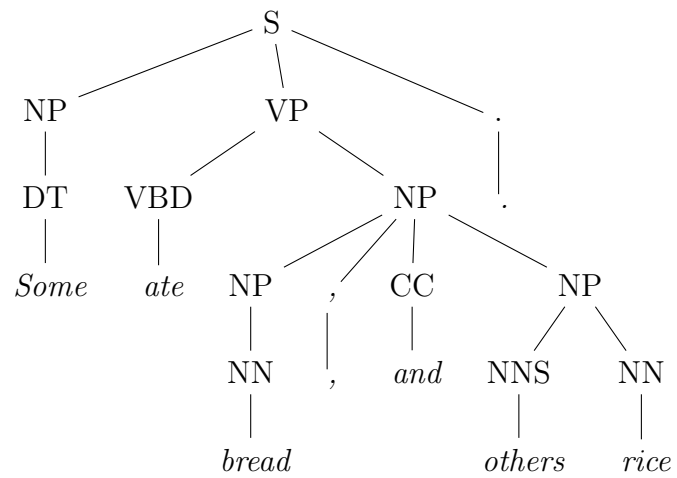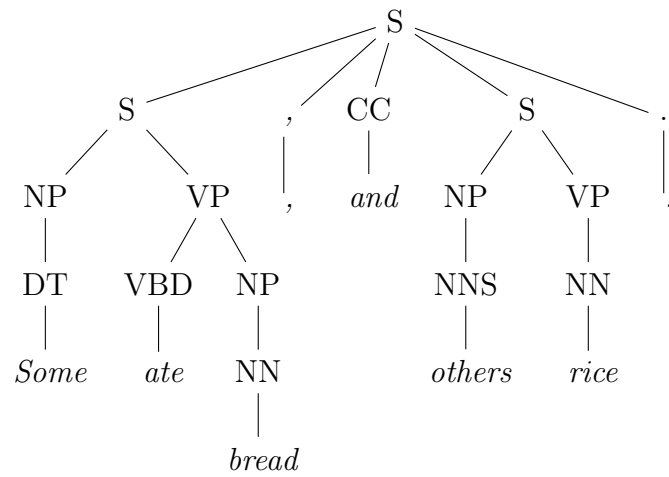1. gapping-1

   Some ate bread, and others rice.
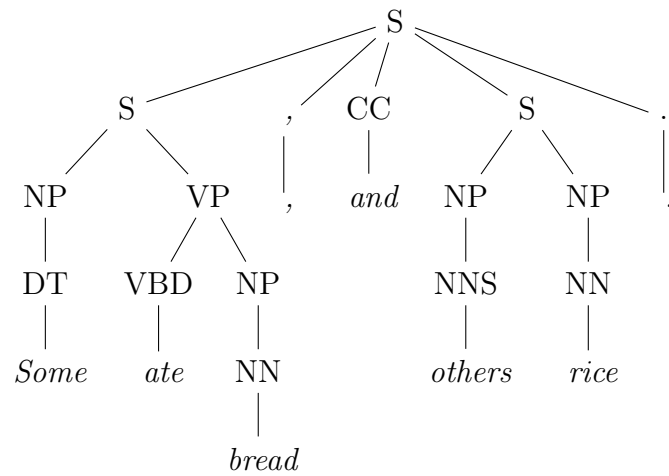
   - **Stanford Parser (CoreNLP):**

```
                          S
          ┌───────────────┼───────────────┐
         NP              VP                .
          │          ┌────┴────┐           │
         DT         VBD       NP            .
          │          │    ┌────┼────┐
        Some        ate  NP   ,  CC       NP
                          │    │   │     ┌──┴──┐
                         NN    ,  and   NNS    NN
                          │               │     │
                        bread           others rice
```

   - **Berkeley Parser:**

1

S

S , CC S .

NP VP , and NP VP .

DT VBD NP NNS NN

Some *ate* NP *others* *rice*

NN

bread

- **AllenNLP Parser:**

S

S , CC S .

NP VP , and NP NP .

DT VBD NP NNS NN

Some *ate* NP *others* *rice*

NN

bread

- **CPTAM Parse Aggregation:**

2

- **CPTAM Parse Aggregation (weighted):**

3

```
                              S
              ┌───────────────┼───────────────┐
             NP              VP                .
              │          ┌────┴──────┐         │
             DT         VBD          NP        .
              │          │    ┌───┬───┼────┐
            Some        ate  NP   ,   CC    NP
                             │    │   │   ┌──┴──┐
                            NN    ,  and  NP    NP
                             │         │   │
                           bread      NNS  NN
                                       │    │
                                    others rice
```
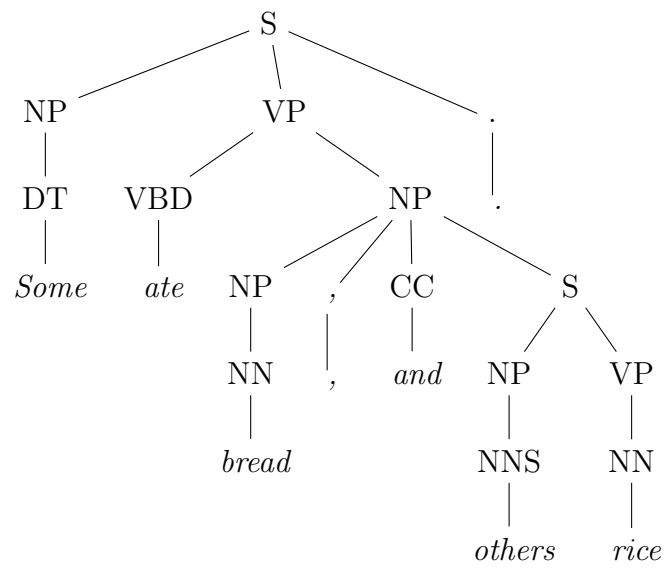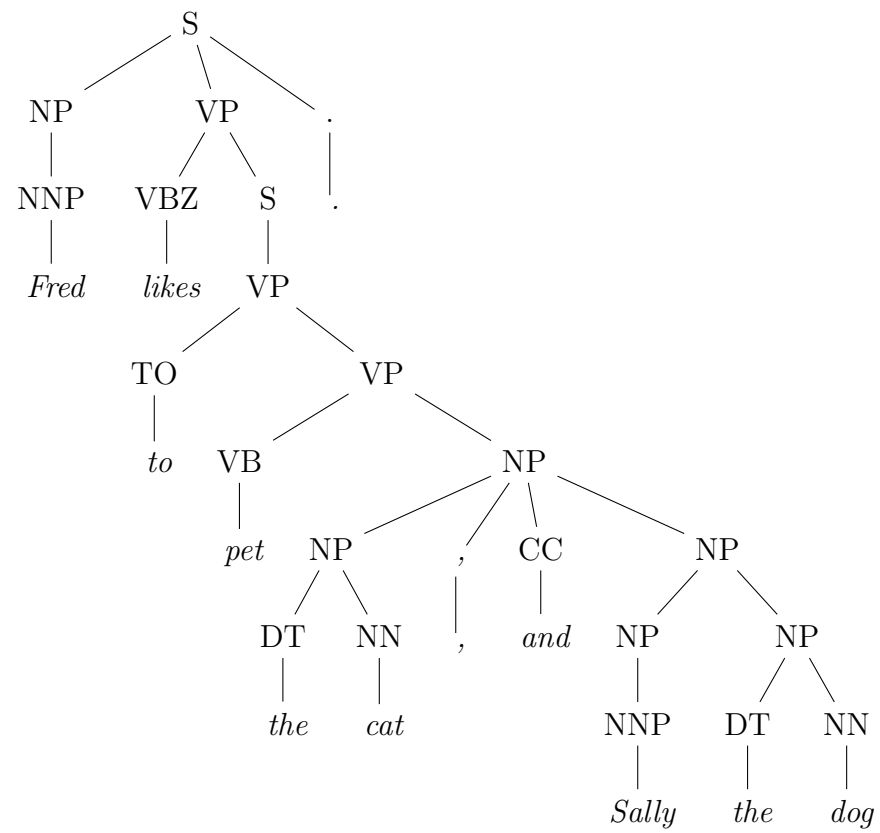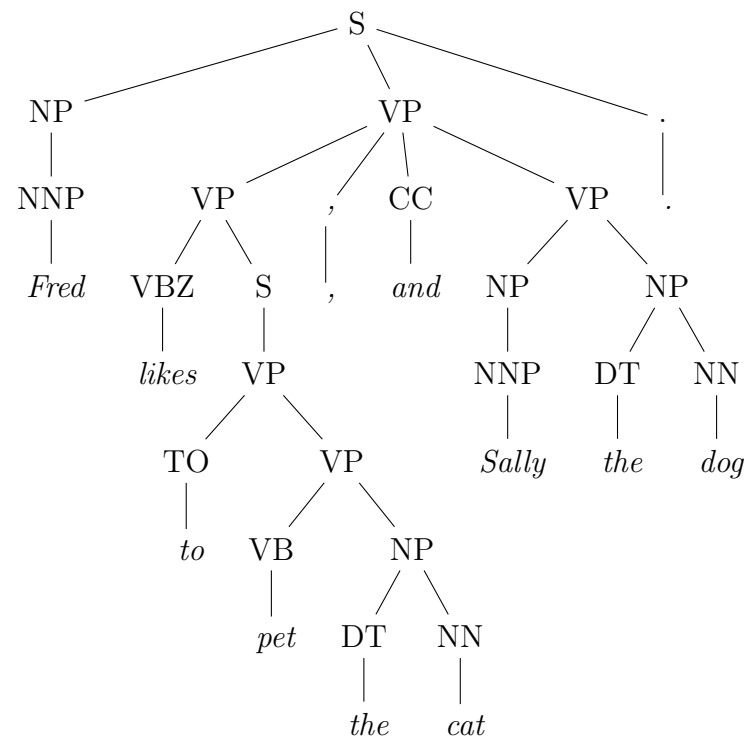
2. `gapping-2`

   Fred likes to pet the cat, and Sally the dog.

   - **Stanford Parser (CoreNLP):**

4

S

NP VP .

NNP VBZ S .

Fred *likes* VP

TO VP

to VB NP

pet NP , CC NP

DT NN , *and* NP NP

the *cat* NNP DT NN

Sally *the* *dog*

- **Berkeley Parser:**

- **AllenNLP Parser:**

S

NP　　VP　　.

NN　　VBZ　　S　　.

Fred　　*likes*　　VP

TO　　VP

to　　VP　　,　　CC　　NP

VB　　NP　　,　　*and*　　NNP　　DT　　NN

pet　　DT　　NN　　*Sally*　　*the*　　*dog*

the　　*cat*

- **CPTAM Parse Aggregation:**

```
                              S
              ┌───────────────┼───────────┐
             NP              VP            .
              │           ┌───┴───┐        │
             NNP         VBZ      S         .
              │           │       │
             Fred       likes    VP
                           ┌──────┴──────┐
                          TO             VP
                           │        ┌─────┴─────┐
                           to      VB           NP
                                    │    ┌───┬───┬──────┐
                                   pet  NP   ,  CC      NP
                                     ┌──┴──┐ │   │   ┌───┴───┐
                                    DT    NN ,  and  NP      NP
                                     │     │           │   ┌──┴──┐
                                    the   cat         NNP  DT    NN
                                                       │    │     │
                                                     Sally the   dog
```
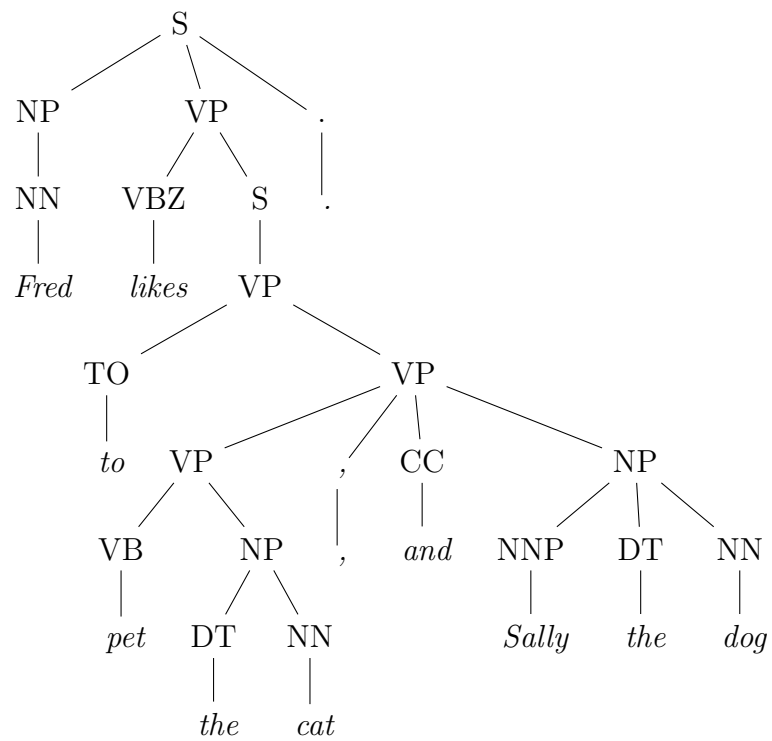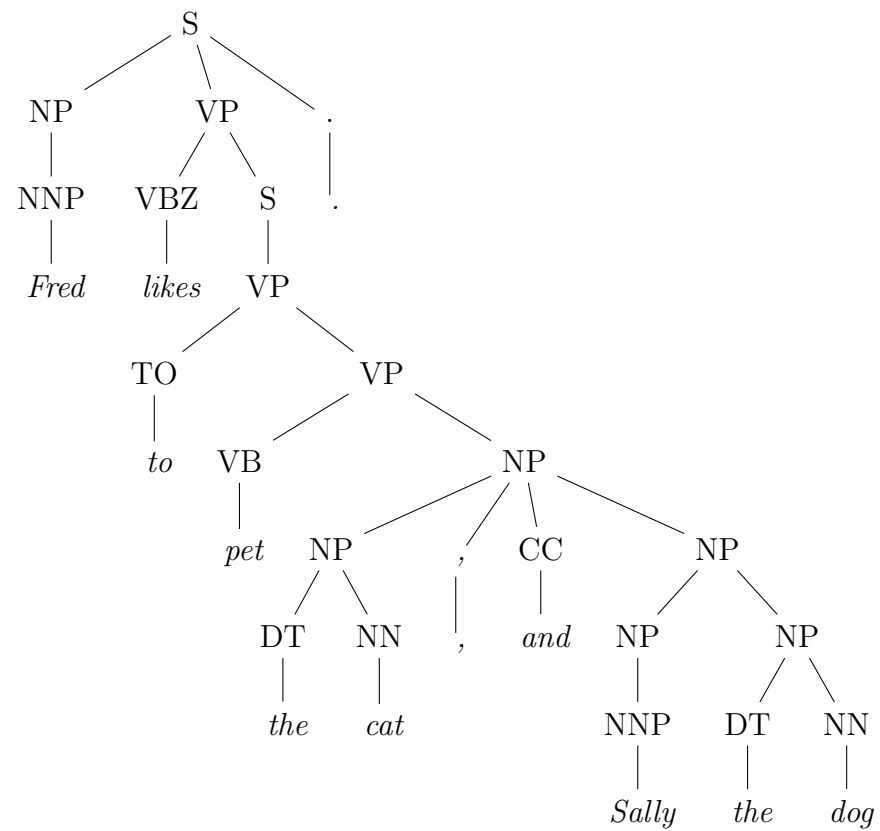
3. `gapping-3`

   Jim has been being observed by me, and Tom by you.

