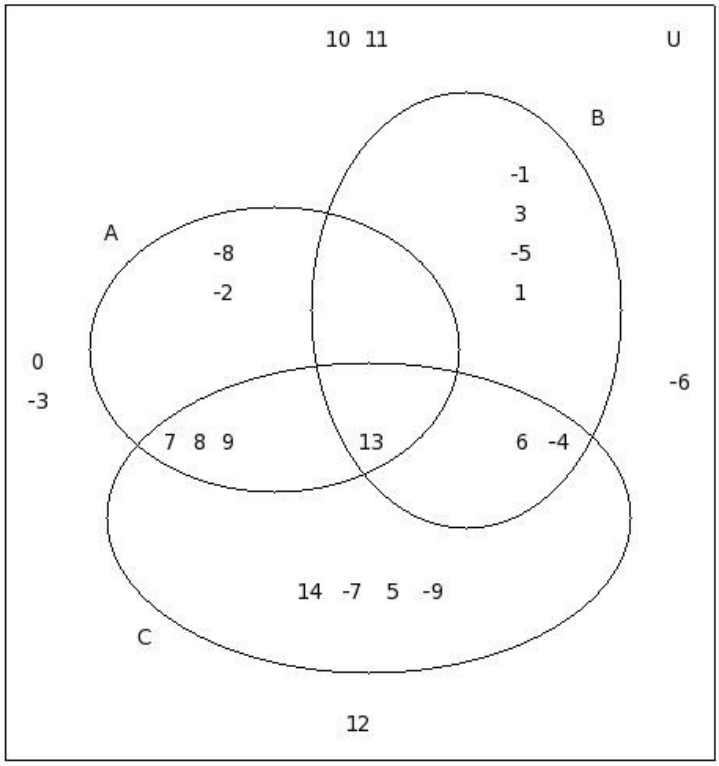
12. Find A ∪ (B ∩ C)



(i) {7,13,9,4,-5,-8,-2,-3,-6,-1,14} (ii) {7,13,9,4,-5,-8,-2,-3,-6,-1,-7} (iii) {7,13,9,-5,-8,-2,-3,5,-6,-1}

(iv) {7,13,9,4,-5,-8,-2,-3,5,-6,-1} (v) {7,13,9,4,-5,-8,-2,-3,5,-6,-1,14}

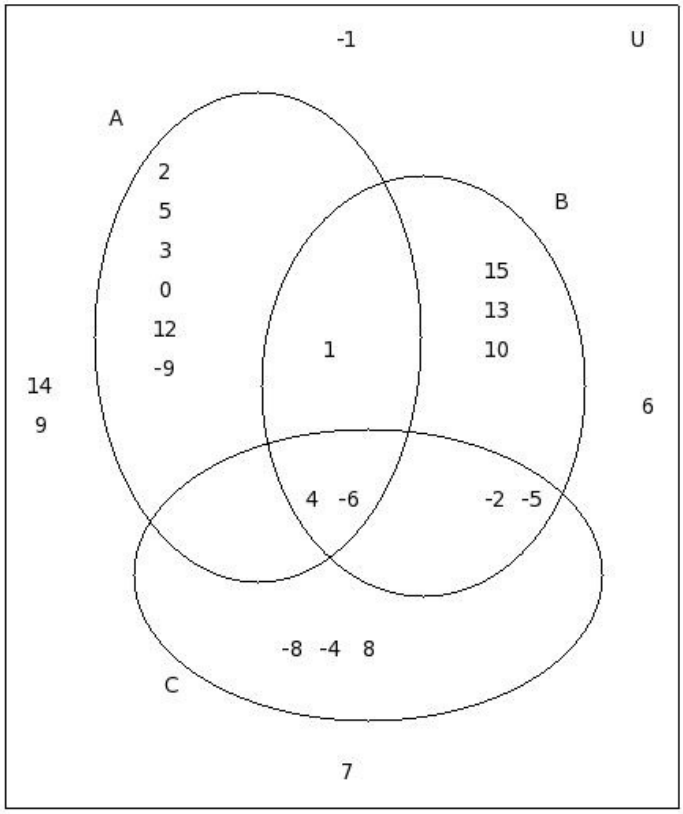
13. Find B ∪ (C ∩ A)



(i) {9,-1,7,-5,1,8,-4,13,6,3,12} (ii) {9,-1,7,-5,1,8,-4,13,6,3} (iii) {9,-1,7,-5,8,-4,13,6,3}

(iv) {9,-1,7,-5,8,-4,13,6,3,-2} (v) {9,-1,7,-5,1,-4,13,6,3,12}

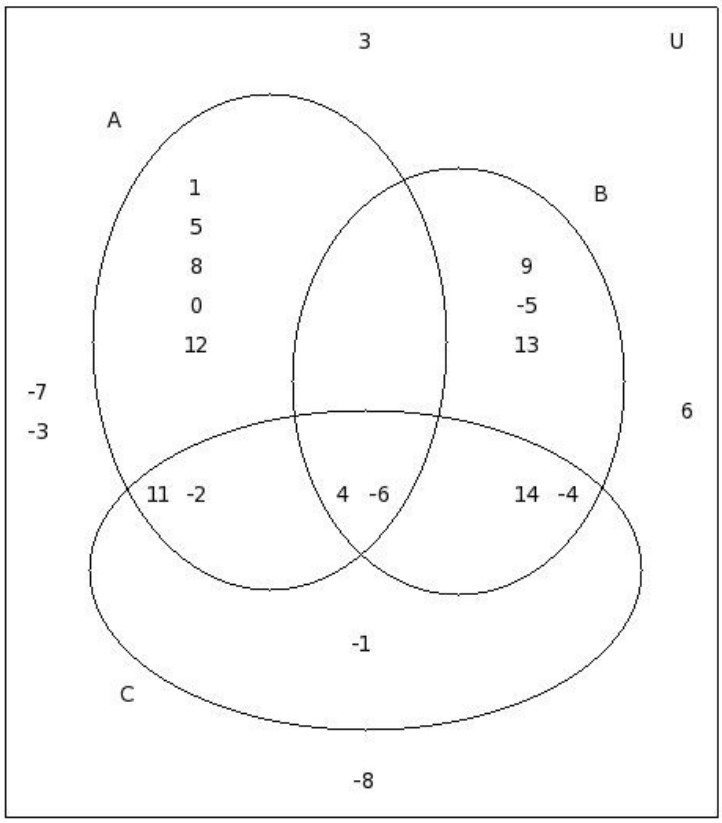
14. Find C ∪ (A ∩ B)



