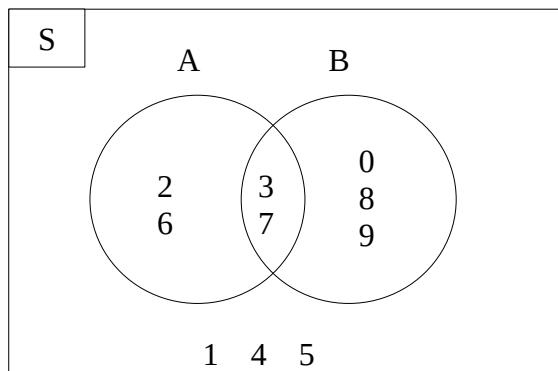


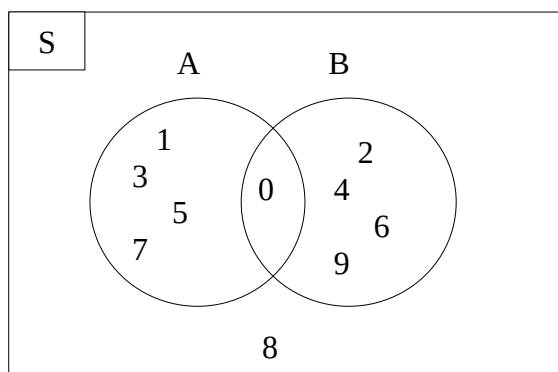
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**NIM** : 201420001  
**Fakultas** : Ilmu Komputer  
**Prodi** : Teknik Informatika

1. Gambarkan dengan diagram Venn himpunan – himpunan berikut ini :

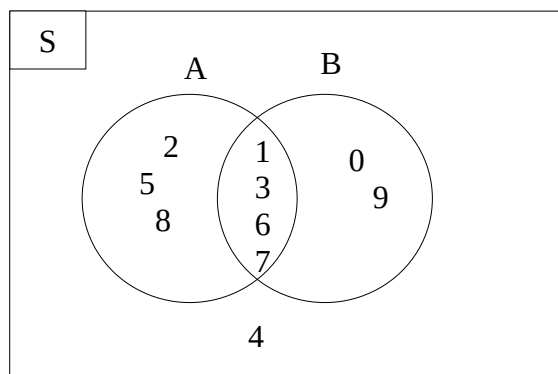
A.  $S = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9\}$ ,  $A = \{2, 3, 6, 7\}$  dan  $B = \{0, 3, 7, 8, 9\}$



B.  $S = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9\}$ ,  $A = \{0, 1, 3, 5, 7\}$  dan  $B = \{0, 2, 4, 6, 9\}$



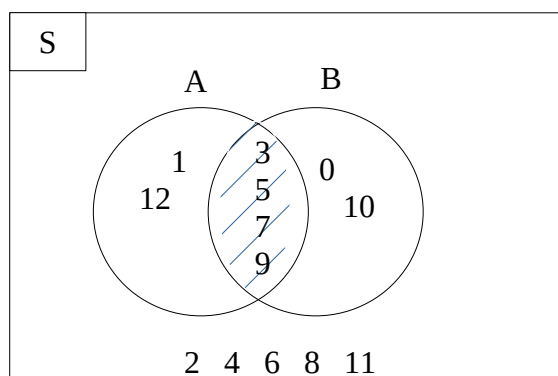
C.  $S = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9\}$ ,  $A = \{1, 2, 3, 5, 6, 7, 8\}$  dan  $B = \{0, 1, 3, 6, 7, 9\}$



2. Jika himpunan  $S = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\}$ ,  $A = \{1, 3, 5, 7, 9, 12\}$  dan  $B = \{0, 3, 5, 7, 9, 10\}$

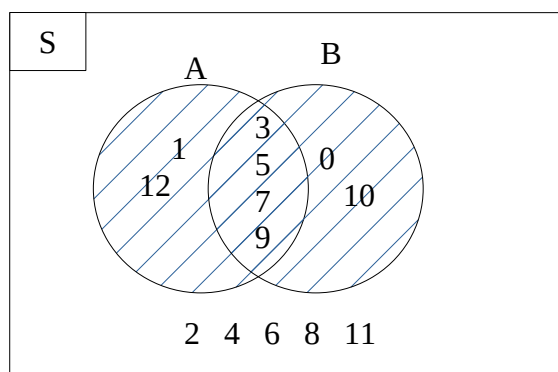
Tentukanlah himpunan dan diagram dari;

A. Irisan A dan B



$$A \cap B = \{3, 5, 7, 9\}$$

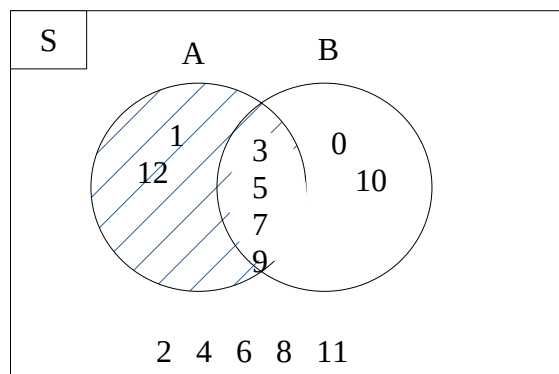
B. Gabungan A dan B



$$A \cup B = \{0, 1, 3, 5, 7, 9, 10, 12\}$$



D. Selisih A dan B



$$A - B = \{1, 12\}$$

E. Beda setangkup A dan B