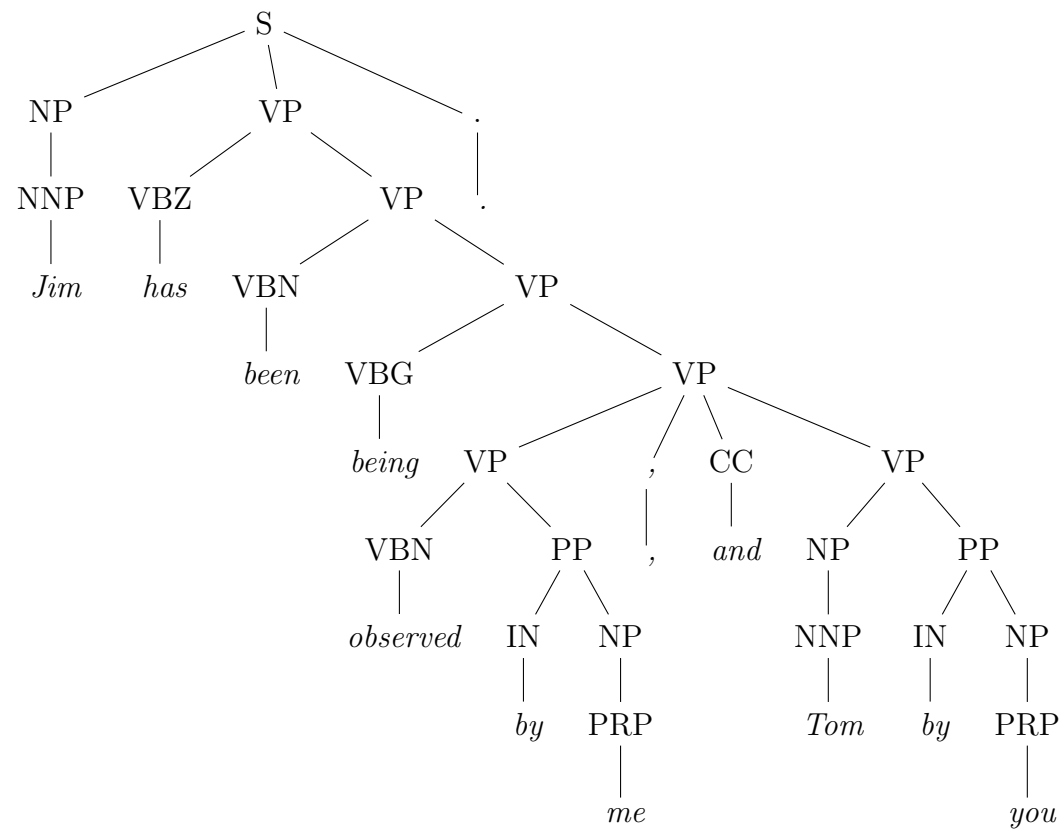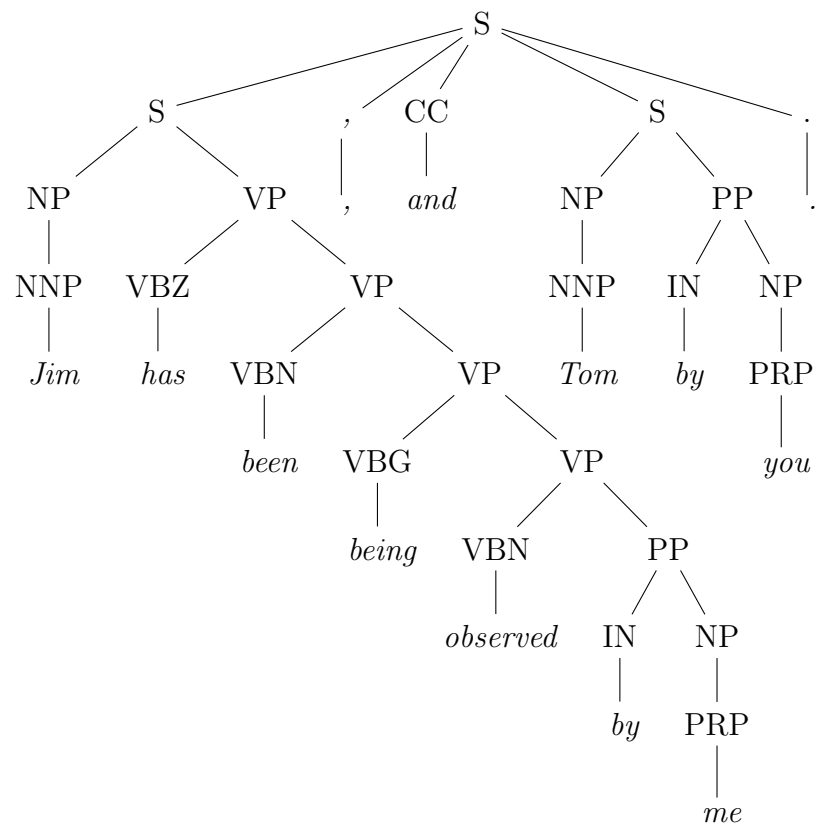   - **Stanford Parser (CoreNLP):**

- **Berkeley Parser:**

9

S

S , CC S .

NP VP , *and* NP PP .

NNP VBZ VP NNP IN NP

Jim *has* VBN VP *Tom* *by* PRP

been VBG VP *you*

being VBN PP

observed IN NP

by PRP

me

- **AllenNLP Parser:**

10

- **CPTAM Parse Aggregation:**

S

NP — VP — .

NNP   VBZ   VP   .

Jim   has   VBN   VP

been   VBG   VP

being   VP   ,   CC   VP

VBN   PP   ,   and   NP   PP

observed   IN   NP   NNP   IN   NP
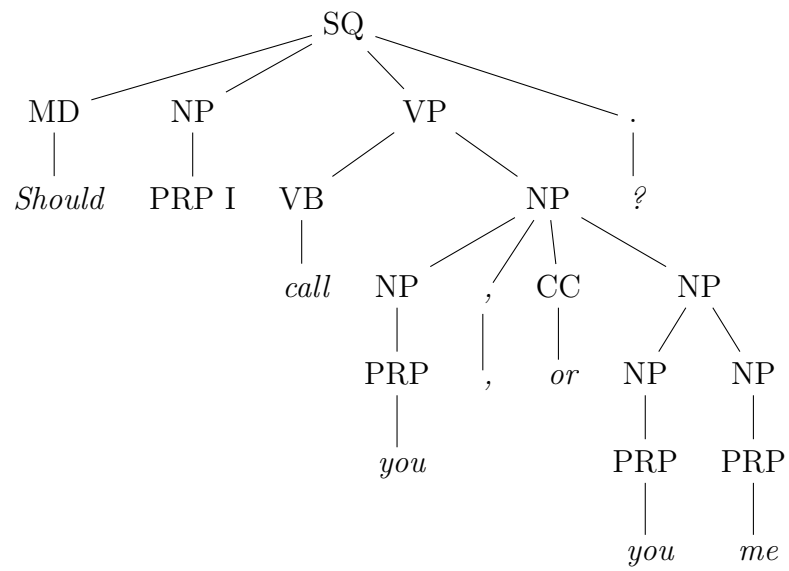
by   PRP   Tom   by   PRP

me   you
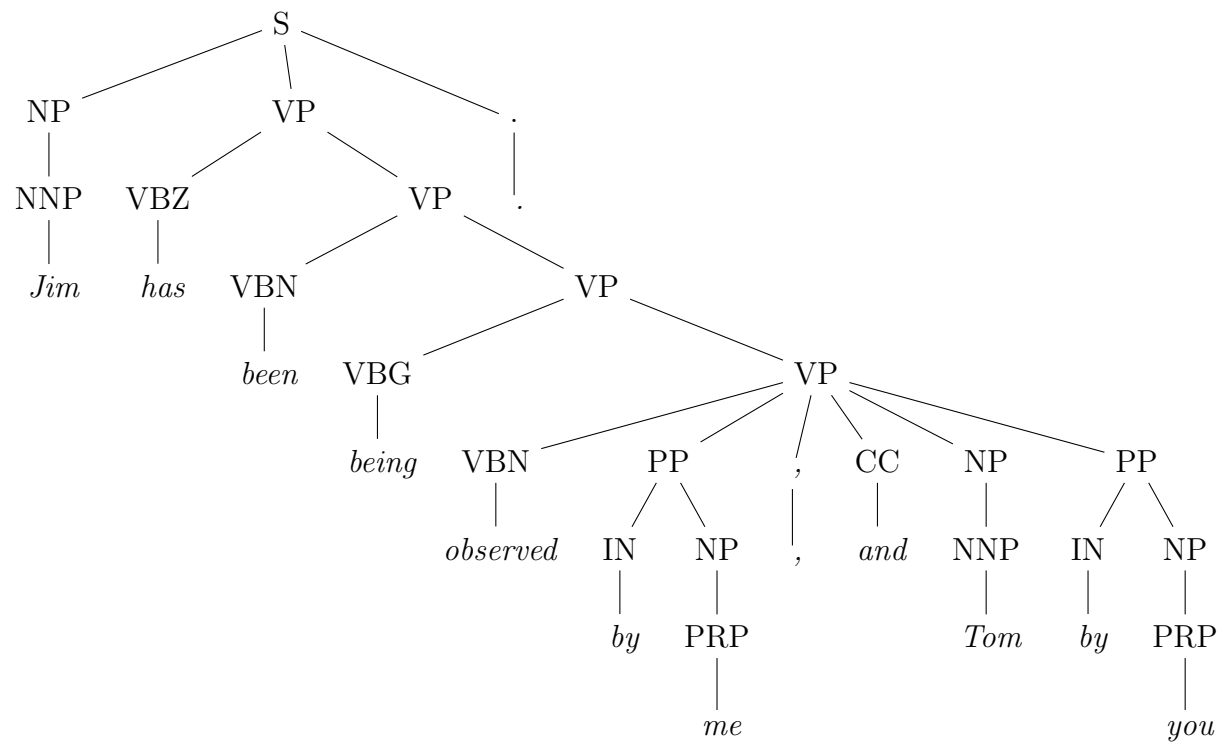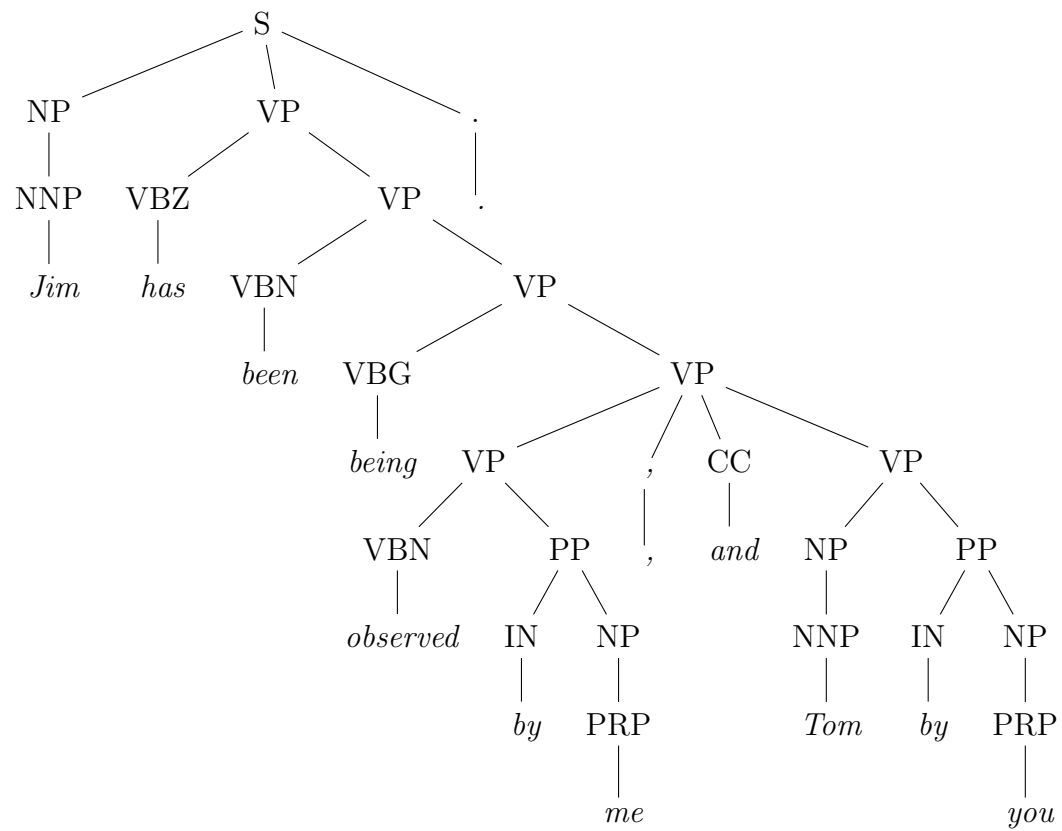
4. `gapping-4`

Should I call you, or you me?

