```
10:13:34.920 : Starting AirDrop server for user 501 on wake
```
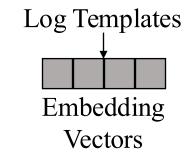
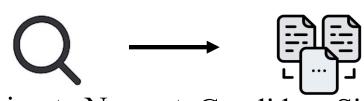① **LLM Processing** 🝆

```
10:13:34.<*> : Starting AirDrop server for user <*> on wake
```

Log Templates

Embedding Vectors

② **Semantic Embedding Extraction (SentenceBERT)**

Embedding vectors:
$e(T_q), e(T_1), e(T_2)$ ...

③ **Candidate Screening**

Approximate Nearest Neighbor Search → Candidate Similar Templates

Small candidate set $C = \{T_a, T_b, ...\}$, for example:

T_a: `10:<*> : Starting AirDrop server for user <*> on wake`

T_b: `<*> : Starting AirDrop server for user <*> on wake`

④ **Confidence-Weighted Similarity Scoring** 🖩

Final merged template:
`<*> : Starting AirDrop server for user <*> on wake`

⑤ **Clustering and Merging**

Filtered merge candidates $M \subseteq C$, for example: $M = \{T_b\}$