



(a)

```
:-style_check(-discontiguous).
```

```
dbase(fsmdb,[state,transition]).
```

```
table(state,[id,"name"]).
```

```
state(s0,'Start').
```

```
state(s1,'Eat').
```

```
state(s2,'Drink').
```

```
state(s3,'Stop').
```

```
table(transition,[id,"name",startid,endid]).
```

```
transition(t1,'eatSome',s0,s1).
```

```
transition(t2,'drinkSome',s0,s2).
```

```
transition(t3,'eatMore',s1,s2).
```

```
transition(t4,'drinkMore',s2,s1).
```

```
transition(t5,'stop',s1,s3).
```

```
transition(t6,'stop',s2,s3).
```

(b)