- **Stanford Parser (CoreNLP):**

- **Berkeley Parser:**

```
                                  SQ
           ┌──────────┬───────────┴──────────┐
          MD         NP           VP           .
           │       ┌──┴──┐    ┌────┴────┐      │
        Should   PRP  I  VB            NP       ?
                          │      ┌───┬──┼────┐
                         call   NP   ,  CC    NP
                                │    │   │   ┌─┴─┐
                               PRP   ,   or  NP  NP
                                │            │    │
                               you          PRP  PRP
                                             │    │
                                            you   me
```

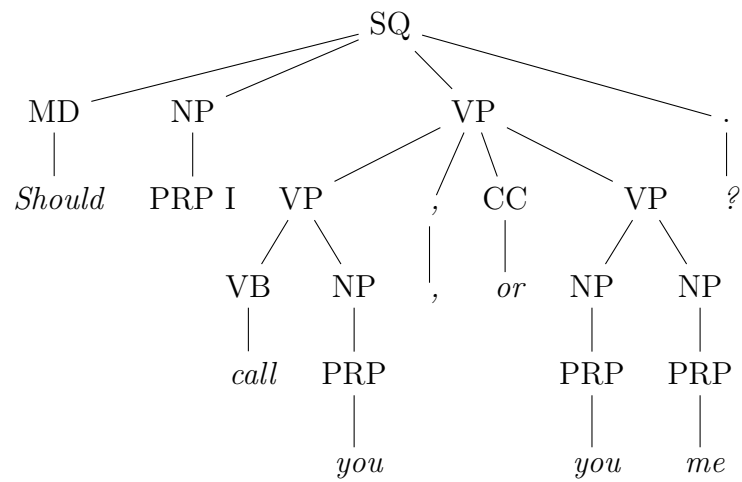- **AllenNLP Parser:**
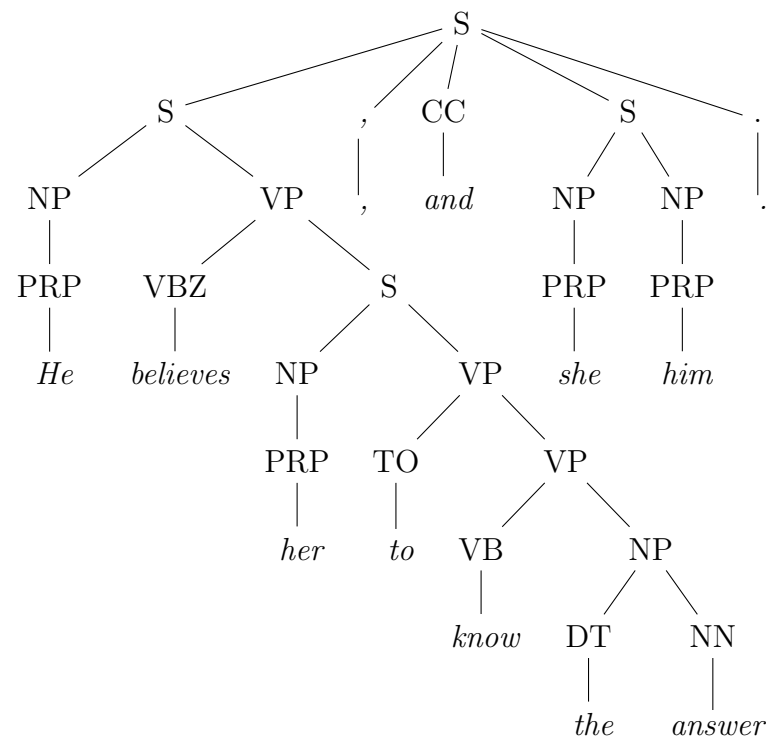
14
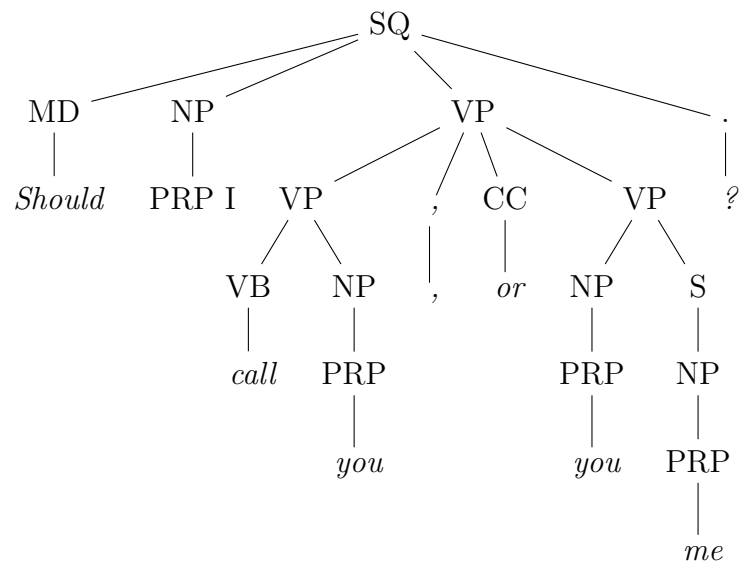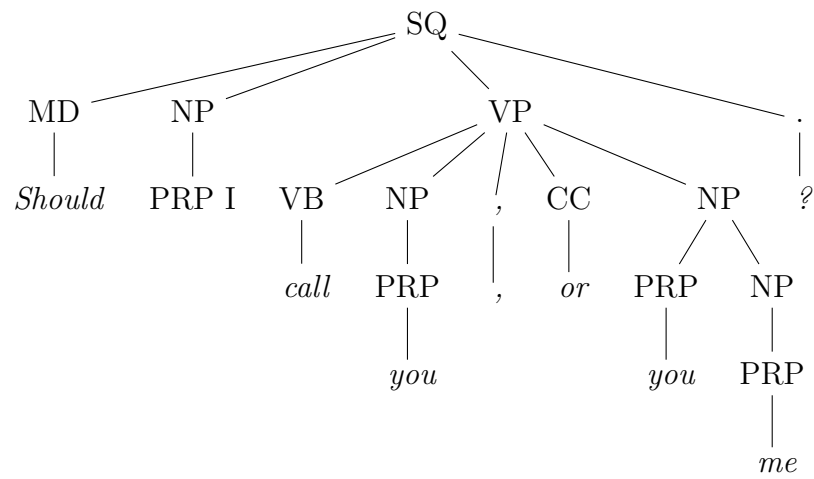
- **CPTAM Parse Aggregation:**
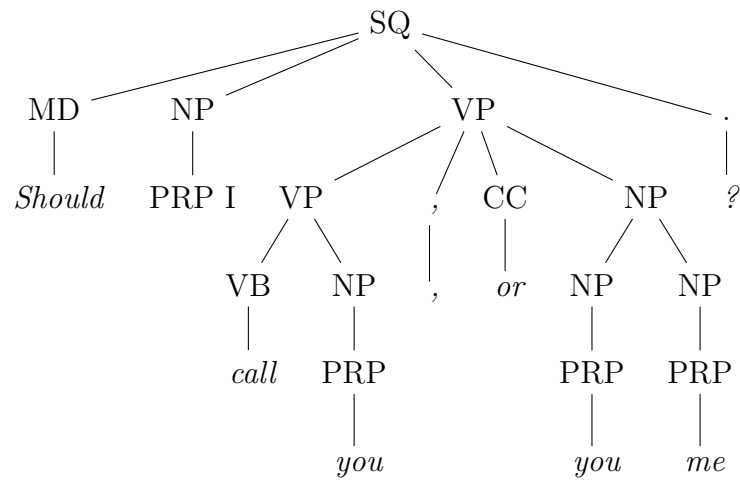
- **CPTAM Parse Aggregation (weighted):**

5. `gapping-5`

   He believes her to know the answer, and she him.

   - **Stanford Parser (CoreNLP):**

- **Berkeley Parser:**

17

```
                                    S
          ┌─────────────┬───────┬─────────┬────────┐
          S             ,       CC        S        .
     ┌────────┐         │       │      ┌──────┐     │
     NP       VP        ,      and     NP     NP    .
     │     ┌─────────┐          │       │      │     │
     PRP   VBZ     SBAR        and     PRP    PRP    .
     │      │        │                  │      │
     He  believes    S                 she    him
                ┌─────────┐
                NP        VP
                │     ┌────────┐
                PRP   TO       VP
                │     │     ┌──────┐
                her   to    VB     NP
                      │      │   ┌──────┐
                     know  know  DT    NN
                                 │      │
                                the   answer
```

• **AllenNLP Parser:**

```
                                        S
                    ┌───────────────────┼───────────────────┐
                   NP                   VP                   .
                    │        ┌──────────┼──────┬────────┐    │
                   PRP       VP         ,     CC         S    .
                    │     ┌───┴───┐     │      │      ┌──┴──┐
                   He    VBZ      S     ,     and    NP    NP
                    │     │    ┌──┴──┐          │     │     │
                believes NP    VP         PRP   PRP
                          │  ┌──┴──┐          │     │
                         PRP TO    VP        she   him
                          │   │  ┌──┴──┐
                         her  to VB    NP
                              │   │  ┌─┴──┐
                            know  DT    NN
                                   │     │
                                  the  answer
```

