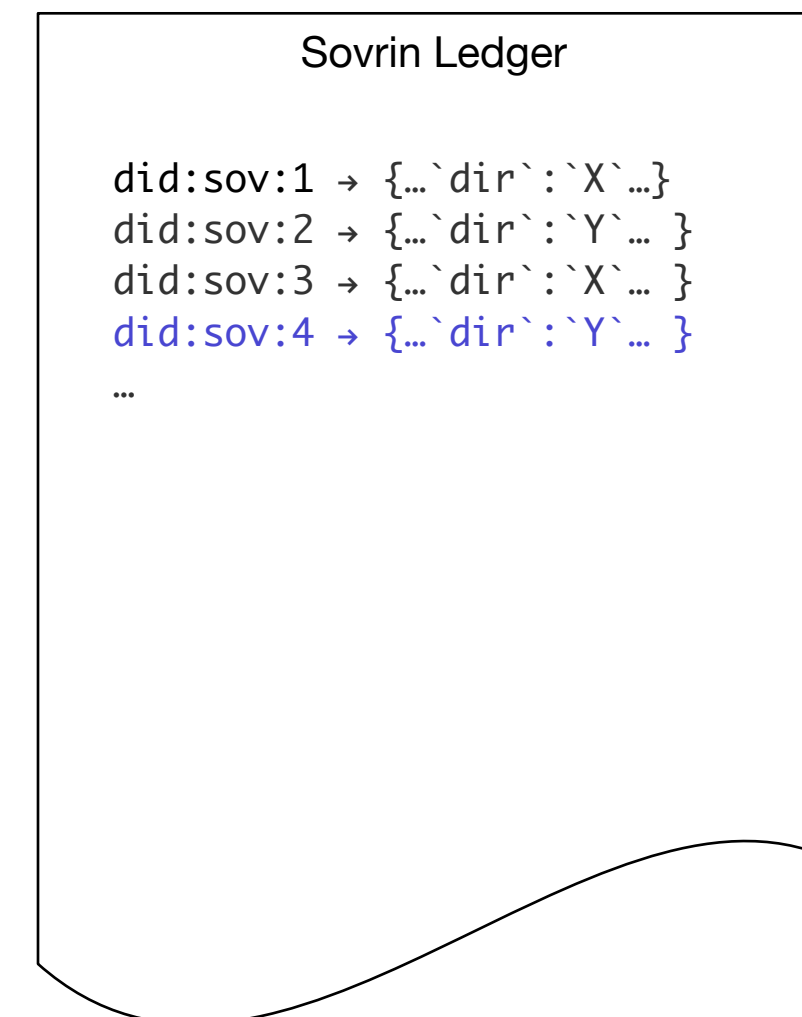
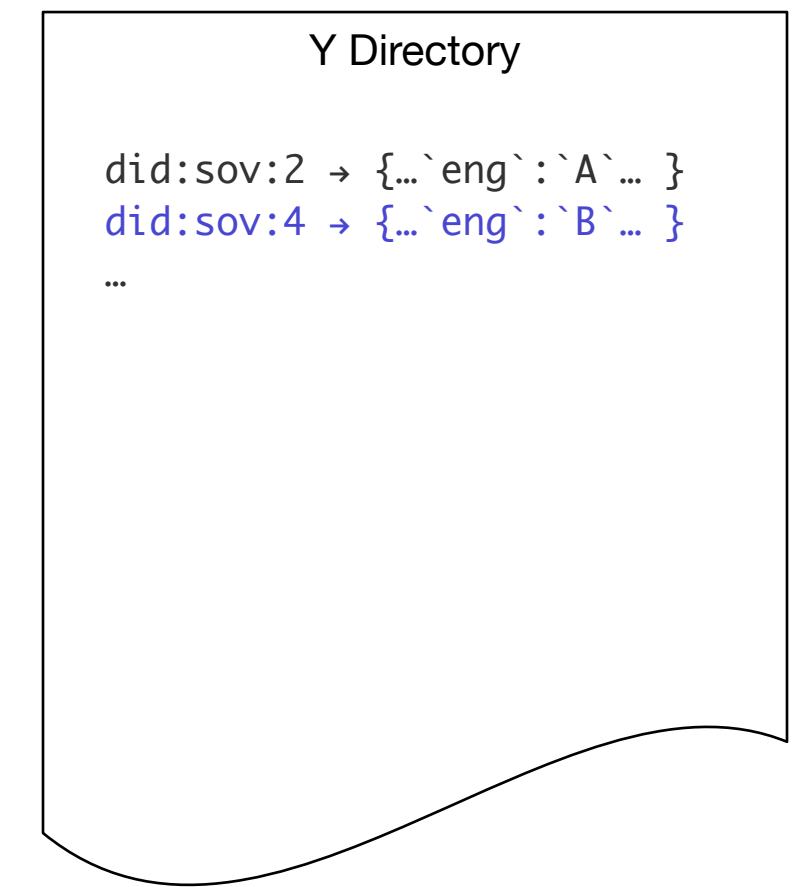
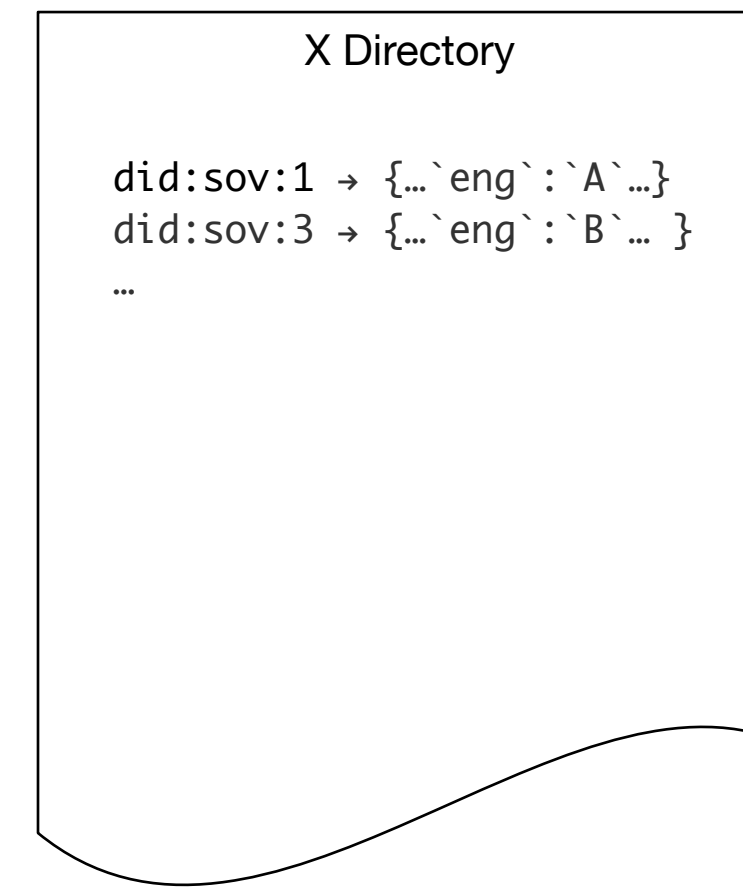
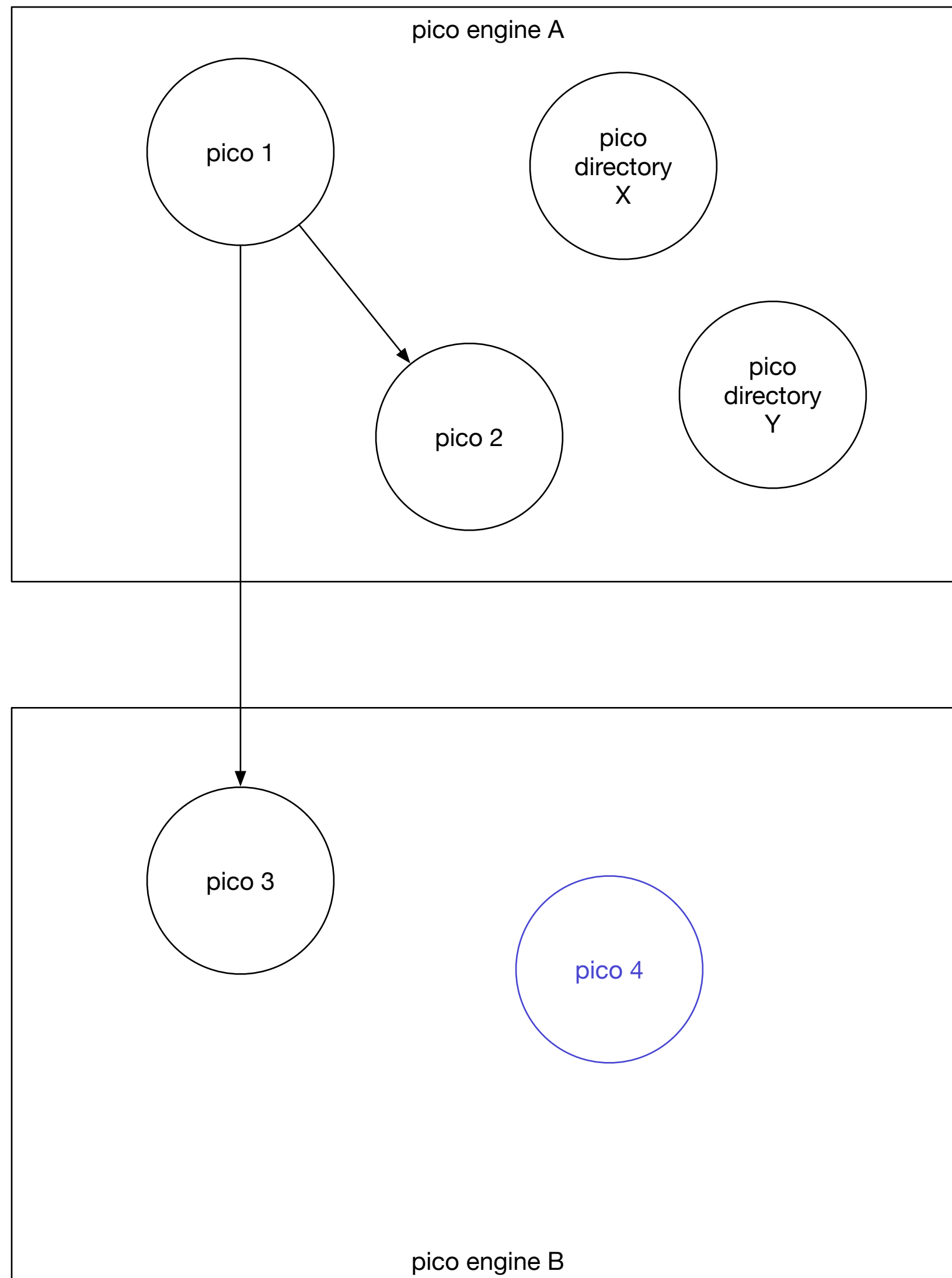