(i) {-2,-5,-4,1,-8,-6,4,8,2} (ii) {-2,-5,-4,1,-8,-6,4,8} (iii) {-2,-5,-4,1,-6,4,8,12} (iv) {-2,-5,1,-8,-6,4,8,2}

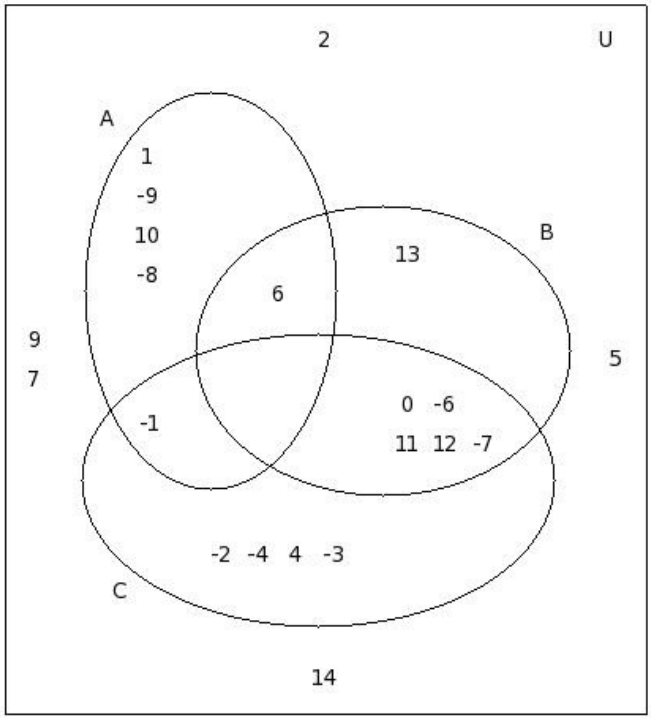
(v) {-2,-5,-4,-8,-6,4,8}

15. Find A ∩ (B ∪ C)



(i) {-6,-2,11} (ii) {-6,11,4,14} (iii) {-6,-2,11,4} (iv) {-6,-2,11,4,14} (v) {-6,-2,11,-8}

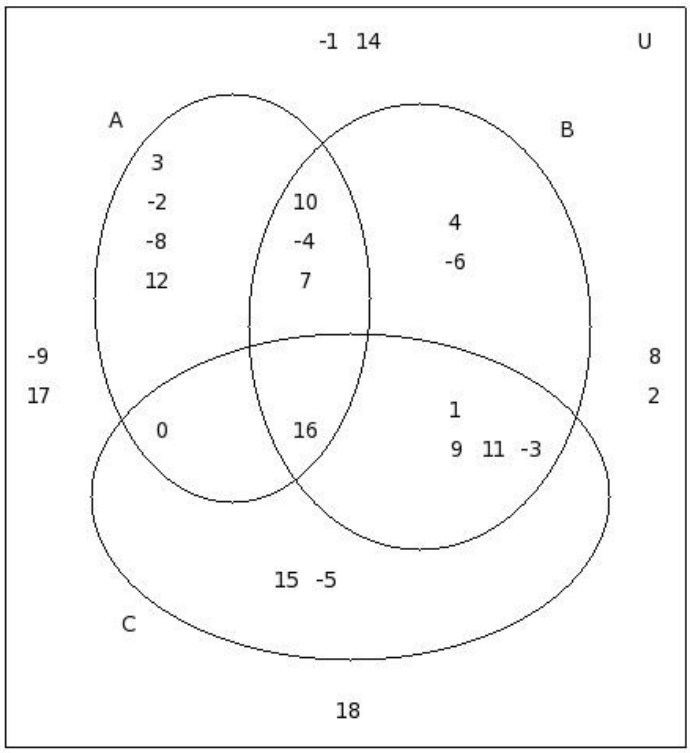
16. Find B ∩ (C ∪ A)



(i) {12,11,6,-7,0,-6} (ii) {12,11,6,0,-6,13} (iii) {12,11,6,-7,0,1} (iv) {12,11,6,-7,0,-6,1}