- **CPTAM Parse Aggregation:**

19

```
                                    S
              ┌──────────────┬──────┼──────────────┬─────┐
              S              ,     CC              S      .
         ┌────┴────┐         │      │         ┌────┴────┐  │
        NP        VP         ,     and       NP        NP  .
         │     ┌───┴───┐              │       │         │
        PRP   VBZ      S             PRP     PRP       PRP
         │     │    ┌──┴──┐           │       │         │
        He  believes NP   VP         she     him        .
                    │   ┌──┴──┐
                   PRP  TO    VP
                    │   │  ┌───┴───┐
                   her  to VB      NP
                          │     ┌──┴──┐
                        know   DT    NN
                                │     │
                               the  answer
```
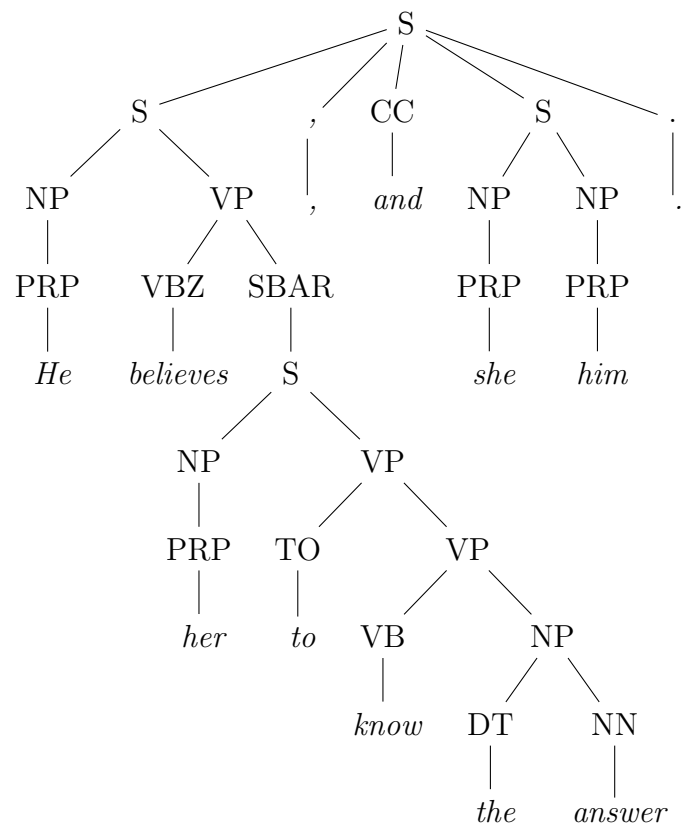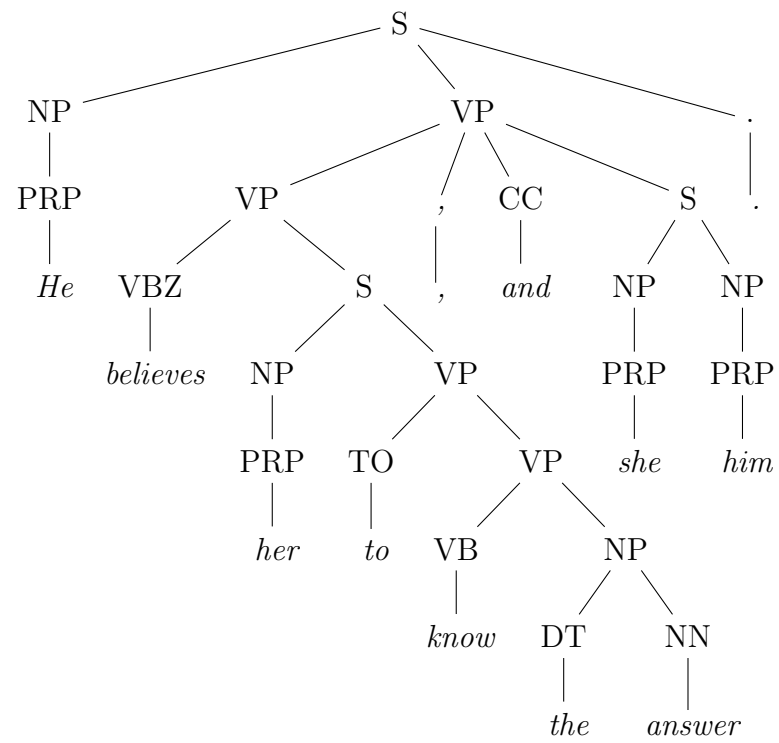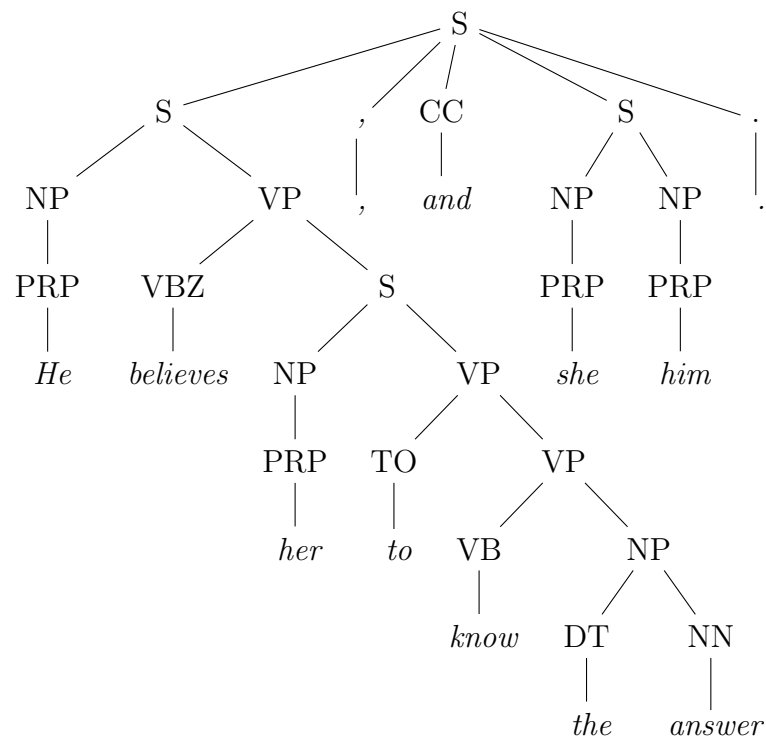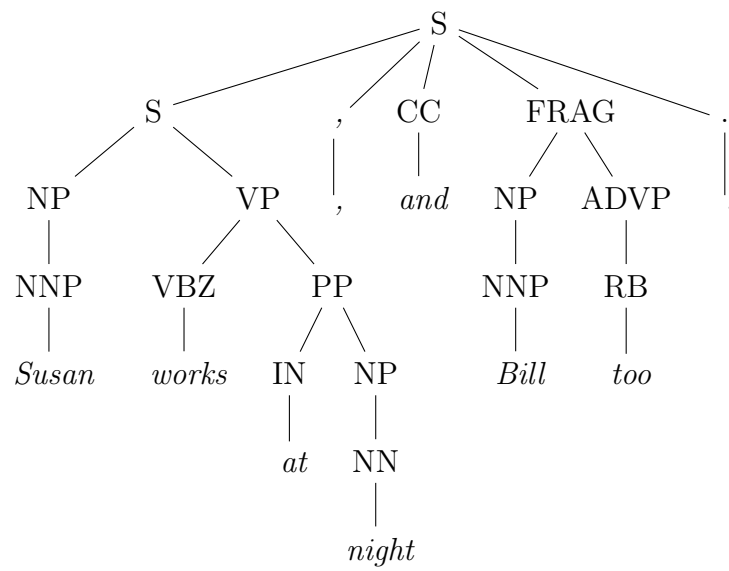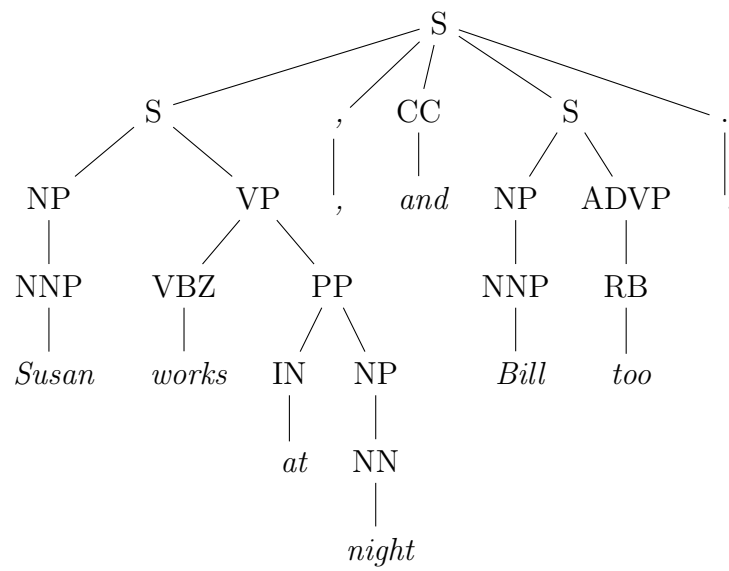
6. `stripping-1`

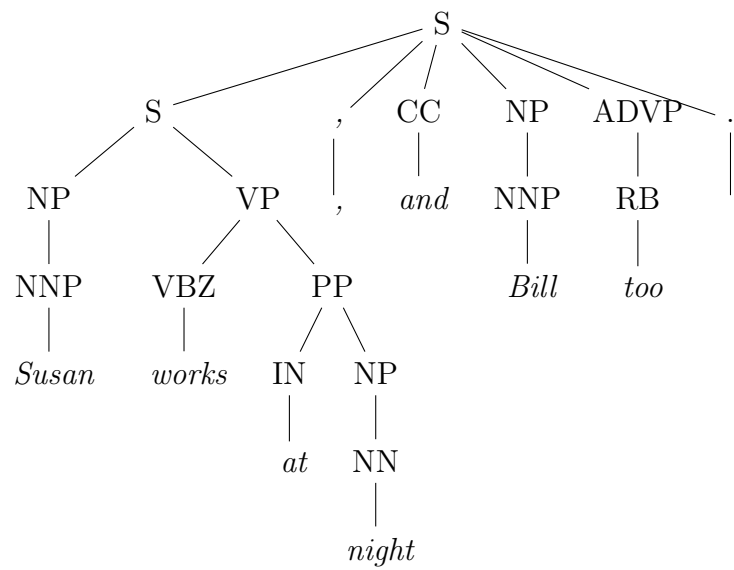   *Susan works at night, and Bill too.*

   - **Stanford Parser (CoreNLP):**
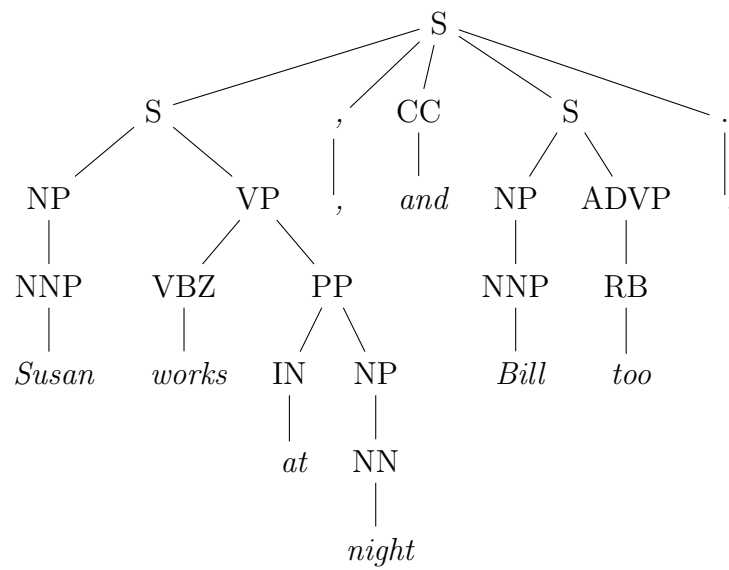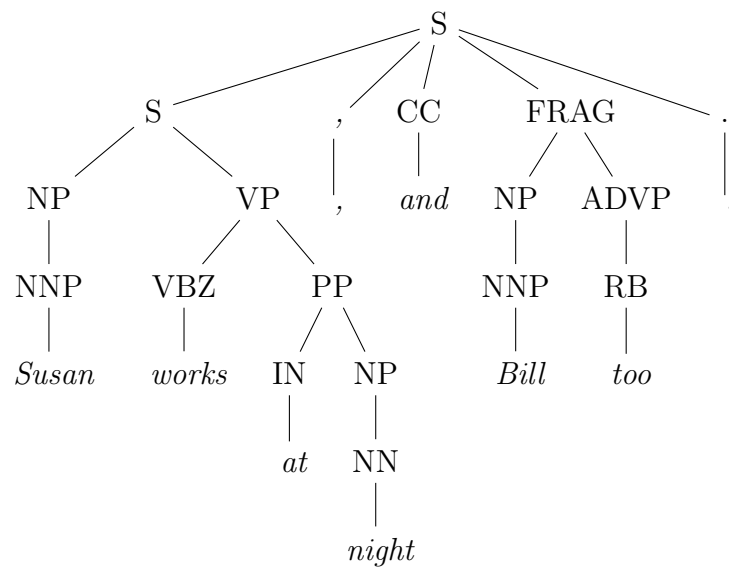
- **Berkeley Parser:**

