

$Q_{1,3}$

A. Query

Ψ_1

D. Query Result

Inverted list

| | | | | |
|-----------------------------|--------------------|---------------------------------------|-----------------------------------|-------------------------|
| $1 : \{\mathbf{v}_1, v_4\}$ | $2 : \{v_3, v_4\}$ | $3 : \{\mathbf{v}_1, v_2, v_3, v_4\}$ | $4 : \{v_1, v_2, v_3, v_4, v_5\}$ | $5 : \{v_2, v_3, v_5\}$ |
|-----------------------------|--------------------|---------------------------------------|-----------------------------------|-------------------------|

*C. Query
start & end node*

Cache

| | | | | |
|---------------------------------|---------------------------------|--------------------------------------|---------------------------------|----------------------------|
| $\langle v_1, v_3, v_4 \rangle$ | $\langle v_3, v_4, v_5 \rangle$ | $\langle v_2, v_3, v_4, v_5 \rangle$ | $\langle v_1, v_3, v_2 \rangle$ | $\langle v_4, v_5 \rangle$ |
|---------------------------------|---------------------------------|--------------------------------------|---------------------------------|----------------------------|

Ψ_1

Ψ_2

Ψ_3

Ψ_4

Ψ_5