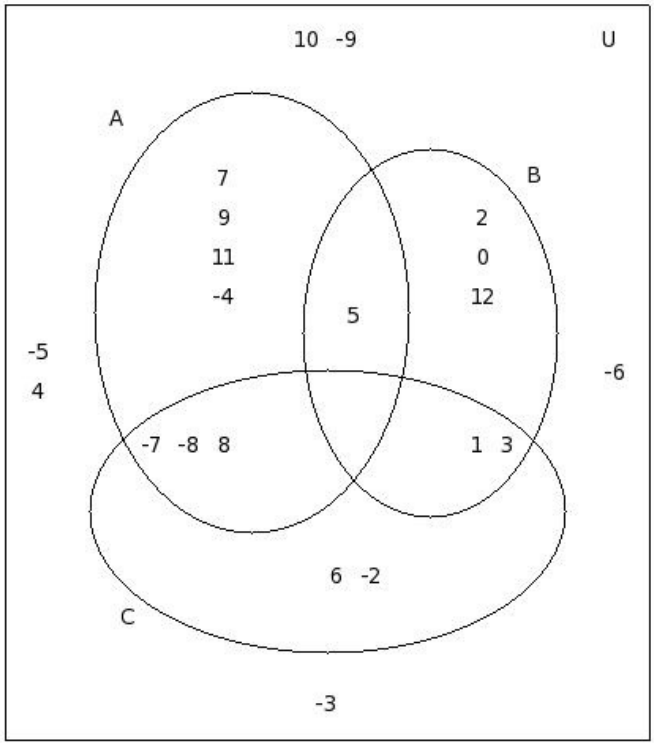
(v) {11,6,-7,0,-6}

17. Find A − (B ∪ C)



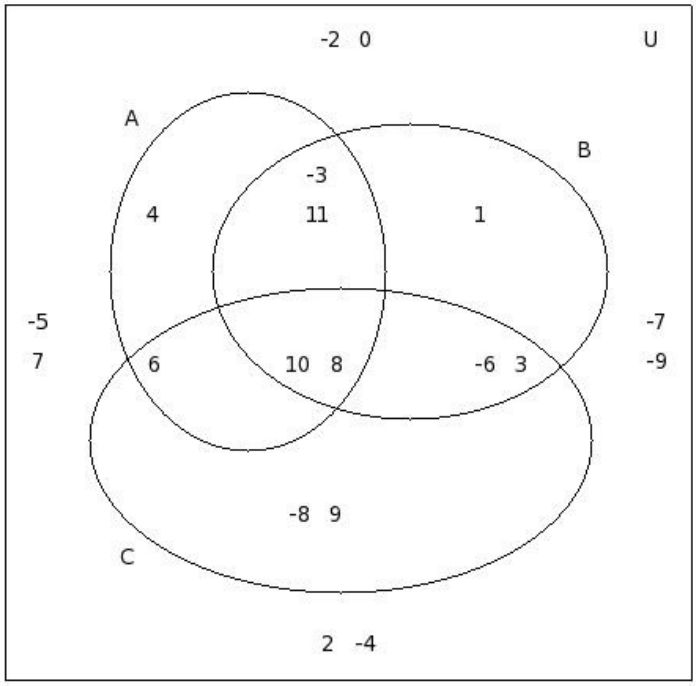
(i) {3,12,-2,14} (ii) {3,12,-2,-8} (iii) {3,12,-8} (iv) {3,12,-2,-8,8} (v) {3,12,-2,8}

18. Find B − (C ∪ A)



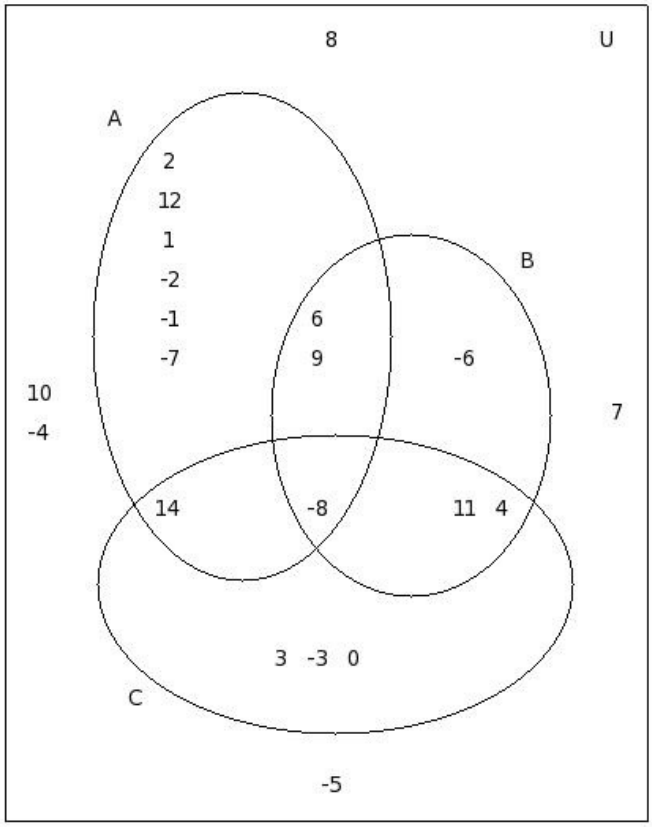
(i) {12,2,0} (ii) {2,0} (iii) {12,2,0,-9} (iv) {12,0,-9} (v) {2,0,9}

19. Find A − (B ∩ C)



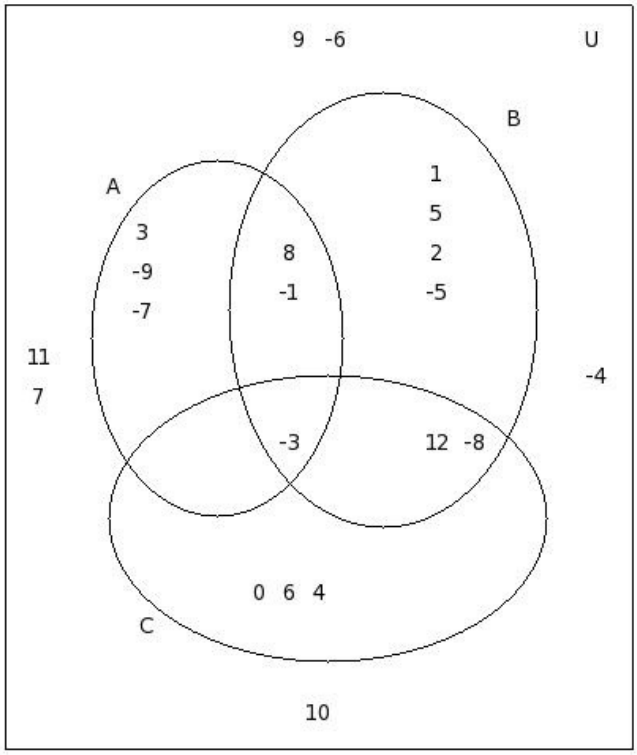
(i) {4,11,6,-9} (ii) {4,11,-3,6} (iii) {4,11,-3,-8} (iv) {11,-3,6} (v) {4,11,-3,6,-9}

