Relation Tables Using Graph C:

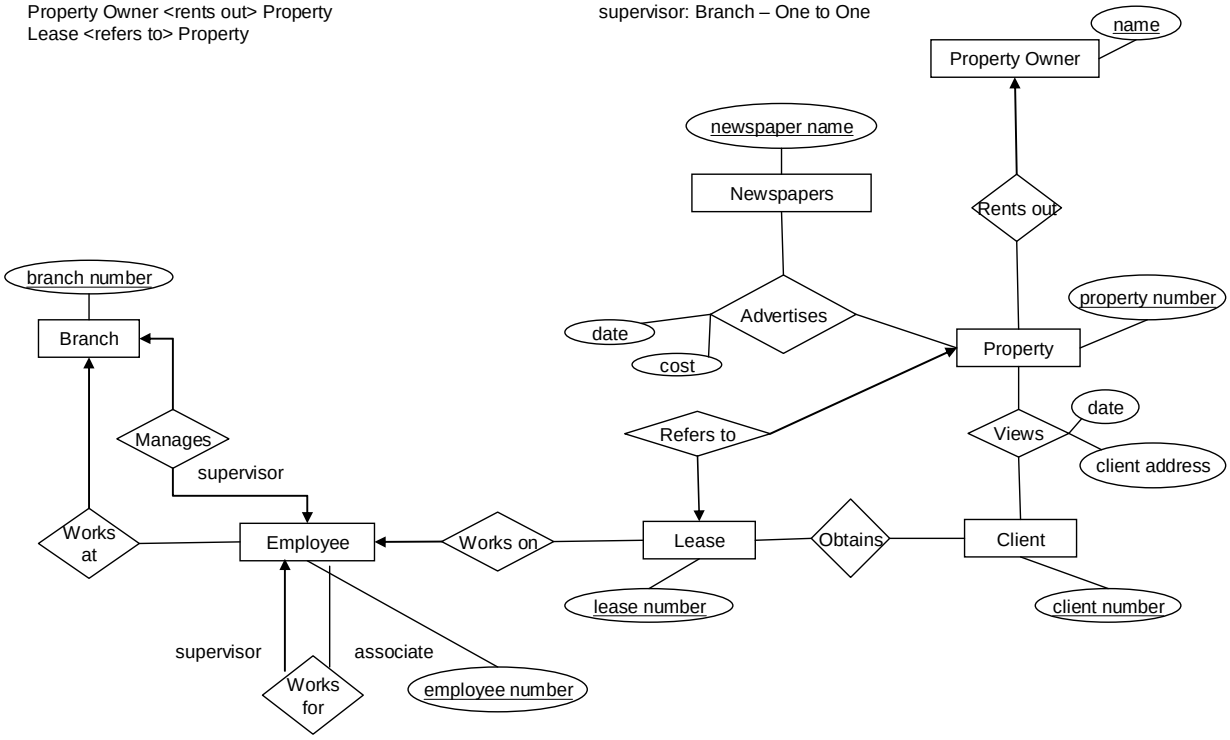
```
obtains(client_num, lease_num)
views(client_num, property_num, date, client_addr)
manages(emp_num, branch_num)
works-at(emp_num, branch_num)
works-on(emp_num, lease_num)
refers(lease_num, property_num)
advertises(property_num, newspaper_name, date, cost)
```

not certain:

```
works-for(emp_num, emp_num) supervisor:associate
rents-out(name, addr) : private
private-tele(name, tele_num)
private-fax(name, fax_num)
rents-out(name, addr, contact, business_type) : business
business-tele(name, tele_num)
business-fax(name, fax_num)
```

Employee <works for> Employee: associate works for supervisor
Employee <works at> Branch
Employee <manages> Branch: supervisor manages Branch
Property <advertises> Newspapers
Employee <works on> Lease
Client <obtains> Lease
Client <views> Property
Property Owner <rents out> Property
Lease <refers to> Property

Property Owner: Property – One to Many
Property : Client – Many to Many
Lease : Property – One to One
Employee: Lease – One to Many
Newspapers: Property – Many to Many
supervisor: associate – One to Many
Employee: Branch – Many to One
supervisor: Branch – One to One

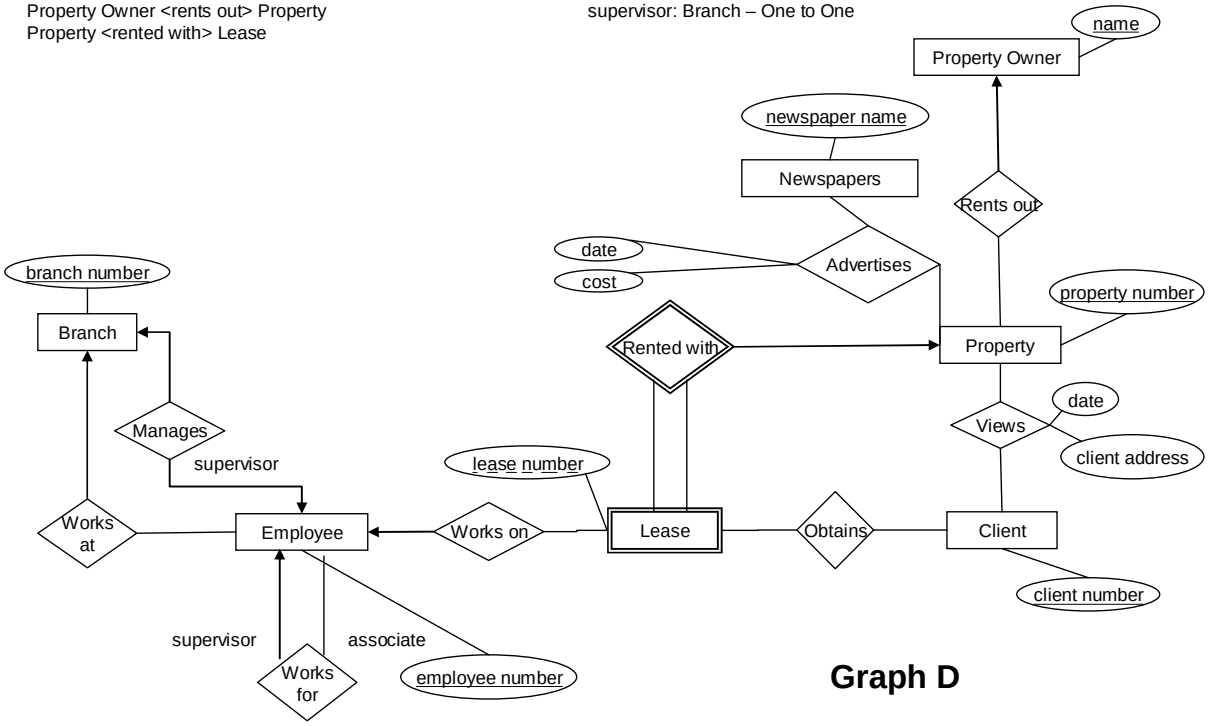


Model with Lease as a strong entity

Graph C

Employee <works for> Employee: associate works for supervisor
Employee <works at> Branch
Employee <manages> Branch: supervisor manages Branch
Property <advertises> Newspapers
Employee <works on> Lease
Client <obtains> Lease
Client <views> Property
Property Owner <rents out> Property
Property <rented with> Lease

Property Owner: Property – One to Many
Property : Client – Many to Many
Lease : Property – One to One
Employee: Lease – One to Many
Newspapers: Property – Many to Many
supervisor: associate – One to Many
Employee: Branch – Many to One
supervisor: Branch – One to One



Graph D

Model with Lease as a weak entity identifying with Property