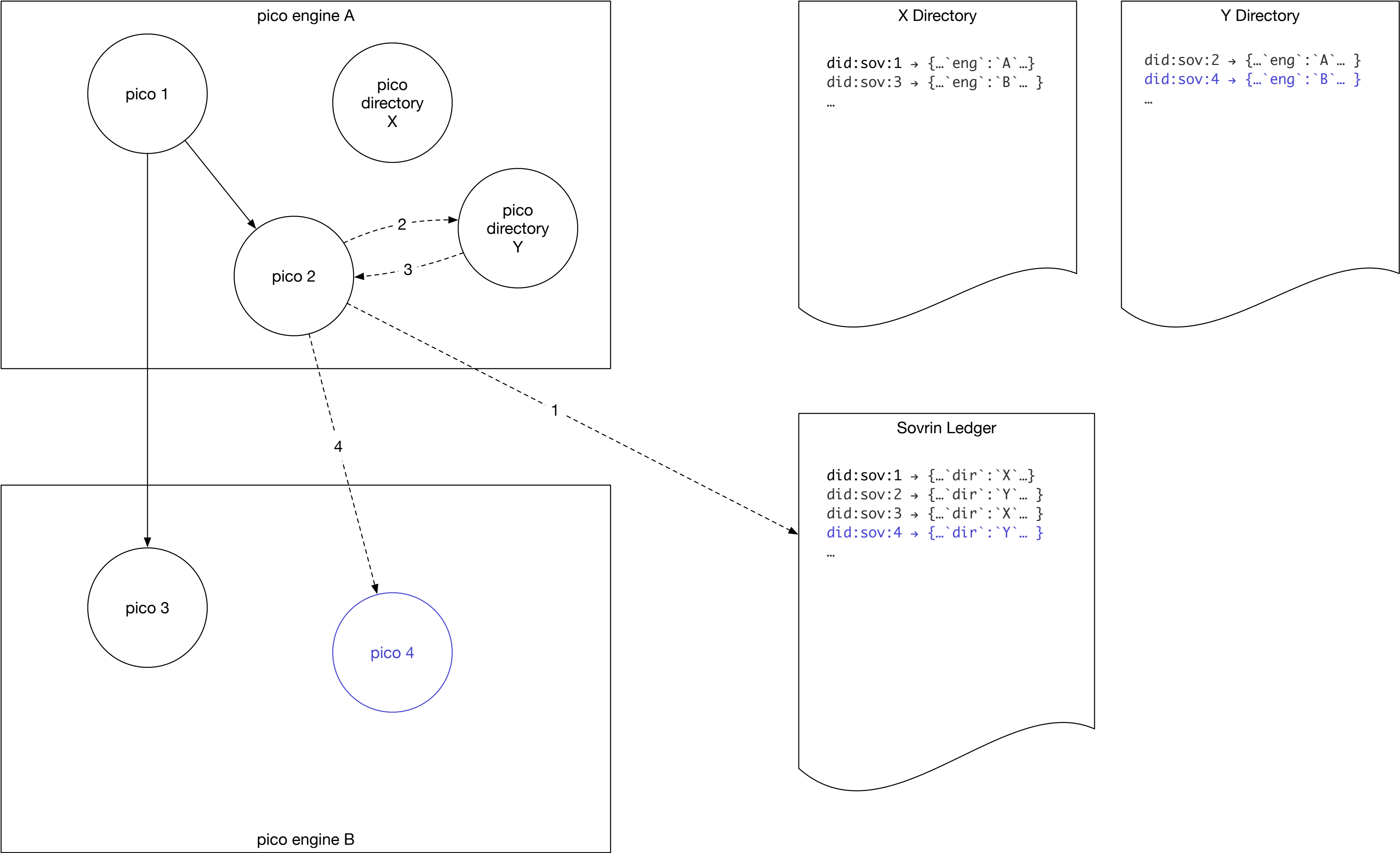


- Initial State**
- 1. There are three picos in two engines
  - 2. There are two directories (just picos) with arbitrary location