20. Find B − (C ∩ A)



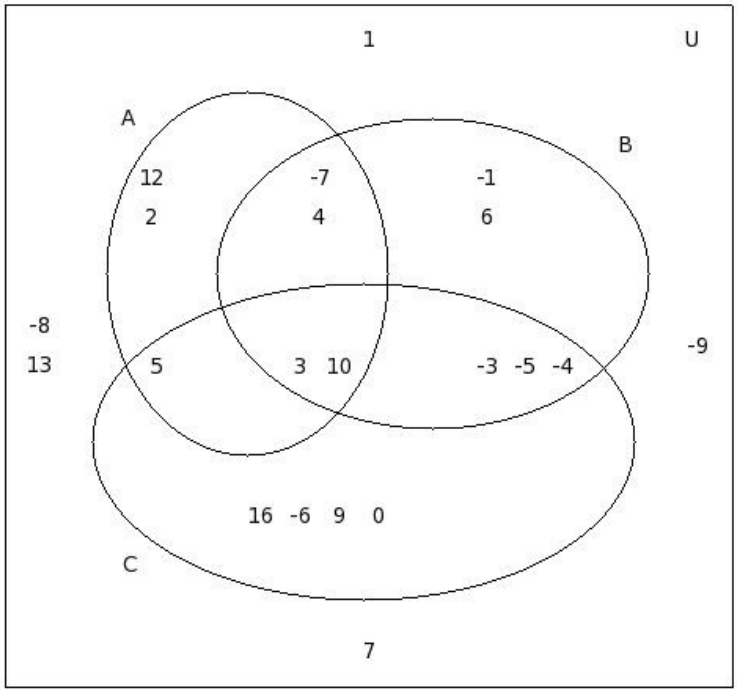
(i) {11,-6,6,4,9} (ii) {-6,6,4,9} (iii) {11,6,4,9,2} (iv) {11,-6,6,4,9,2} (v) {11,-6,4,9,14}

21. Find A − (A ∩ (B ∩ C))



(i) {3,-9,-1,-7,1} (ii) {3,-9,8,-7,11} (iii) {3,-9,-1,8,-7} (iv) {3,-1,8,-7} (v) {3,-9,-1,8,-7,1}

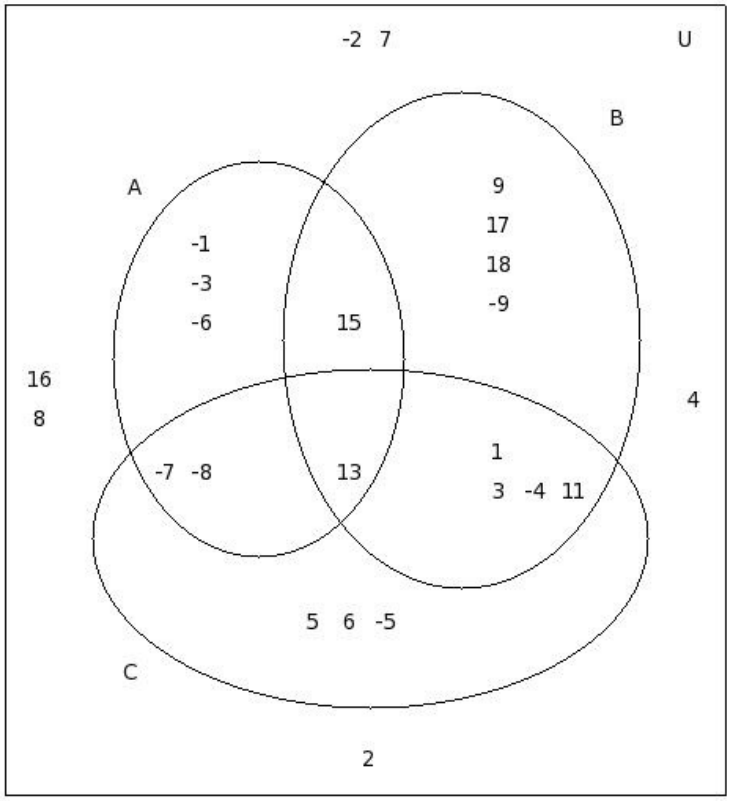
22. Find B − (A ∩ (B ∩ C))



(i) {-3,-1,6,-4,4,-5,-7,5} (ii) {-3,6,-4,4,-5,-7,5} (iii) {-1,6,-4,4,-5,-7,-8} (iv) {-3,-1,6,-4,4,-7}

