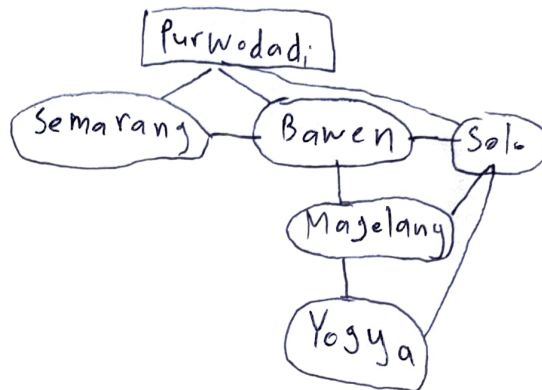


① Saya, nama: Auliya Mujaddidurrahman NIM: 29060118130077
mengerjakan ujian ini dengan jujur

② a.) BFS

| Iterasi | V | Q |
|--------------|------------|-----------------|
| inisialisasi | Purwodadi | $\{P\}$ |
| 1 | Purwodadi | $\{Sm, B, So\}$ |
| 2 | Semarang | $\{B, So\}$ |
| 3 | Bawen | $\{So, Mg\}$ |
| 4 | Solo | $\{Mg, Yg\}$ |
| 5 | Magelang | $\{Yg\}$ |
| 6 | Yogyakarta | $\{\}$ |



Purwodadi — Semarang — Bawen — Solo — Magelang — Yogyakarta

b.) DFS

| Iterasi | V | Stack |
|--------------|------------|-----------------|
| inisialisasi | Purwodadi | $\{P\}$ |
| 1 | Purwodadi | $\{Sm, B, So\}$ |
| 2 | Semarang | $\{B, So\}$ |
| 3 | Bawen | $\{Mg, So\}$ |
| 4 | Magelang | $\{Yg, So\}$ |
| 5 | Yogyakarta | $\{So\}$ |

Purwodadi — Semarang — Bawen — Magelang — Yogyakarta

c.) Backtracking

| Iterasi | V | Stack |
|--------------|------------|-----------------|
| inisialisasi | Purwodadi | $\{P\}$ |
| 1 | Purwodadi | $\{Sm, B, So\}$ |
| 2 | Semarang | $\{B, So\}$ |
| 3 | Bawen | $\{Mg, So\}$ |
| 4 | Magelang | $\{Yg, So\}$ |
| 5 | Yogyakarta | $\{So\}$ |

Purwodadi — Semarang — Bawen — Magelang — Yogyakarta