- **AllenNLP Parser:**

- **CPTAM Parse Aggregation:**

```
                                    S
                 _____|_____
                S                   ,   CC        S             .
          _____|_____             |    |     ___|___          |
         NP           VP            ,   and   NP    ADVP         .
         |         ___|___                    |      |
        NNP      VBZ      PP                  NNP    RB
         |        |     ___|___                |      |
       Susan    works  IN      NP            Bill    too
                       |        |
                       at       NN
                                |
                              night
```
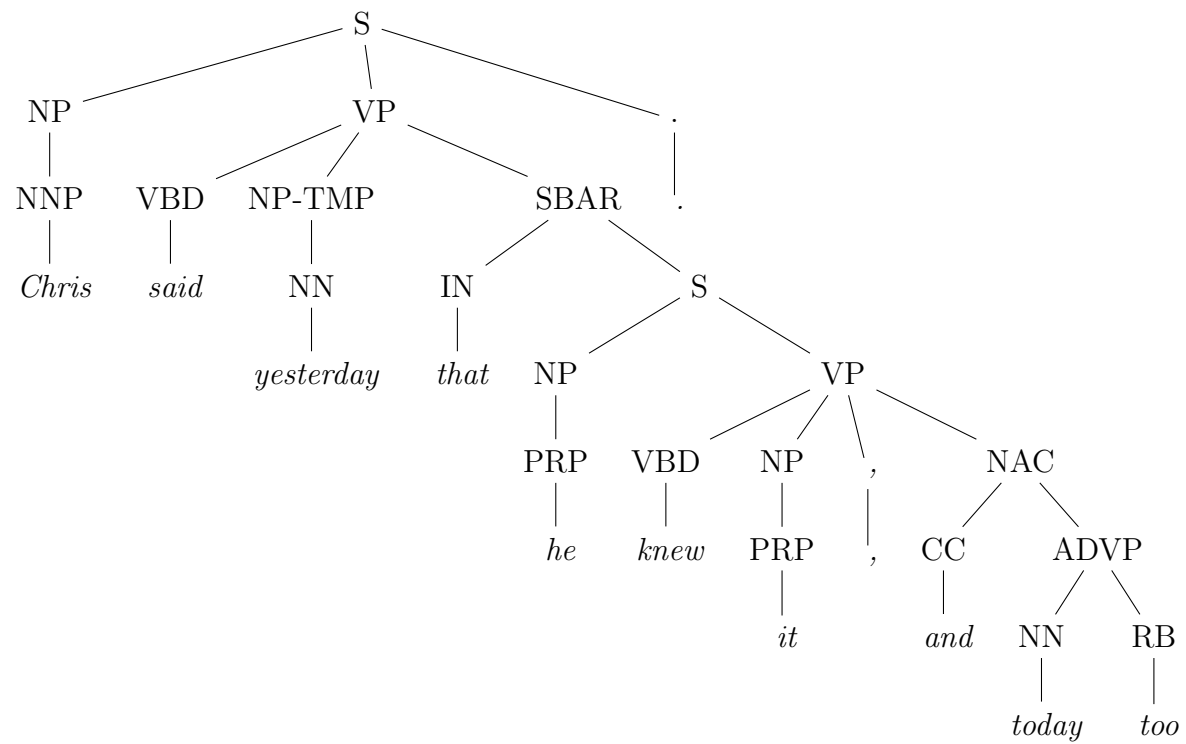
- **CPTAM Parse Aggregation (weighted):**
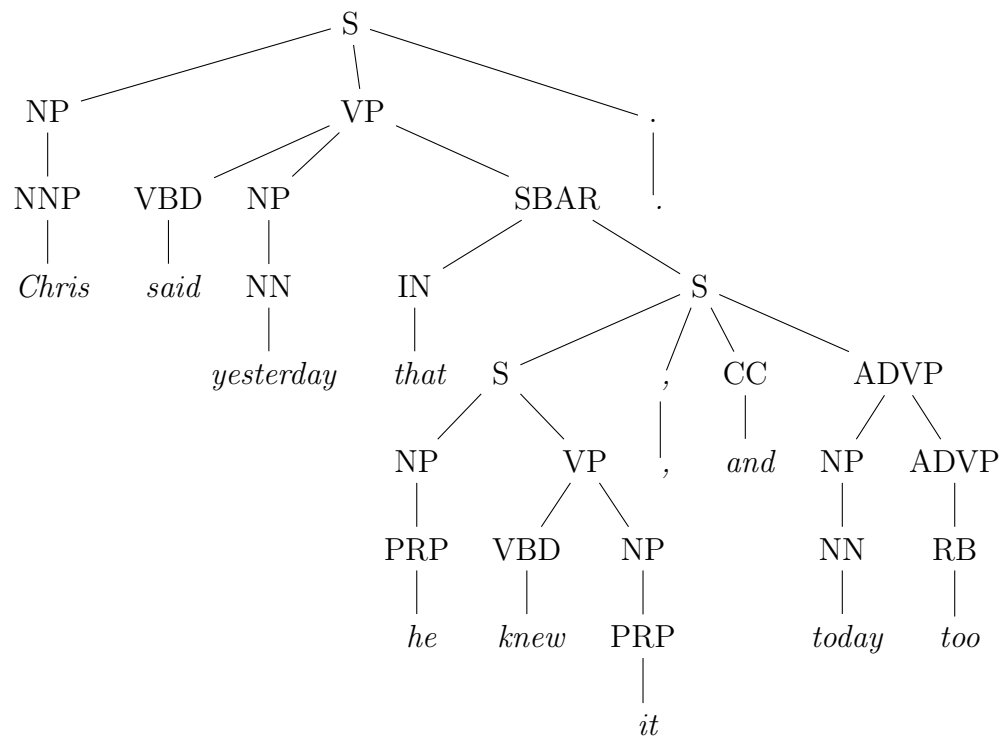
7. `stripping-2`
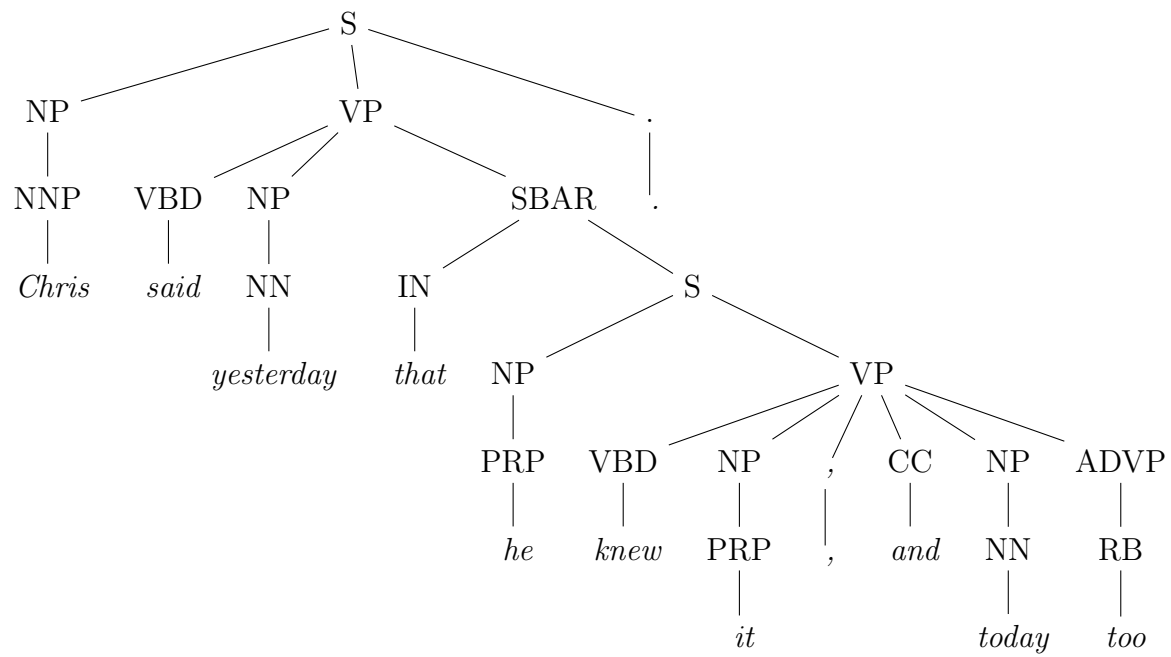
   Chris said yesterday that he knew it, and today too.

   - **Stanford Parser (CoreNLP):**
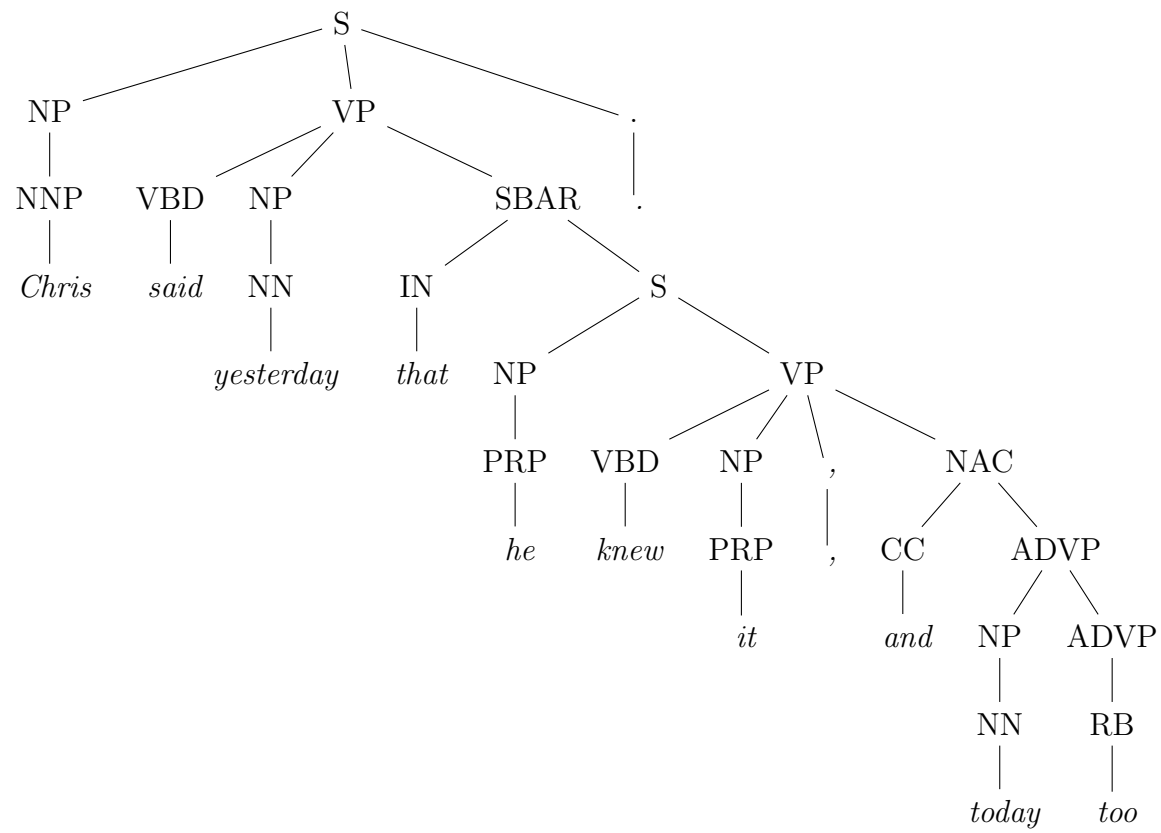
```
                              S
              ┌───────────────┼────────────┐
             NP              VP             .
              │      ┌────────┼────────┐    │
            NNP    VBD    NP-TMP      SBAR   .
              │     │        │     ┌────┴──────┐
           Chris  said      NN    IN           S
                             │     │     ┌──────┴──────┐
                         yesterday that  NP           VP
                                          │    ┌───┬───┼────┐
                                         PRP  VBD  NP  ,   NAC
                                          │    │    │   │  ┌──┴────┐
                                          he  knew PRP  , CC      ADVP
                                                    │      │    ┌──┴──┐
                                                    it    and   NN   RB
                                                                │    │
                                                             today  too
```

- **Berkeley Parser:**

26

- **AllenNLP Parser:**

27

- **CPTAM Parse Aggregation:**

```
                                    S
            ┌───────────────────────┼──────────────┐
           NP                       VP              .
            │            ┌──────────┼──────────┐    │
          NNP          VBD   NP            SBAR     .
            │            │     │        ┌────┴─────┐
          Chris        said   NN       IN          S
                               │        │    ┌─────┴──────┐
                           yesterday  that   NP           VP
                                              │      ┌──┬──┼──────────┐
                                             PRP   VBD  NP  ,        NAC
                                              │     │    │   │    ┌────┴────┐
                                              he   knew PRP  ,    CC       ADVP
                                                          │        │     ┌──┴───┐
                                                          it      and   NP    ADVP
                                                                        │      │
                                                                       NN     RB
                                                                        │      │
                                                                      today   too
```
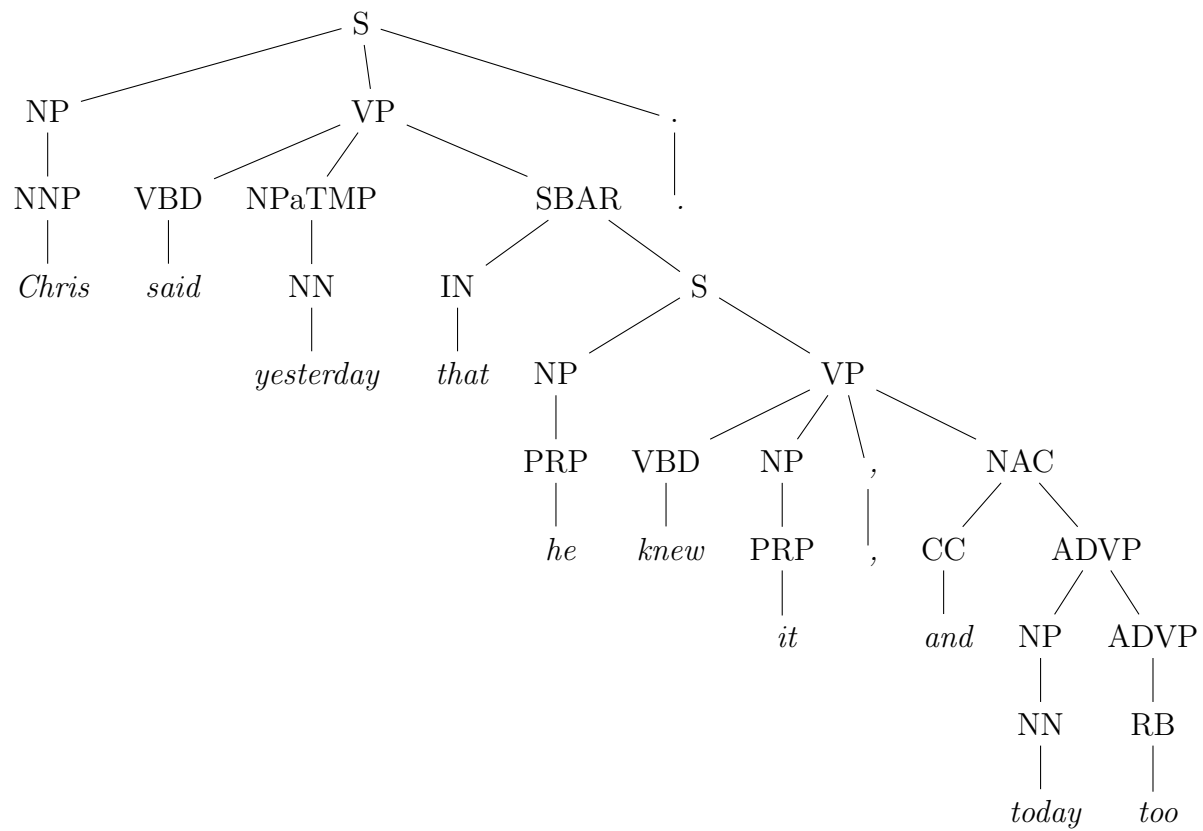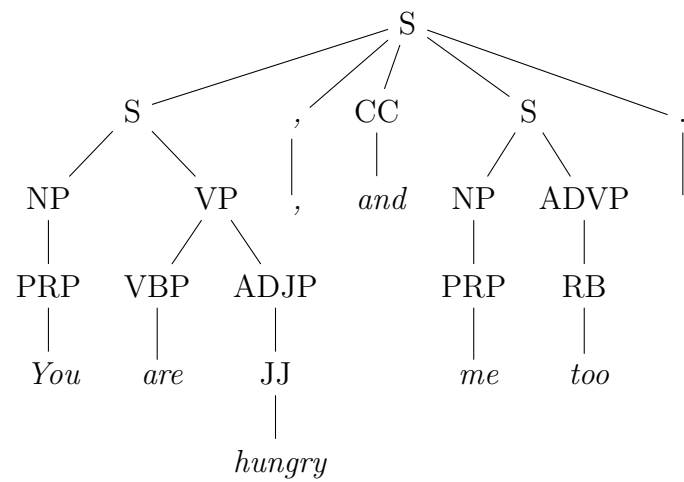
- **CPTAM Parse Aggregation (weighted):**