(v) {-3,-1,6,-4,4,-5,-7}

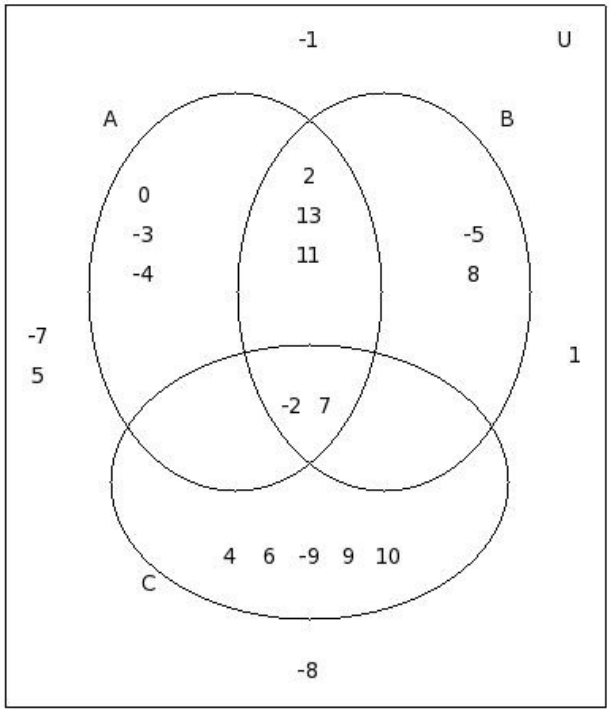
23. Find C − (A ∩ (B ∩ C))



(i) {-5,5,11,-4,-7,6,3,-8,15} (ii) {1,5,11,-4,-7,6,3,-8,-1} (iii) {-5,1,5,11,-4,-7,6,3,-8,-1}

(iv) {-5,1,5,11,-4,-7,6,-8} (v) {-5,1,5,11,-4,-7,6,3,-8}

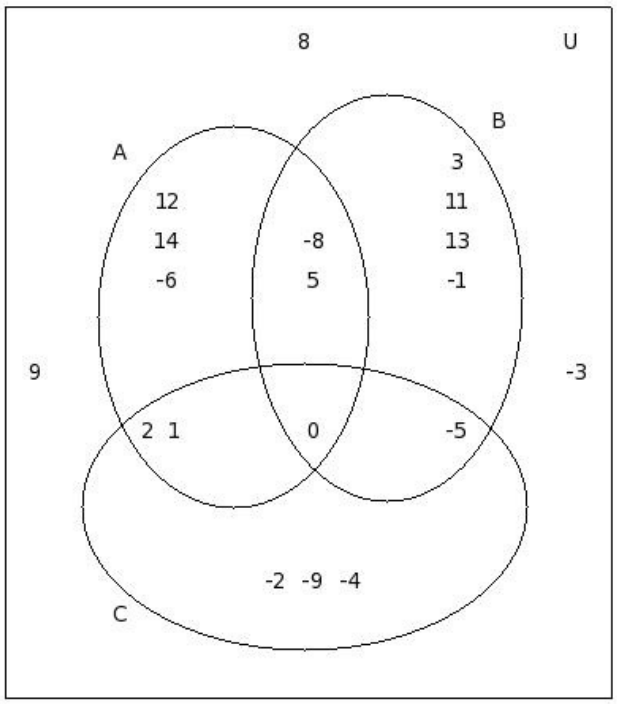
24. Find A'



(i) {-7,-5,4,-9,-8,10,1,8,9,6,5,-4} (ii) {-7,-5,-1,4,-9,-8,10,1,8,9,6,5,-4} (iii) {-7,-5,-1,4,-9,-8,1,8,9,6,5}

(iv) {-7,-5,-1,4,-9,-8,10,1,8,9,6,5} (v) {-7,-5,-1,4,-9,-8,1,8,9,6,5,7}

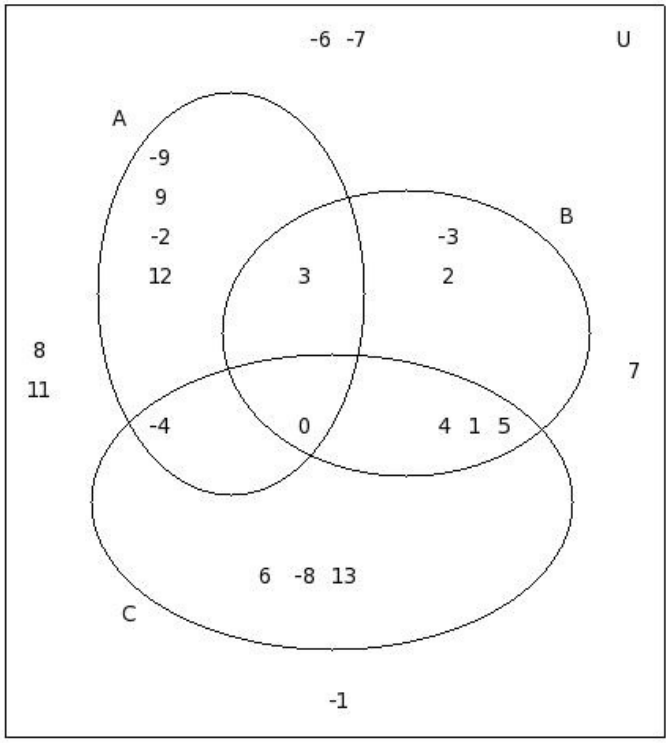
25. Find B'



(i) {-9,1,12,-6,14,-2,-3,9,8,2,-8} (ii) {-9,1,12,-6,14,-2,-3,9,8,2} (iii) {-9,1,12,-6,-4,14,-2,-3,9,8,2}

