03_Illustration of Apriori Analysis

Important Conclusions

1) Time complexity is loop only

2) Not only loops —> Larger loops(i.e n2 or n)

3) No loop at all —> O(1) constant time complexity

Examples:

$$i = n$$

$$\text{while } i \geqslant 1:$$

$$\qquad i = i - 30$$

$$\qquad i = i - 5$$

$$i = i - 35$$

$$\hookrightarrow \; \frac{n}{35} = \mathcal{O}(n)$$