29
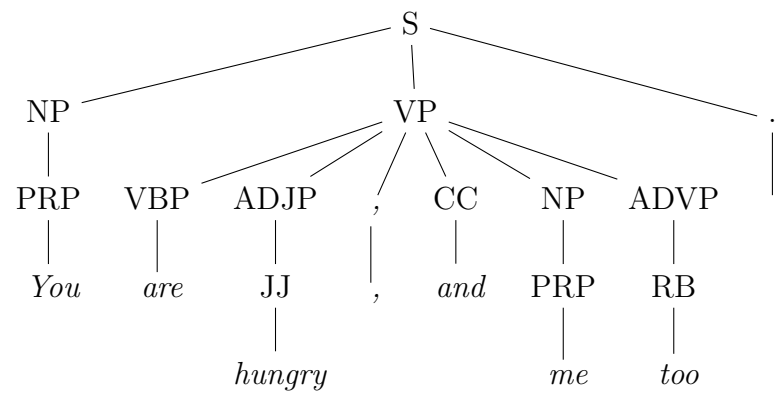
8. `stripping-3`

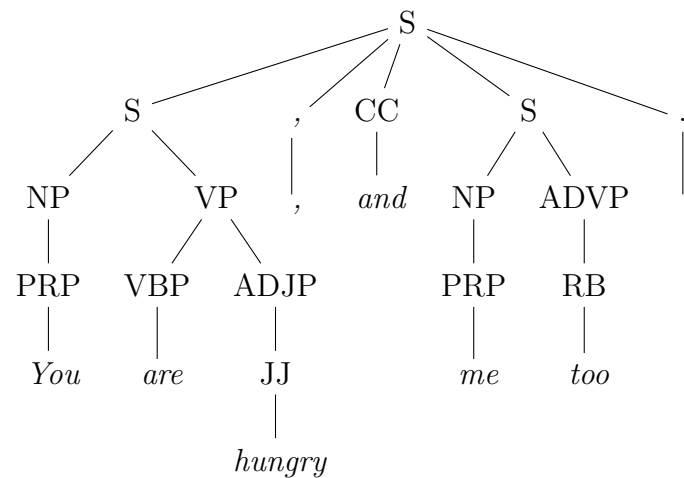   *You are hungry, and me too.*

   - **Stanford Parser (CoreNLP):**

```
                                S
          _____/ | _____
        S              ,    CC         S          .
     __/ \__           |    |       __/ \__       |
   NP      VP          ,   and    NP    ADVP      .
   |     __/ \__                   |      |
  PRP  VBP   ADJP                 PRP     RB
   |    |     |                    |      |
  You  are    JJ                   me    too
             |
           hungry
```

• **Berkeley Parser:**

```
                                S
          _____/ | _____
        S              ,    CC        NP          .
     __/ \__           |    |       __/ \__       |
   NP      VP          ,   and    NP    ADVP      .
   |     __/ \__                   |      |
  PRP  VBP   ADJP                 PRP     RB
   |    |     |                    |      |
  You  are    JJ                   me    too
             |
           hungry
```

• **AllenNLP Parser:**

S

NP   VP   .

PRP   VBP   ADJP   ,   CC   NP   ADVP   .

You   *are*   JJ   ,   *and*   PRP   RB

hungry   *me*   *too*

- **CPTAM Parse Aggregation:**

S

S   ,   CC   S   .

NP   VP   ,   *and*   NP   ADVP   .

PRP   VBP   ADJP   PRP   RB

You   *are*   JJ   *me*   *too*

hungry
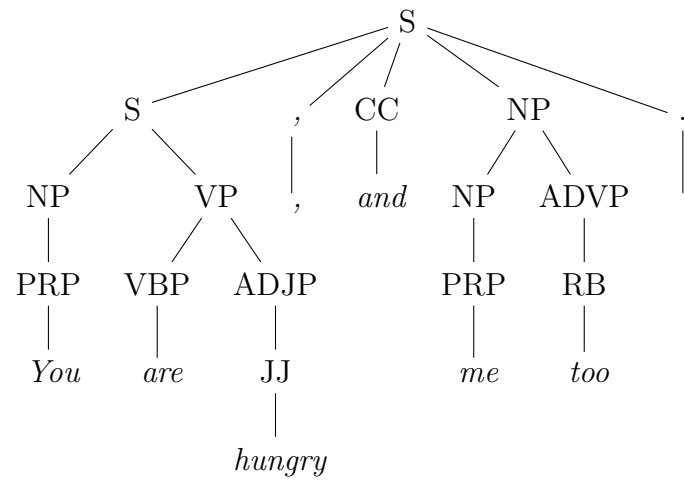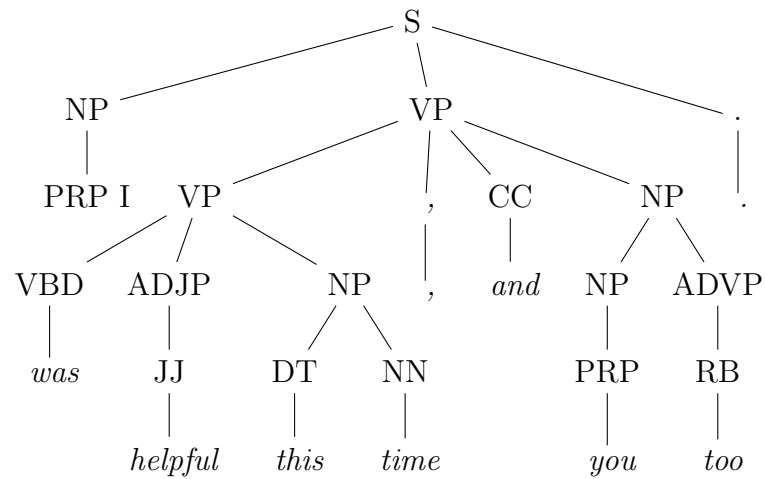
9. `stripping-4`

   I was helpful this time, and you too.

   - **Stanford Parser (CoreNLP):**
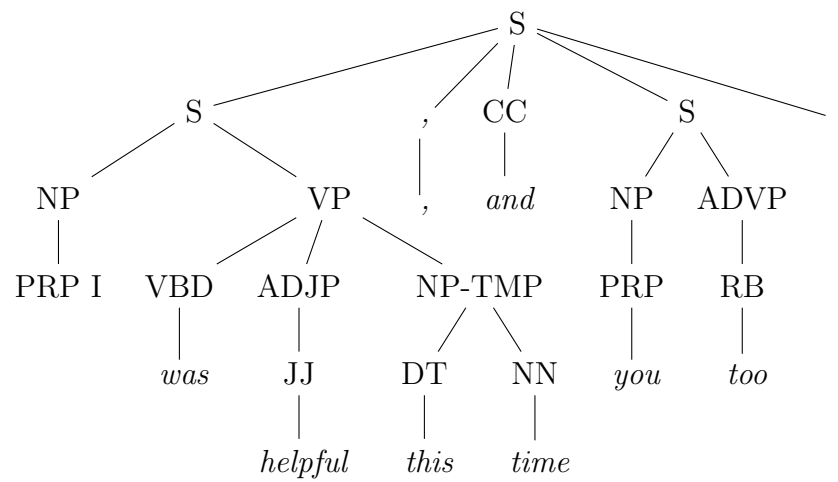
- **Berkeley Parser:**

- **AllenNLP Parser:**

S

NP   VBD   ADJP   NP   ,   CC   NP   ADVP   .

PRP I   *was*   JJ   DT   NN   ,   *and*   PRP   RB   .

helpful   *this*   *time*   *you*   *too*

- **CPTAM Parse Aggregation:**

S

S   ,   CC   S   .

NP   VP   ,   *and*   NP   ADVP   .

PRP I   VBD   ADJP   NP   PRP   RB

was   JJ   DT   NN   *you*   *too*
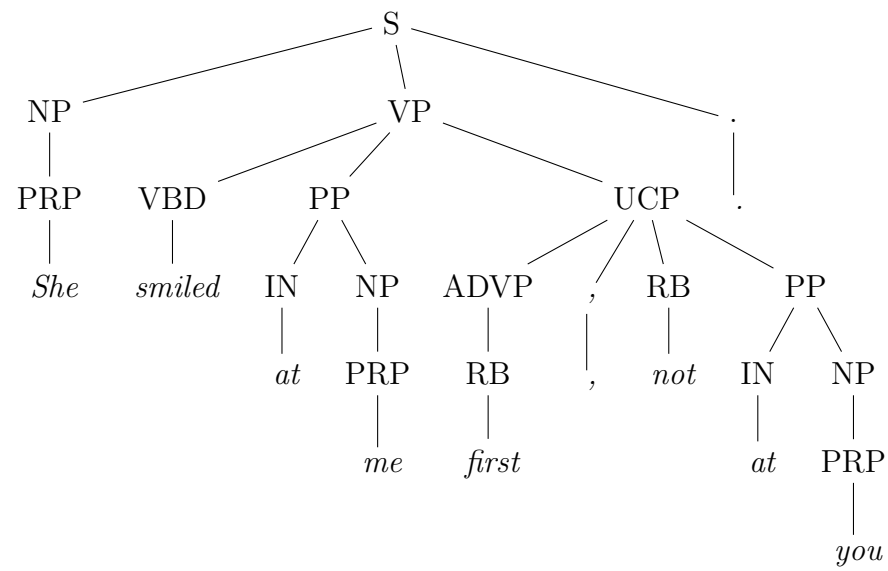
helpful   *this*   *time*

- **CPTAM Parse Aggregation (weighted):**

34
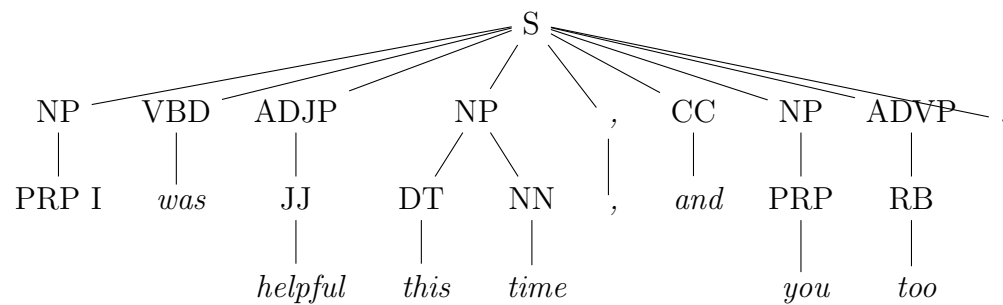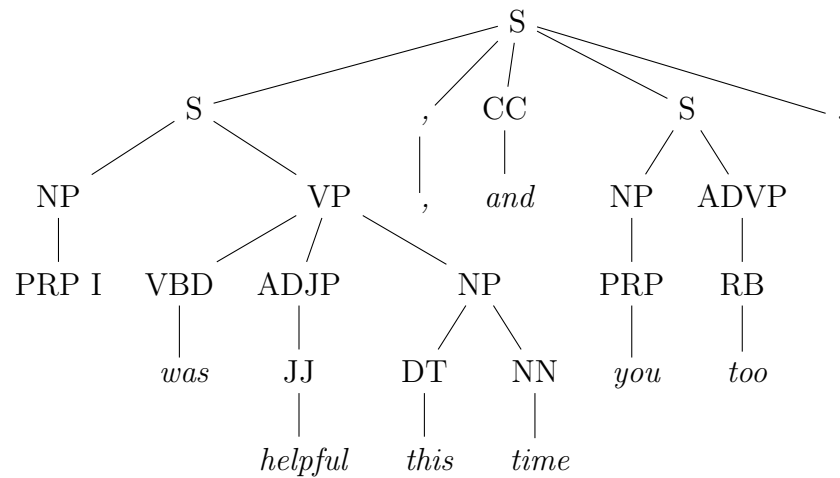
10. `stripping-5`

   She smiled at me first, not at you.