(iv) {-9,1,12,-6,-4,14,-2,9,8,2,-1} (v) {-9,1,12,-6,-4,14,-2,-3,9,8,2,-8}

26. Find C'

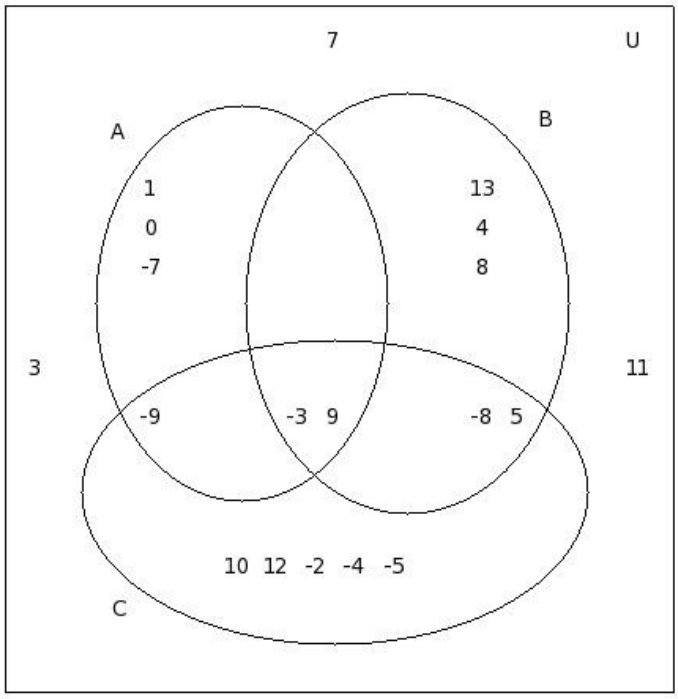


(i) {-1,-2,2,8,12,7,-7,-9,9,-6,11,3,-3,4} (ii) {-1,-2,2,8,12,7,-7,-9,-6,11,3,-3}

(iii) {-1,-2,2,8,12,7,-7,-9,9,11,3,-3,4} (iv) {-1,-2,2,8,12,7,-7,-9,9,-6,11,3,-3}

(v) {-1,-2,2,8,12,7,-7,-9,9,-6,11,-3,6}

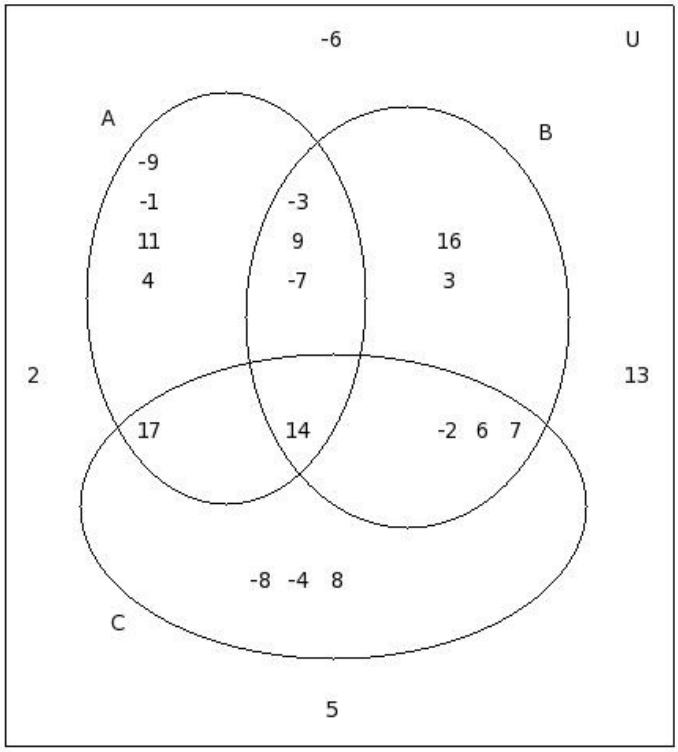
27. Find (A ∪ B)'



(i) {-2,-4,10,11,-5,3,12,7,5} (ii) {-4,10,11,-5,3,12,7,5} (iii) {-2,-4,10,-5,3,12,7} (iv) {-2,10,11,-5,3,12,7,4}

(v) {-2,-4,10,11,-5,3,12,7}

28. Find (A ∩ B)'

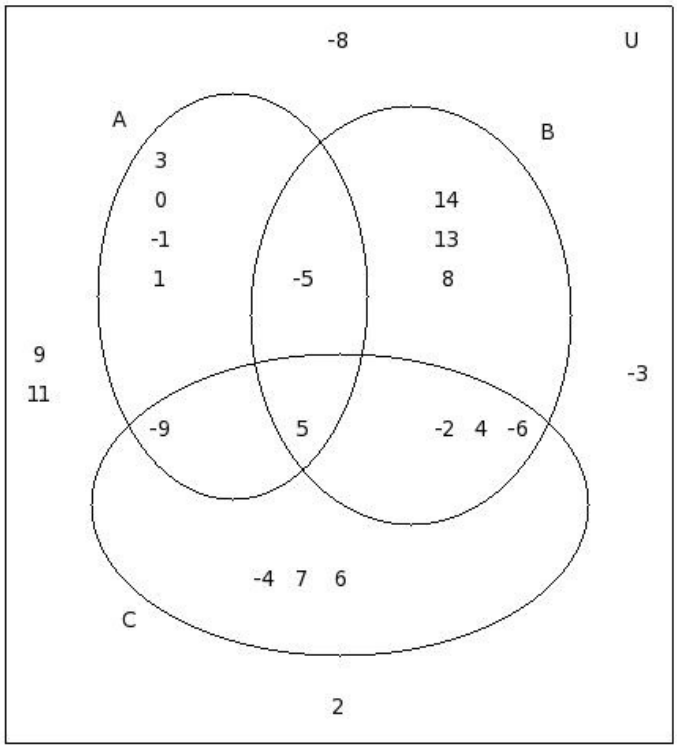


(i) {11,17,-8,-2,-6,13,7,6,3,-9,4,8,16,2,-1,-4,-3} (ii) {11,5,17,-8,-6,13,7,6,3,-9,4,8,16,2,-1,-4}

(iii) {11,5,17,-8,-2,-6,13,7,6,3,-9,8,16,2,-1,-4,-7} (iv) {11,5,17,-8,-2,-6,13,7,6,3,-9,4,8,16,2,-1,-4,-3}

