5.

5.1.

5.1.1. **QP**

(1)　　　Every student likes his camera.

(2)　a.　　$x(x$=student)[x likes x's camera]
　　b.　　$x(x$=student)[x likes his camera]

(3)　a.　*his*
　　　　Every student likes his camera.
　　b.　*his*
　　　　Every student likes his$_D$ camera.

(4)　a.　Each of John and Bill likes his camera.
　　b.　Each of John and Bill likes his camera.
　　　　&$x(x$　{John, Bill})[x likes x's camera]
　　c.　Each of John and Bill likes his$_D$ camera.
　　　　&$x(x$　{John, Bill})[x likes his camera]

(5)　a.　Even John likes his camera.
　　b.　Even John likes his camera.
　　　　EVEN$x(x$=John)[x likes x's camera]
　　c.　Even John likes his$_D$ camera.
　　　　EVEN$x(x$=John)[x likes his camera]

(6)　a.　Only John likes his camera.
　　b.　Only John likes his camera.
　　　　ONLY$x(x$=John)[x likes x's camera]
　　c.　Only John likes his$_D$ camera.
　　　　ONLY$x(x$=John)[x likes his camera]

[　　　　　]
(6b)　　true　　　　(6c)　　false　　　　　　　　　　　(6b)
false　　　　(6c)　　true

5.1.2.

(7)　a.　His teacher recommended every student.
　　b.　*His teacher recommended every student.
　　　　$x(x$=student)[x's teacher recommended x]
　　c.　His$_D$ teacher recommended every student.
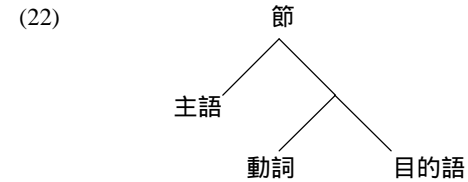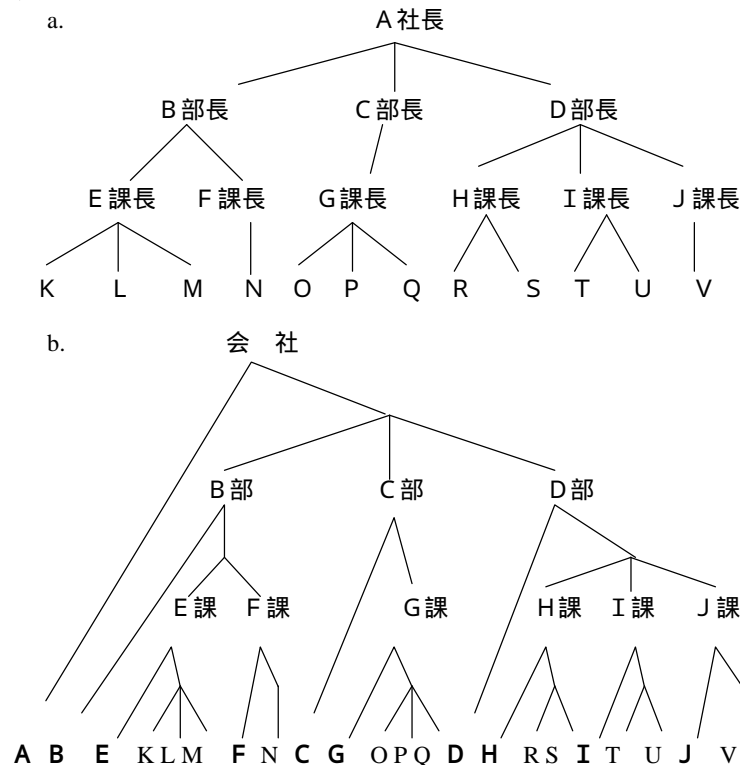　　　　$x(x$=student)[his teacher recommended x]

(8)　a.　The fact that every student came surprised his teacher.
　　b.　*The fact that every student came surprised his teacher.
　　c.　The fact that every student came surprised his$_D$ teacher.

(9)　a.　Every student works hard, and his teacher is happy.
　　b.　*Every student works hard, and his teacher is happy.
　　c.　Every student works hard, and his$_D$ teacher is happy.

(10)　a.　His teacher recommended each of John and Bill.
　　b.　*His teacher recommended each of John and Bill.
　　c.　His$_D$ teacher recommended each of John and Bill.

(11)　a.　The fact that each of John and Bill came surprised his teacher.
　　b.　*The fact that each of John and Bill came surprised his teacher.
　　c.　The fact that each of John and Bill came surprised his$_D$ teacher.

(12)　a.　Each of John and Bill works hard, and his teacher is happy.
　　b.　*Each of John and Bill works hard, and his teacher is happy.
　　c.　Each of John and Bill works hard, and his$_D$ teacher is happy.

(13)　a.　His teacher recommended even John.
　　b.　*His teacher recommended even John.
　　c.　His$_D$ teacher recommended even John.

(14)　a.　The fact that even John came surprised his teacher.
　　b.　*The fact that even John came surprised his teacher.
　　　　cf. **EVEN**$x(x$=John)[the fact that x came surprised x's teacher]
　　c.　The fact that even John came surprised his$_D$ teacher.

(15)　a.　Even John works hard, and his teacher is happy.
　　b.　*Even John works hard, and his teacher is happy.
　　c.　Even John works hard, and his$_D$ teacher is happy.

(16)　a.　His teacher recommended only John.
　　b.　*His teacher recommended only John.
　　c.　His$_D$ teacher recommended only John.

(17)　a.　The fact that only John came surprised his teacher.
　　b.　*The fact that only John came surprised his teacher.
　　c.　The fact that only John came surprised his$_D$ teacher.

(18)　a.　Only John works hard, and his teacher is happy.
　　b.　*Only John works hard, and his teacher is happy.
　　c.　Only John works hard, and his$_D$ teacher is happy.

(19)　a.　QP　　　　　　his

　　b.　QP　　　　　　his

c.　QP　　　　　　his

d.　QP　　　　his

5.1.3. C-command

(20)　　　　QP　　　　　　his

　　a.
　　b.
　　c.

　　d.

(21)
　　a.

　　b.

K L M　　N　　　O P Q　　　R S　T　U　　V

(22)

(23)　　QP　　his　　**c-command**

(24)　　X　　X　　sister　　　　　　　　**c-command**

[　　　　　]
(1), (7), (8), (9)

[　]
(1)　　　　　　　　　　(7), (8), (9)

5.1.4.

(25)　a.　John likes his camera.
　　　b.　<u>John</u> likes <u>his</u> camera.
　　　c.　John likes his$_D$ camera.

(26)　a.　<u>His</u> teacher recommended <u>John</u>.
　　　b.　<u>John</u> works hard, and <u>his</u> teacher is happy.