   - **Stanford Parser (CoreNLP):**

```
                              S
             ┌────────────────┼───────────────┐
            NP               VP                .
             │        ┌───────┼────────┐       │
            PRP      VBD     PP        UCP      .
             │        │     ┌──┴──┐  ┌──┬──┬────┐
            She     smiled IN   NP ADVP  ,  RB  PP
                           │    │   │    │   │  ┌─┴─┐
                           at  PRP  RB   ,  not IN  NP
                                │    │           │   │
                                me  first        at PRP
                                                     │
                                                    you
```

• **Berkeley Parser:**

36

- **AllenNLP Parser:**

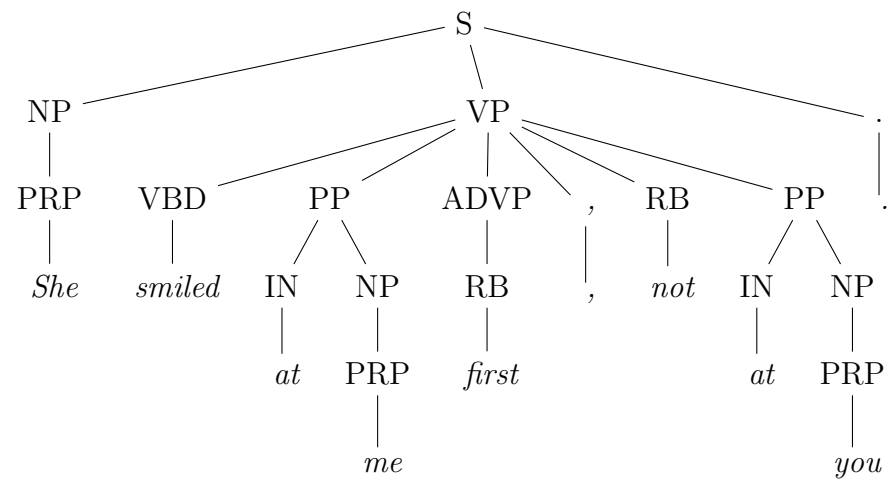- **CPTAM Parse Aggregation:**

```
                              S
          _____/____|_____
        NP                VP                 .
         |       _____/__|_____        |
        PRP    VBD      PP            UCP      .
         |      |      /  \       ___/_|_\___
        She  smiled   IN   NP   ADVP  ,  RB    PP
                      |    |     |    |   |    /  \
                      at  PRP    RB   ,  not  IN   NP
                           |     |             |    |
                          me   first          at  PRP
                                                   |
                                                  you
```
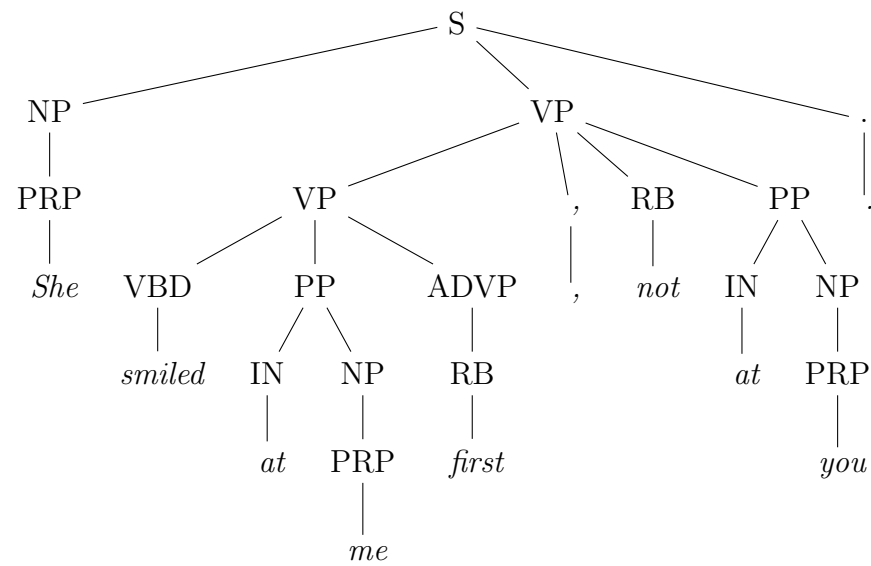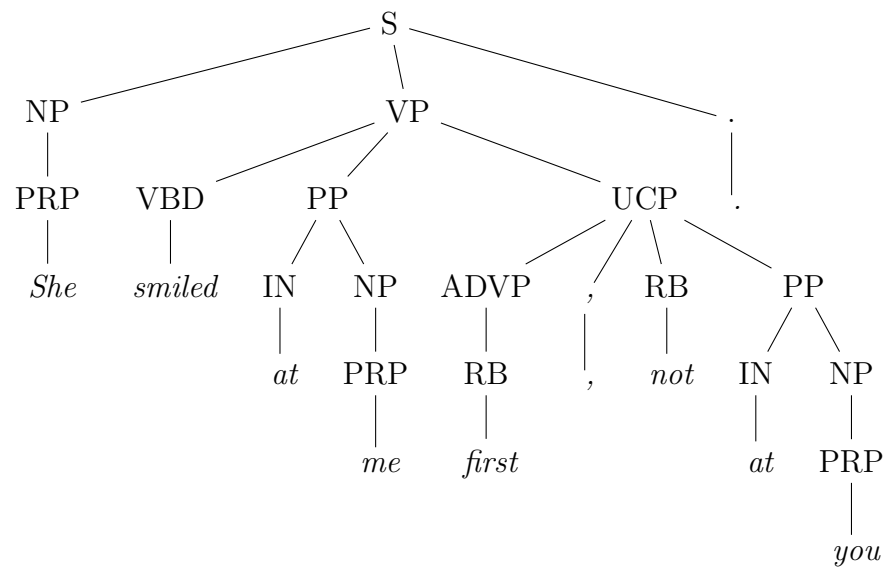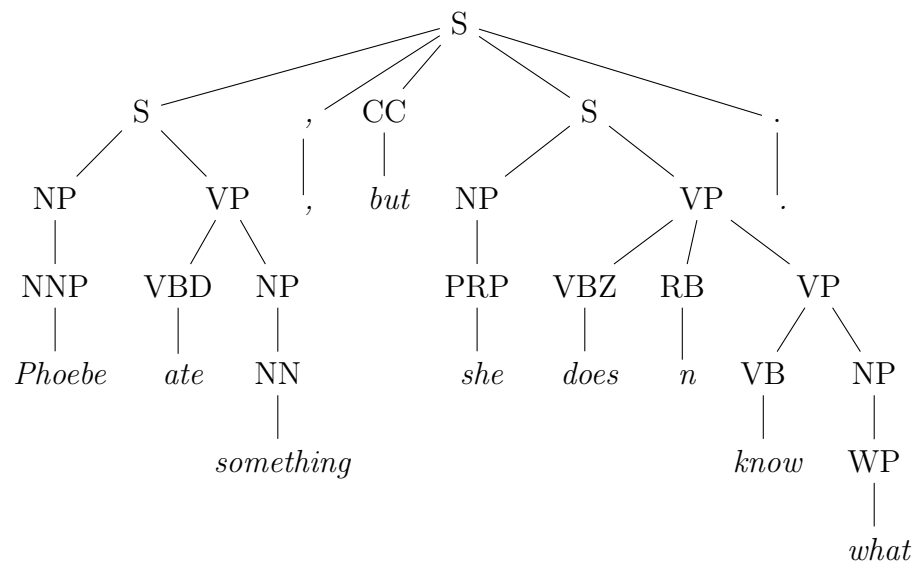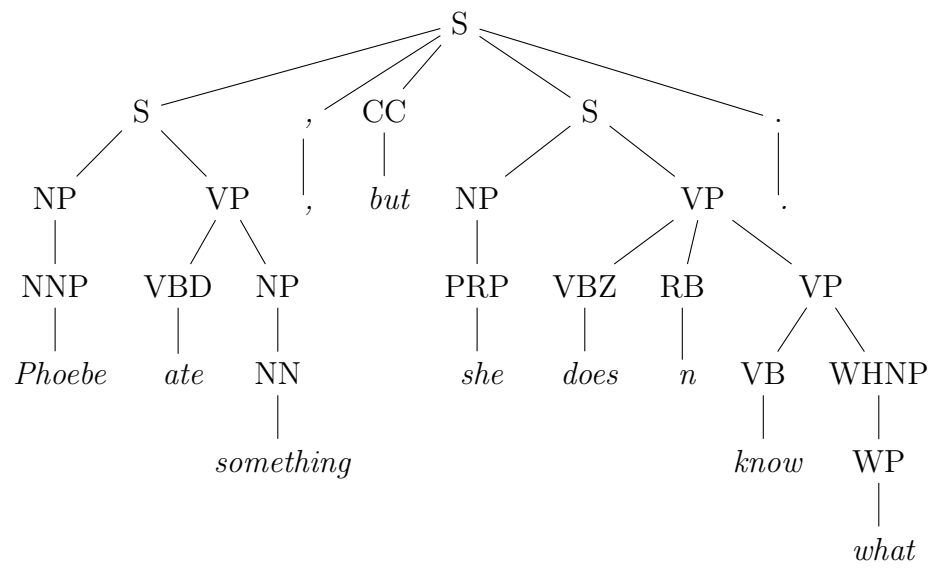
11. `sluicing-1`

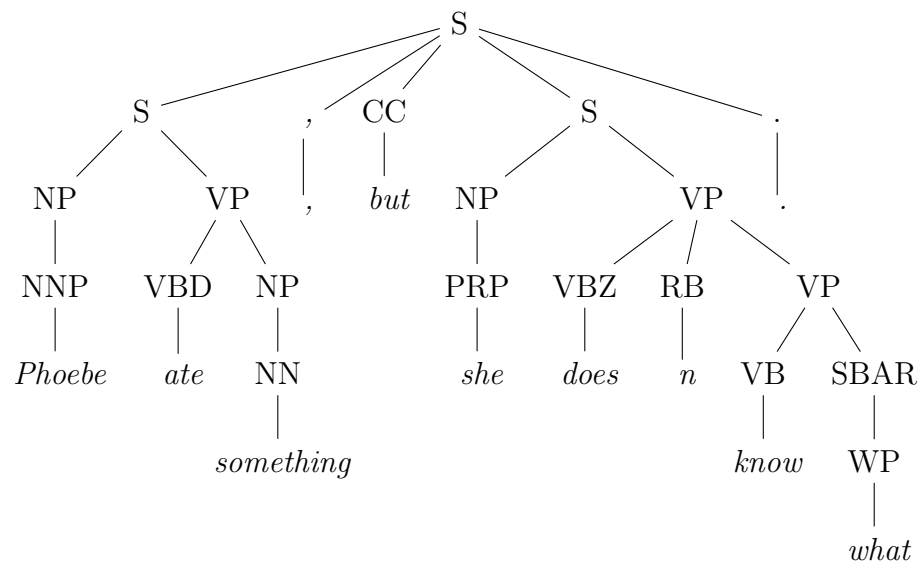   *Phoebe ate something, but she doesn't know what.*

    • **Stanford Parser (CoreNLP):**

- **Berkeley Parser:**

S
├── S
│   ├── NP
│   │   └── NNP
│   │   └── *Phoebe*
│   └── VP
│   ├── VBD
│   │   └── *ate*
│   └── NP
│   └── NN
│   └── *something*
├── ,
│   └── *,*
├── CC
│   └── *but*
├── S
│   ├── NP
│   │   └── PRP
│   │   └── *she*
│   └── VP
│   ├── VBZ
│   │   └── *does*
│   ├── RB
│   │   └── *n*
│   └── VP
│   ├── VB
│   │   └── *know*
│   └── WHNP
│   └── WP
│   └── *what*
└── .
    └── *.*

- **AllenNLP Parser:**

41

- **CPTAM Parse Aggregation:**

S

S , CC S .

NP VP , *but* NP VP .