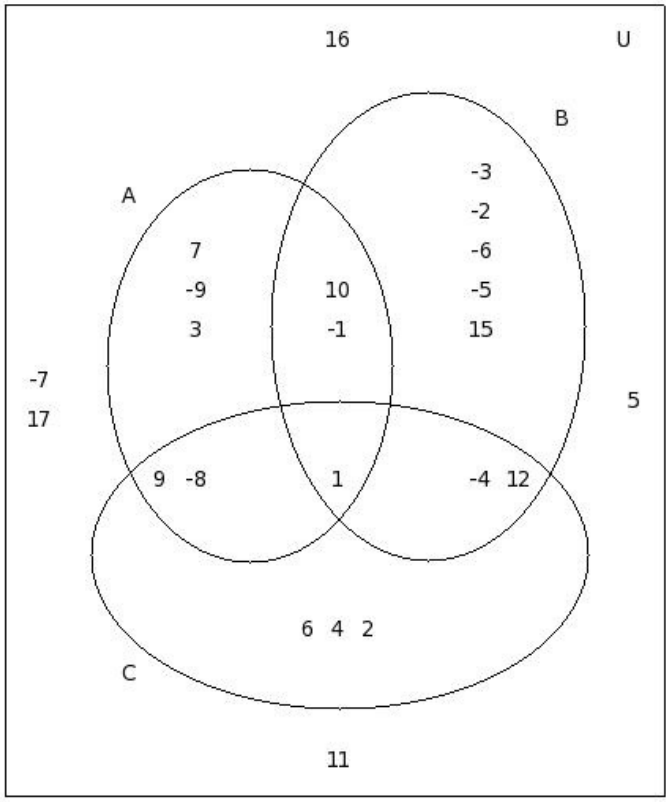
(v) {11,5,17,-8,-2,-6,13,7,6,3,-9,4,8,16,2,-1,-4}

29. Find (A − B) ∩ (A − C)



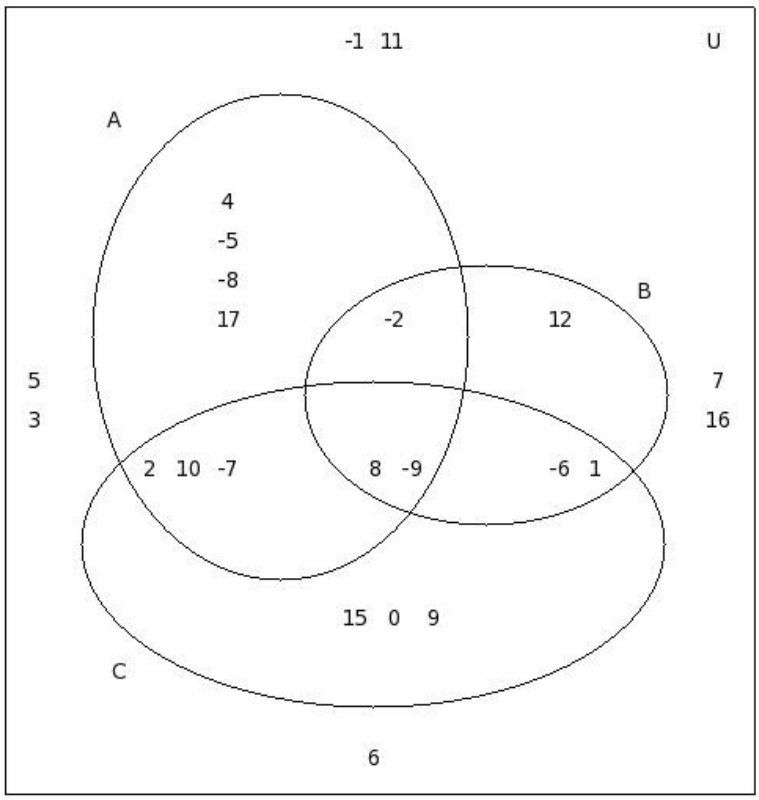
(i) {0,1,3} (ii) {-1,1,3,11} (iii) {-1,0,1,3,-6} (iv) {-1,0,1,-6} (v) {-1,0,1,3}

30. Find (B − C) ∩ (B − A)



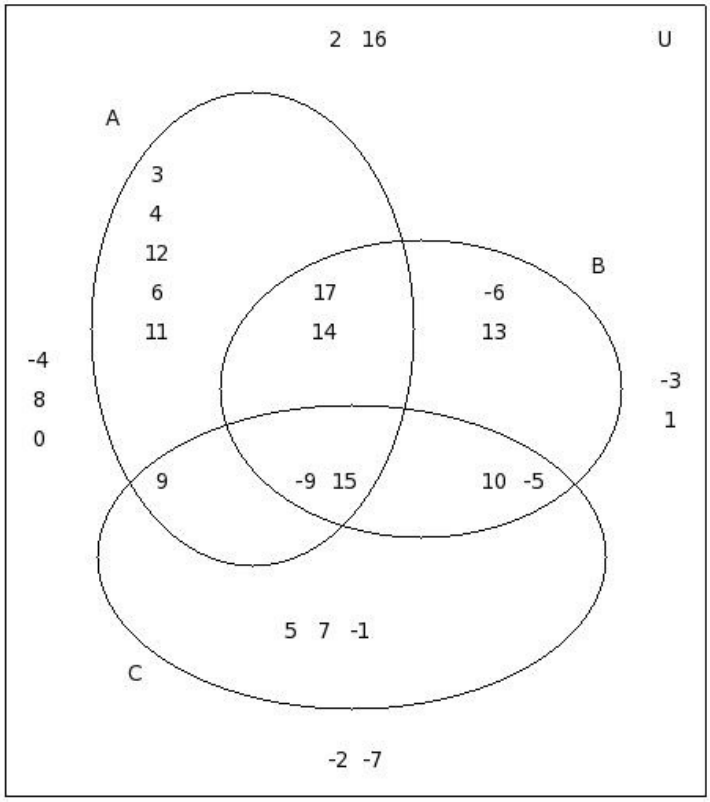
(i) {15,-5,-6,-3,11} (ii) {15,-5,-6,-2,-3} (iii) {15,-5,-6,-2,-3,11} (iv) {-5,-6,-2,-3} (v) {15,-5,-6,-3,-4}

