Q1:

```
CREATE TABLE A (
        a1 int,
        a2 int,
        primary key a1
        )

CREATE TABLE B (
        b1 int,
        b2 int,
        primary key (b1, b2)
        )

CREATE TABLE ab1(
        a1 int,
        b1 int,
        b2 int,
        t_date date,
        foreign key (a1) references A,
        foreign key (b1, b2) references B,
        primary key (a1)
        )

CREATE TABLE ab2(
        a1 int,
        b1 int,
        b2 int,
        t_date date,
        foreign key (a1) references A,
        foreign key (b1, b2) references B,
        primary key (b1, b2)
        )

CREATE TABLE ac (
        a1 int,
        c1 int,
        c2 int,
        t_date date,
        foreign key (a1) references A,
        primary key (a1, c1)
        )

CREATE TABLE D (
        d1 int,
        primary key (d1)
        )
```

```
CREATE TABLE acd (
        a1 int,
        c1 int,
        d1 int,
        foreign key (a1,c1) references AC,
        foreign key (d1) references D
        primary key (a1,c1)
        )

CREATE TABLE E (
        d1 int,
        e1 int,
        foreign key d1 references D,
        primary key (e1)
        )

CREATE TABLE F (
        d1 int,
        f1 int,
        foreign key d1 references D,
        primary key (f1)
        )

CREATE TABLE G (
        g1 int,
        primary key (g1)
        )


CREATE TABLE H (
        h1 int,
        primary key (h1)
        )

CREATE TABLE eg_egh (
        g1 int,
        e1 int,
        h1 int unique,
        foreign key g1 references G,
        foreign key e1 references E,
        foreign key h1 references H
        primary key (g1, e1)
        )

CREATE TABLE J (
        j1 int,
        primary key j1
```

```
    )

CREATE TABLE I_ij (
        i1 int
        j1 int NOT NULL,
        foreign key (j1) references J,
        primary key (i1),
        on delete NO ACTION
        )

CREATE TABLE hi (
        i1 int
        h1 int,
        foreign key (i1) references I_ij,
        foreign key (h1) references H,
        primary key (i1, h1)
        )
```

Q2: The approach is wrong because it's impossible to infer the relation between entities from a dataset.