  - 3. Directories record engine location (Internet end point)
  - 4. Sovrin ledger links pico name (as DID) to DDO giving (among other things) the directory where the pico's information is located.



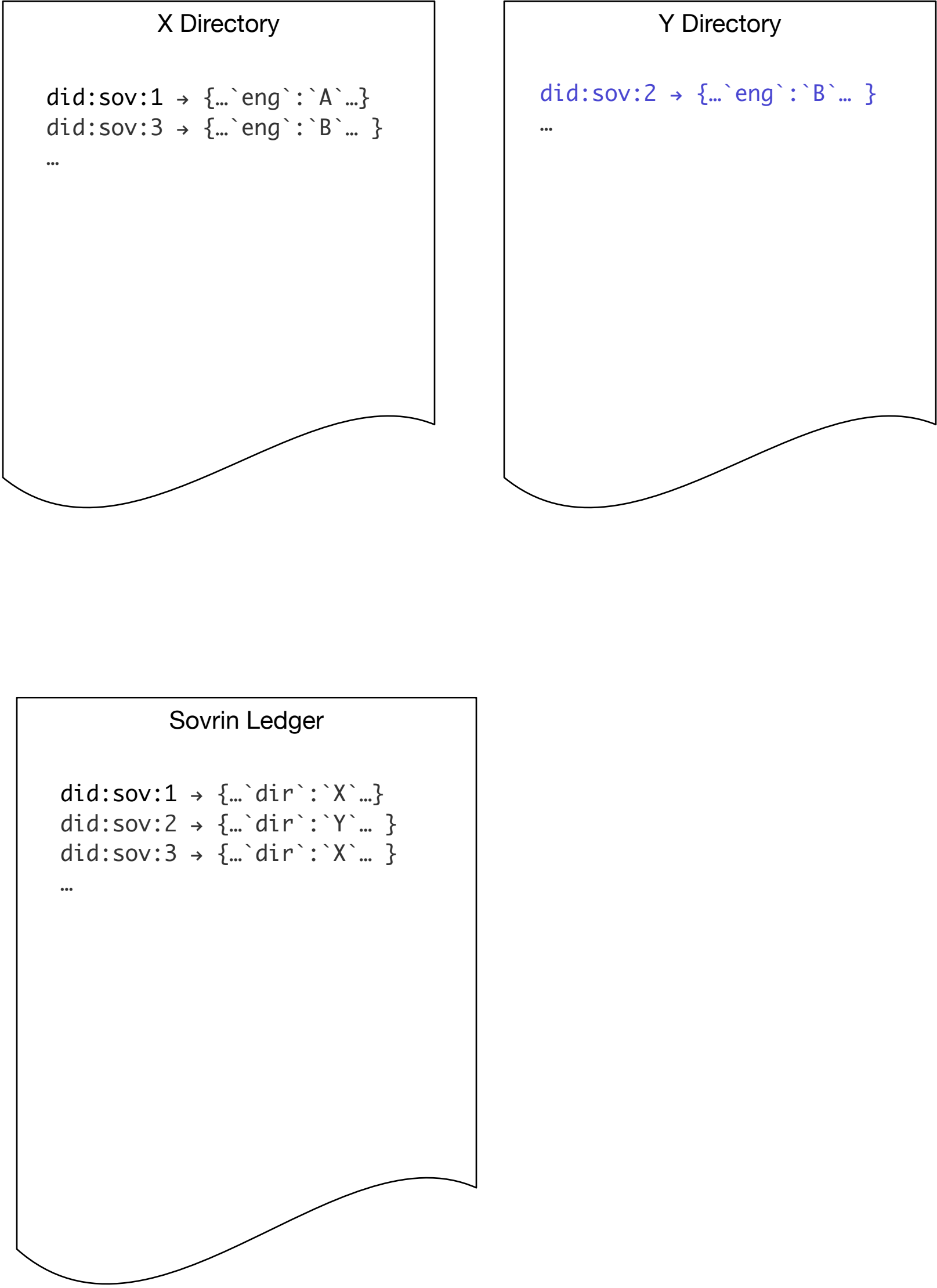
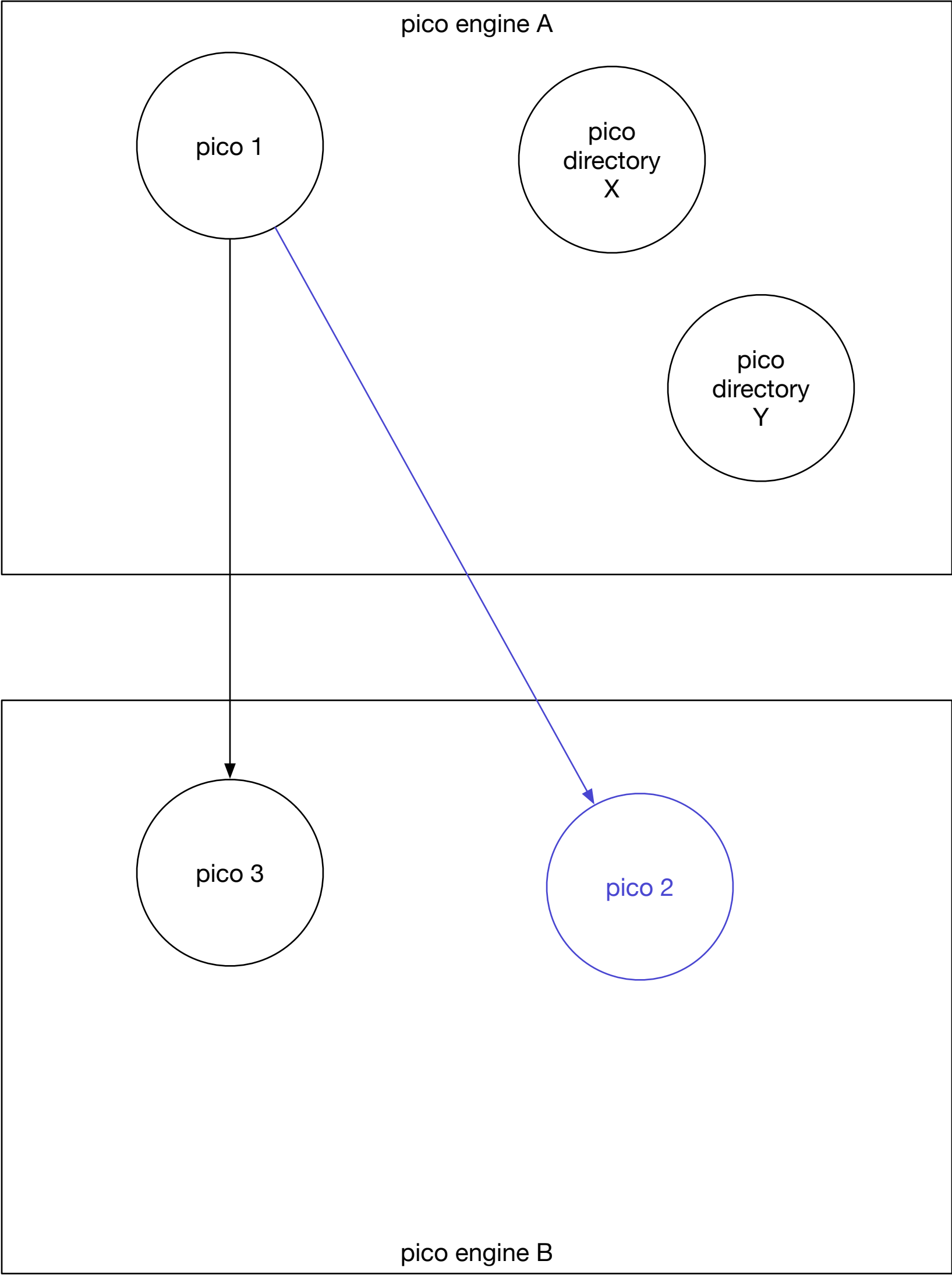
#### Pico 4 is created

1. Creation adds engine information to a directory (could be arbitrary)