31. Find (C − A) ∩ (C − B)



(i) {9,15} (ii) {0,15,8} (iii) {0,9,15,-6} (iv) {0,9,15} (v) {0,9,-6}

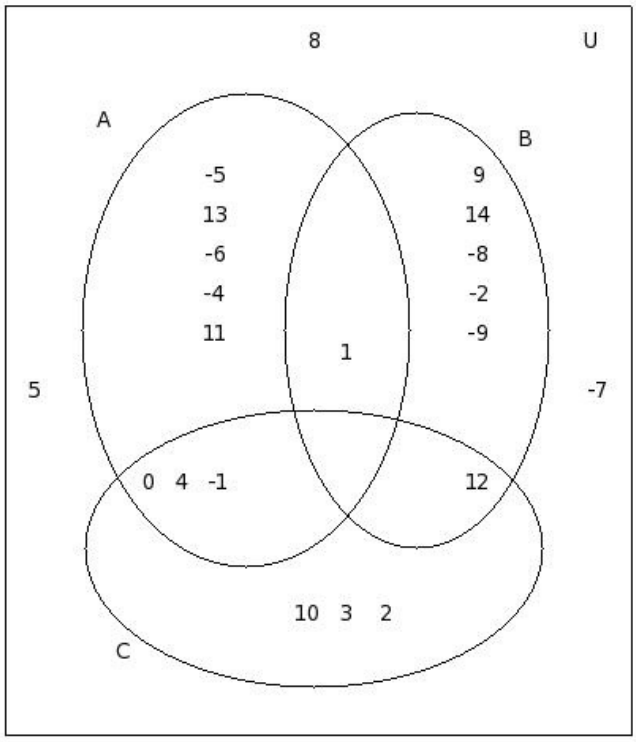
32. Find (A − B) ∪ (A − C)



(i) {12,9,3,14,17,4,6} (ii) {12,9,3,14,17,4,11,6} (iii) {9,3,14,17,4,11,6,-3} (iv) {12,9,3,14,17,4,11,6,0}

(v) {12,9,3,14,4,11,6,0}

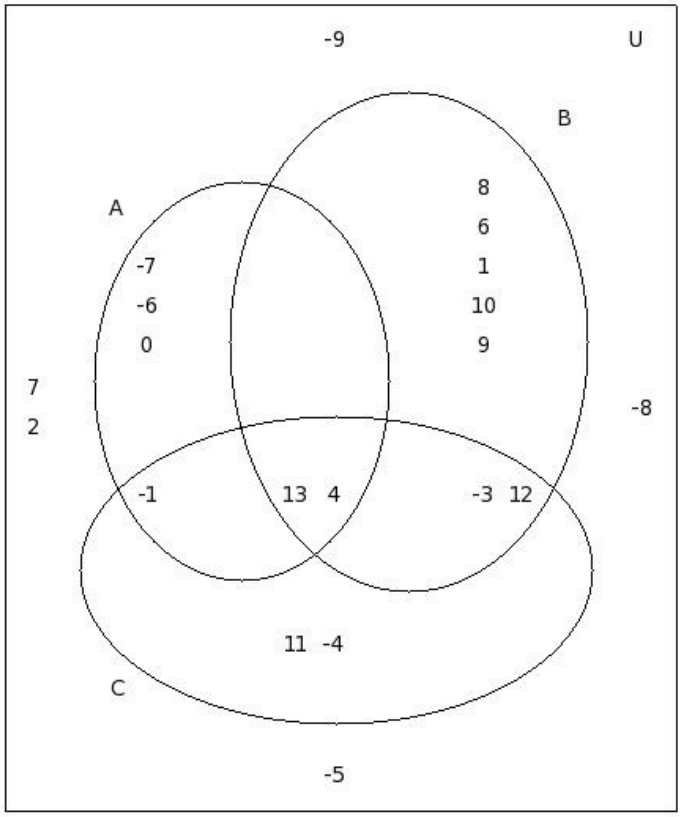
33. Find (B − C) ∪ (B − A)



(i) {14,1,-8,-2,-9,12,9,-7} (ii) {14,-8,-2,-9,12,9} (iii) {14,1,-8,-2,-9,12,-7} (iv) {1,-8,-2,-9,12,9,10}

(v) {14,1,-8,-2,-9,12,9}

34. Find (C − A) ∪ (C − B)



(i) {12,-3,-4,11,-1} (ii) {-3,-4,11,-1,4} (iii) {12,-3,-4,11,-1,-6} (iv) {-3,-4,11,-1,-6} (v) {12,-4,11,-1}

Assignment Key

1) (ii)	2) (iv)	3) (i)	4) (ii)	5) (v)	6) (v)
7) (ii)	8) (iii)	9) (iii)	10) (ii)	11) (iii)	12) (iv)
13) (ii)	14) (ii)	15) (iii)	16) (i)	17) (ii)	18) (i)
19) (ii)	20) (i)	21) (iii)	22) (v)	23) (v)	24) (iv)
25) (iii)	26) (iv)	27) (v)	28) (v)	29) (v)	30) (ii)
31) (iv)	32) (ii)	33) (v)	34) (i)		

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