

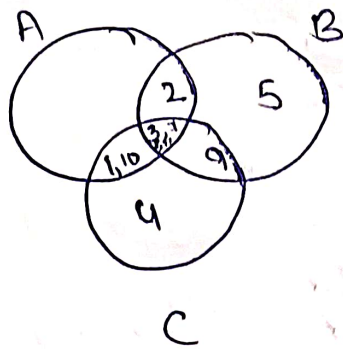
# Activity - 6

2203A52182  
Batch-22

C_id	A(Elec)	A (cloth)	C(Housing)
1	1	0	1
2	1	1	0
3	1	1	1
4	0	0	1
5	0	1	0
6	0	0	0
7	1	1	1
8	1	1	1
9	0	0	1
10	1	1	1
11	1	1	1

1. Find the customers purchasing atleast 2 products
  2. Compute  $A \cup B$
  3.  $A \cup B \cup C$
  4. Find the customers who are purchasing atleast 1 product, exactly 2 products, none at all
  5. Find the customers who are more likely to purchase, electronics and clothing
- ∴ The customer who purchased electronics what is the probability they also purchase clothing

Answer:



- 1)  $\{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11\}$
- 2)  $\{1, 2, 3, 5, 7, 8, 9, 10, 11\}$
- 3)  $\{1, 2, 3, 4, 5, 7, 8, 9, 10, 11\}$
- 4) At least 1 product:  $\{1, 2, 3, 4, 5, 7, 8, 9, 10, 11\}$   
Exactly 2 product:  $\{1, 4, 5, 9, 10\}$   
None:  $\{6\}$

5)  $\{2, 3, 7, 8, 11\}$

6)  $A \text{ and } B = \frac{A \cap B}{A + B} = \frac{5}{7+7} = \frac{5}{14}$