2. New entry is published to ledger linking DID to DDO containing directory pointer.



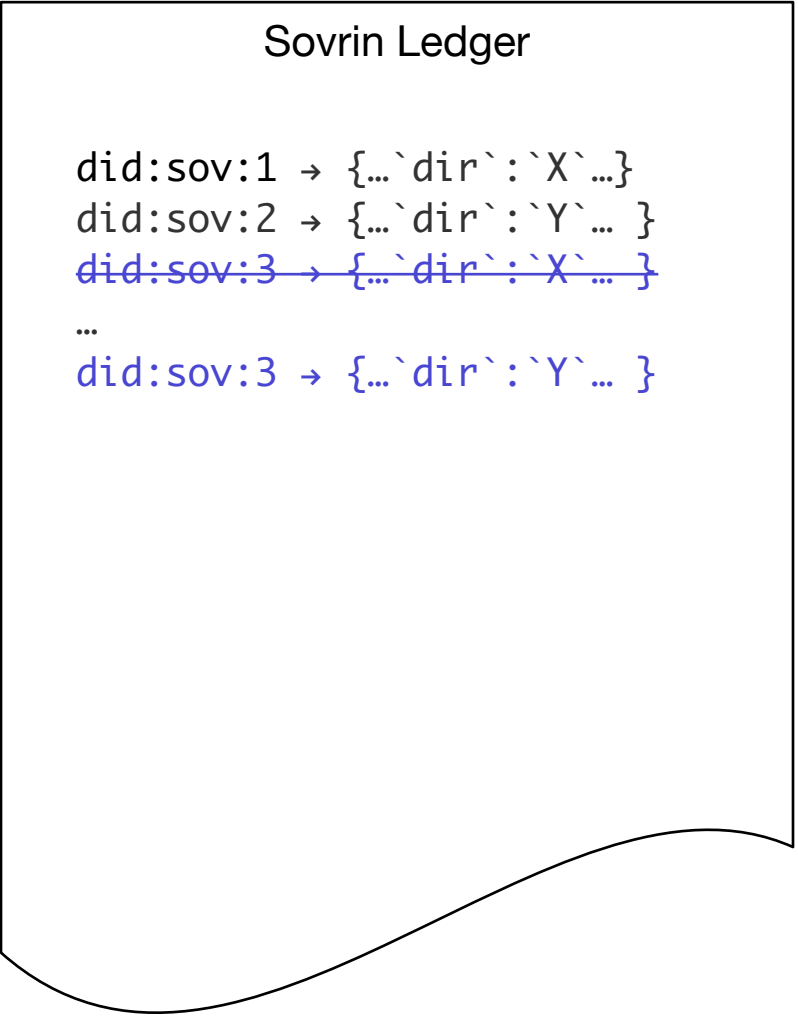
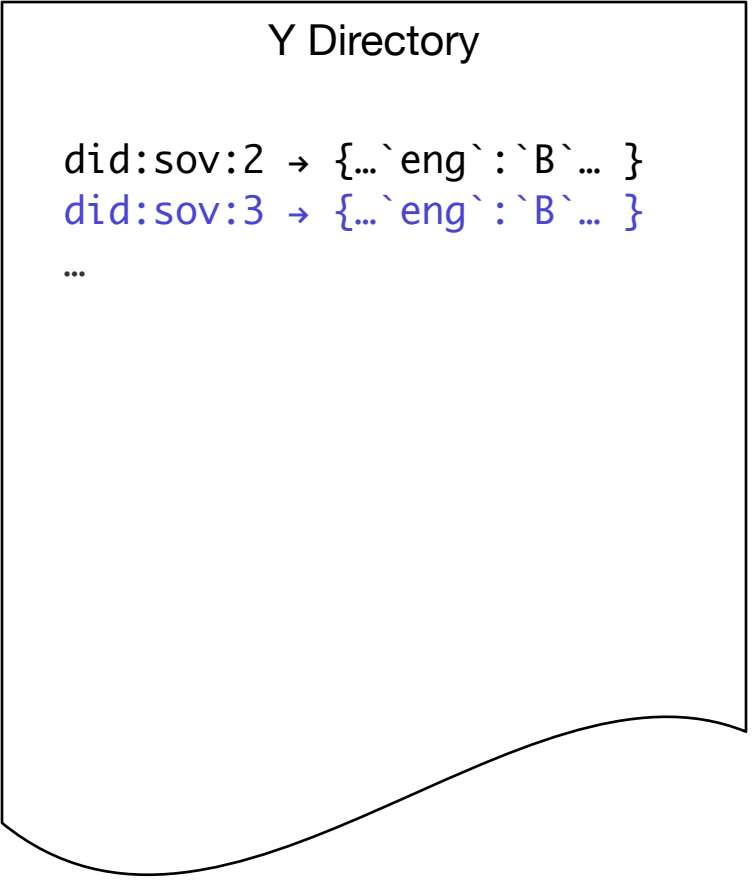
