The answer to Problem I

```
CREATE TABLE members (
        name            VARCHAR(20) NOT NULL,
        card_number     NUMERIC PRIMARY KEY,
        address         VARCHAR(50) NOT NULL
)

CREATE TABLE wines (
        name            VARCHAR(20),
        appellation     VARCHAR(20),
        vintage         NUMERIC,
        alcohol_degree  NUMERIC NOT NULL,
        vineyard        VARCHAR(100) NOT NULL,
        certifier       VARCHAR(50) NOT NULL,
        country         VARCHAR(20) NOT NULL,
        PRIMARY KEY (name, vintage, appellation)
)

CREATE TABLE bottles (
        wine_name       VARCHAR(20),
        vintage         NUMERIC,
        appellation     VARCHAR(20),
        number          NUMERIC,
        in_cellar       BOOLEAN NOT NULL,
        PRIMARY KEY (number, wine_name, vintage, appellation),
        FOREIGN KEY (wine_name, vintage, appellation) REFERENCES wines(name,
vintage, appellation))

CREATE TABLE taste (
        Member          NUMERIC(20),
        wine_name       VARCHAR(20),
        vintage         NUMERIC,
        appellation     VARCHAR(20),
        rating          VARCHAR(9) NOT NULL,
        bottle_no       NUMERIC,
        date            DATE NOT NULL,
        PRIMARY KEY (member, bottle_no, wine_name, vintage, appellation),
        FOREIGN KEY member REFERENCES members(card_number),
        FOREIGN KEY (bottle_no, wine_name, vintage, appellation) REFERENCES
bottles(number, name, vintage, appellation))
```

number

member — (0,n) — taste — (0,n) — bottle

name address card_number

date rating

(1,1)

contain

appellation
name
vintage

wine

(0,n)

Other...