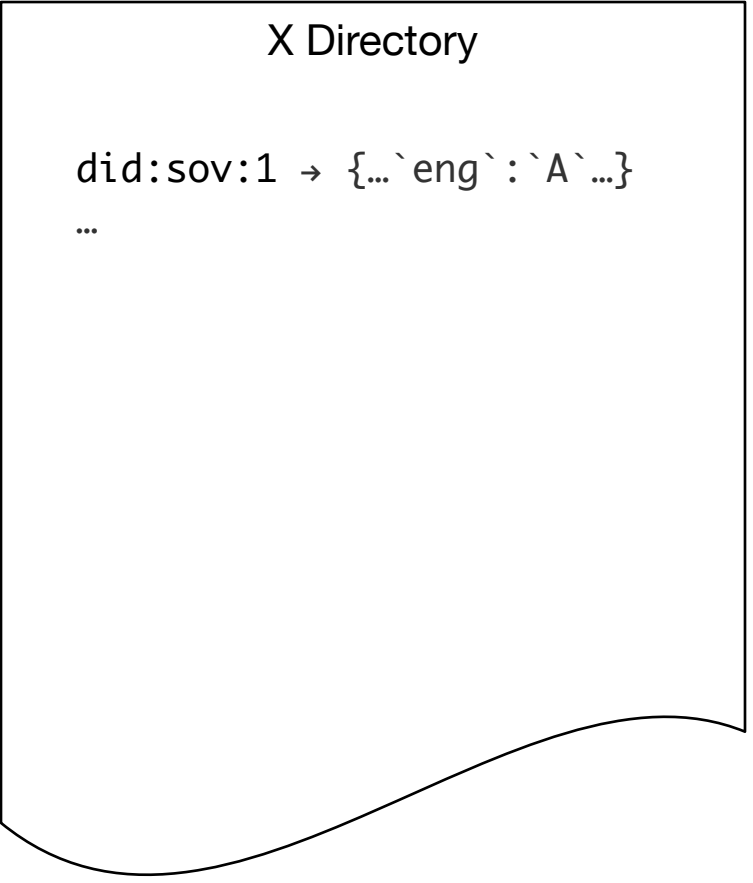
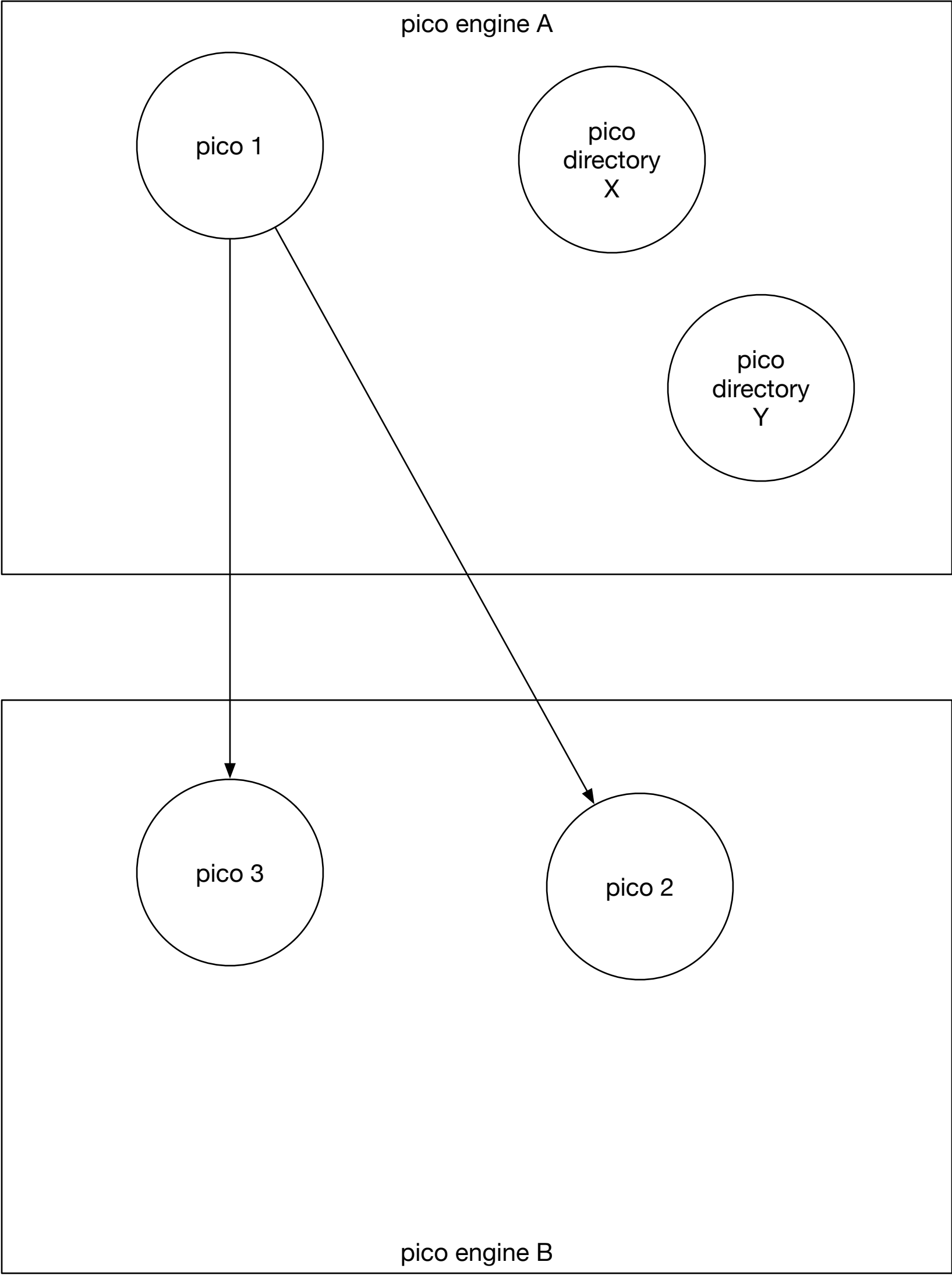
**Pico 2 wants to talk to Pico 4 (discovery)**

1. Ask ledger for DDO using DID
2. Use DDO to find directory
3. Look up engine in directory for DID
4. Use engine to construct event address



**Pico 2 moves**

- 1. Pico is transferred to engine B
- 2. Directory is updated, but not the ledger.



**Pico 3 gets new directory**

- 1. Directory entry is moved from X to Y
- 2. Ledger is updated with new entry pointing to new DDO naming directory Y