NNP VBD NP PRP VBZ RB VP

Phoebe *ate* NN *she* *does* *n* VB WHNP

something *know* WP

what

- **CPTAM Parse Aggregation (weighted):**

43

```
                                         S
           ┌──────────┬────┬───────────┼──────────────┬──────────┐
           S          ,    CC          S              .
      ┌────┴────┐      │    │      ┌────┴─────┐        │
      NP        VP     ,   but     NP         VP       .
      │       ┌─┴──┐             │      ┌─────┼────┐
     NNP     VBD   NP           PRP    VBZ    RB    VP
      │       │    │             │      │     │   ┌──┴──┐
    Phoebe   ate   NN           she    does   n  VB    NP
                   │                              │     │
               something                        know   WP
                                                        │
                                                      what
```
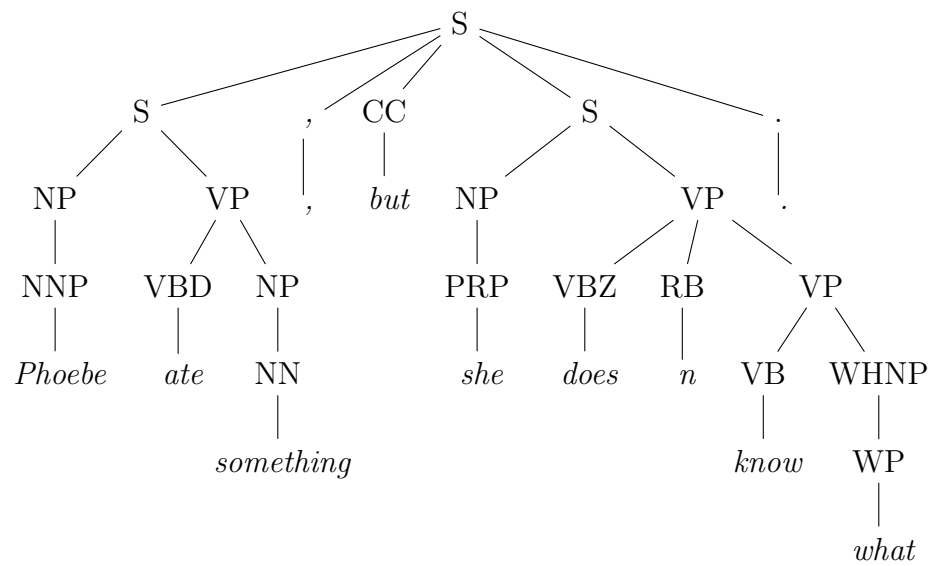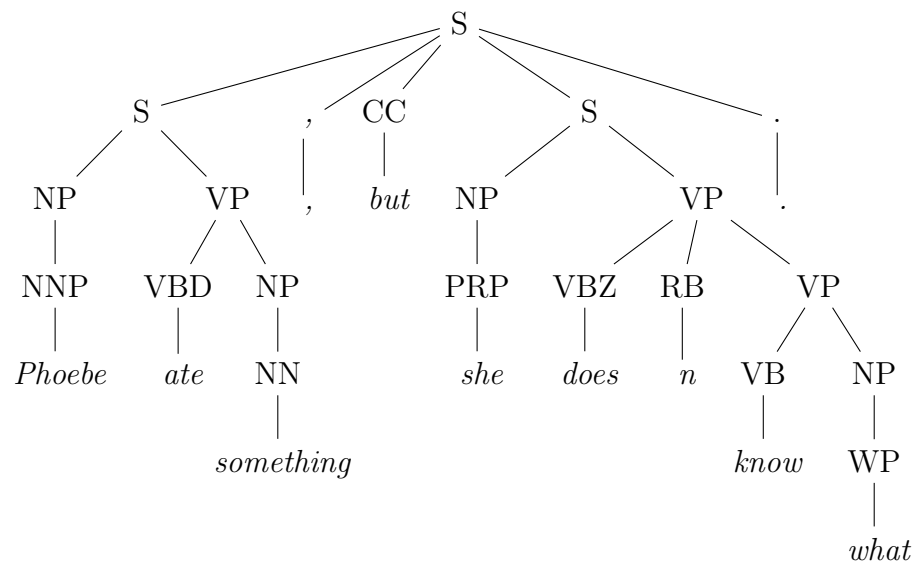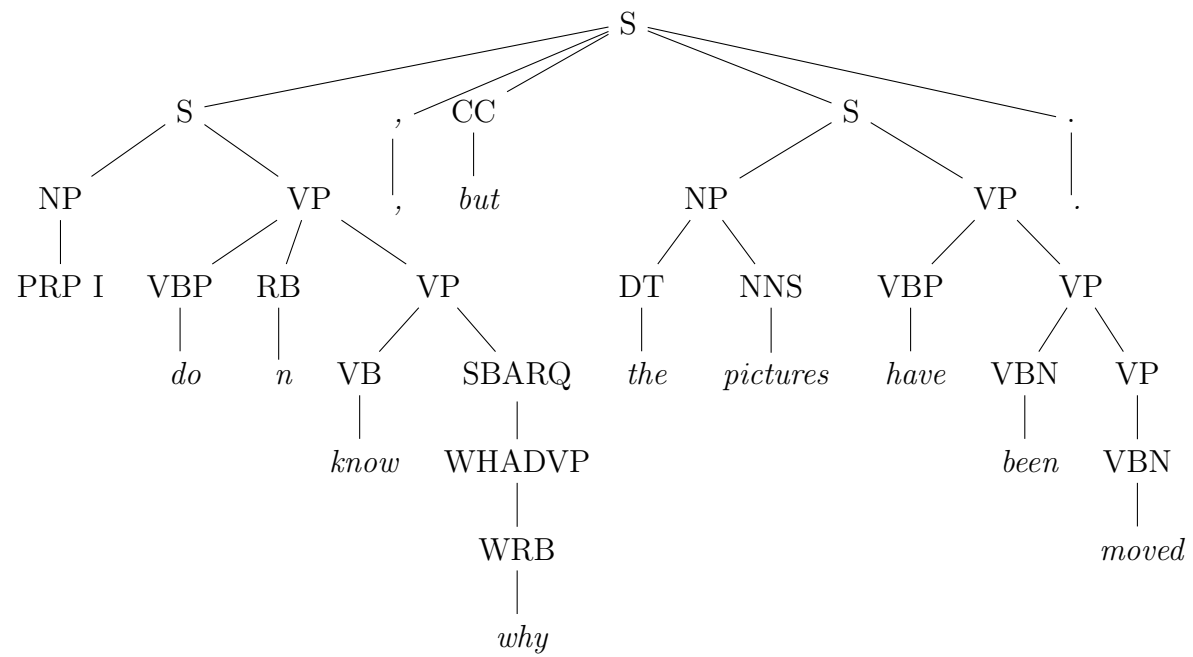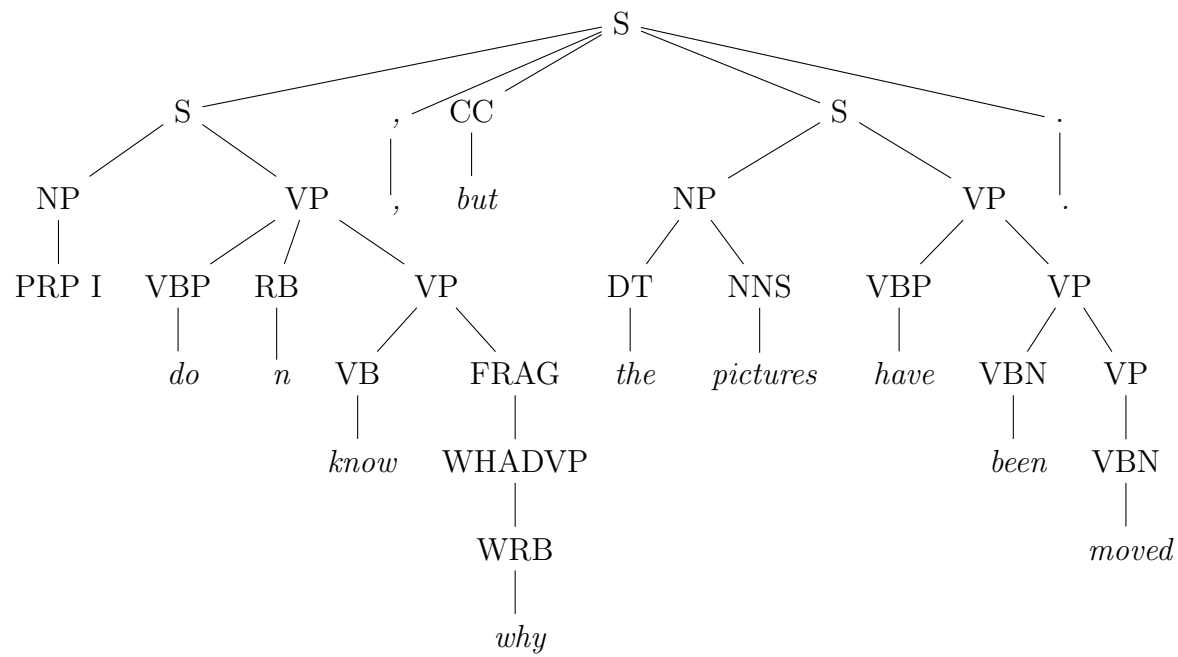
12. `sluicing-2`

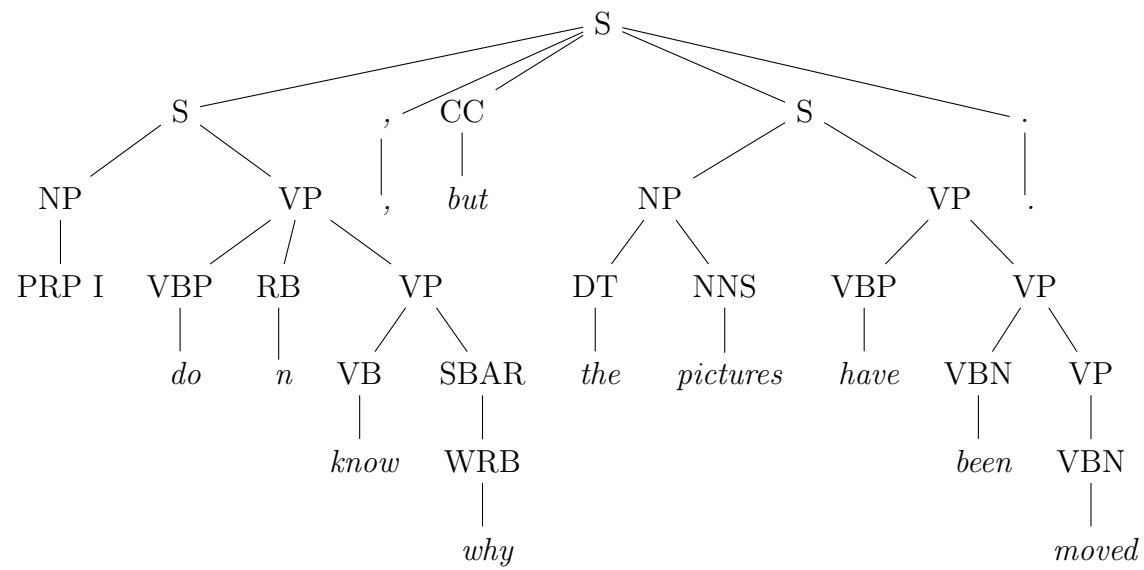   *I don't know why, but the pictures have been moved.*

    • **Stanford Parser (CoreNLP):**
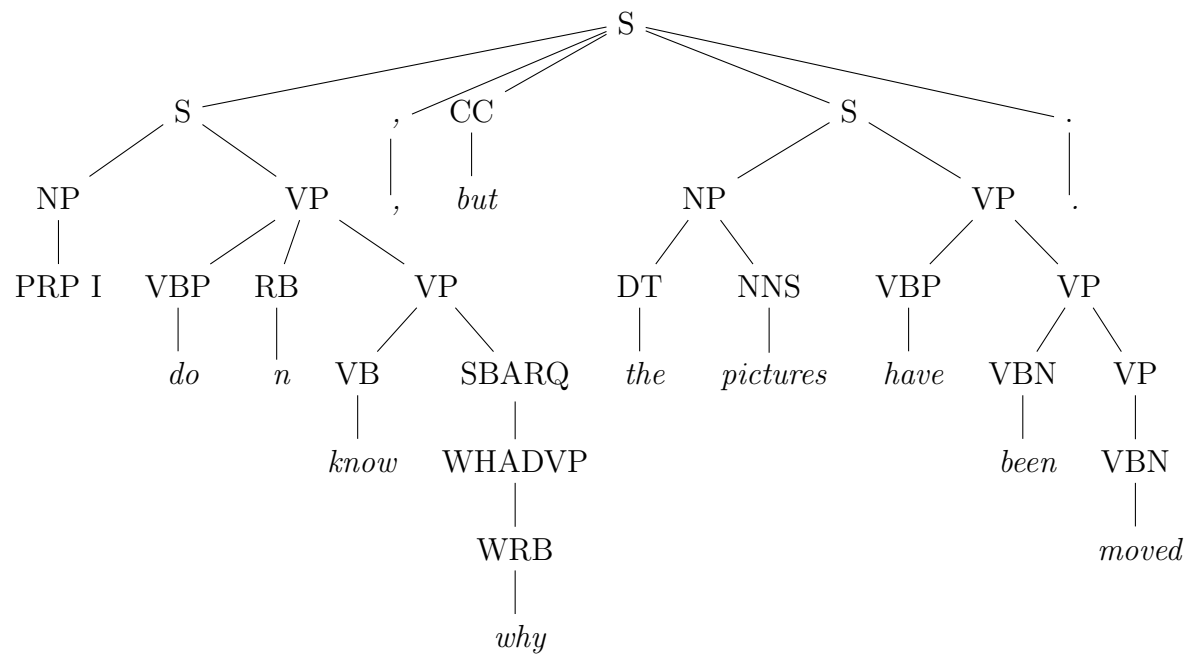
```
                                              S
            _____/___/|_____
           S                      ,   CC         S          .
      ____/ \____                 |   |      ___/ \___       |
     NP          VP               ,   but    NP       VP     .
     |       __/ | \__                       / \      / \
   PRP I   VBP  RB   VP                      DT  NNS VBP  VP
           |    |   /  \                      |   |   |   / \
           do   n  VB  SBARQ                 the pictures have VBN VP
                  |    |                                    |   |
                know  WHADVP                               been VBN
                       |                                         |
                      WRB                                      moved
                       |
                      why
```

- **Berkeley Parser:**

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S

S , CC S .

NP VP , but NP VP .

PRP I VBP RB VP DT NNS VBP VP

do n VB FRAG the pictures have VBN VP

know WHADVP been VBN

WRB moved

why
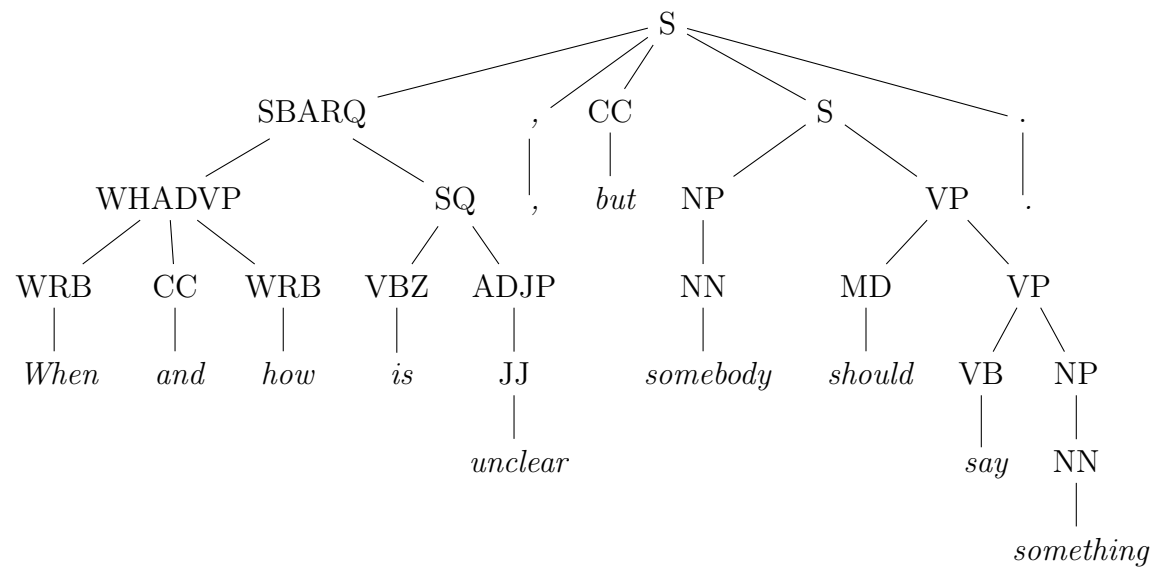
- **AllenNLP Parser:**

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- **CPTAM Parse Aggregation:**

13. `sluicing-3`

When and how is unclear, but somebody should say something.

- **Stanford Parser (CoreNLP):**

S
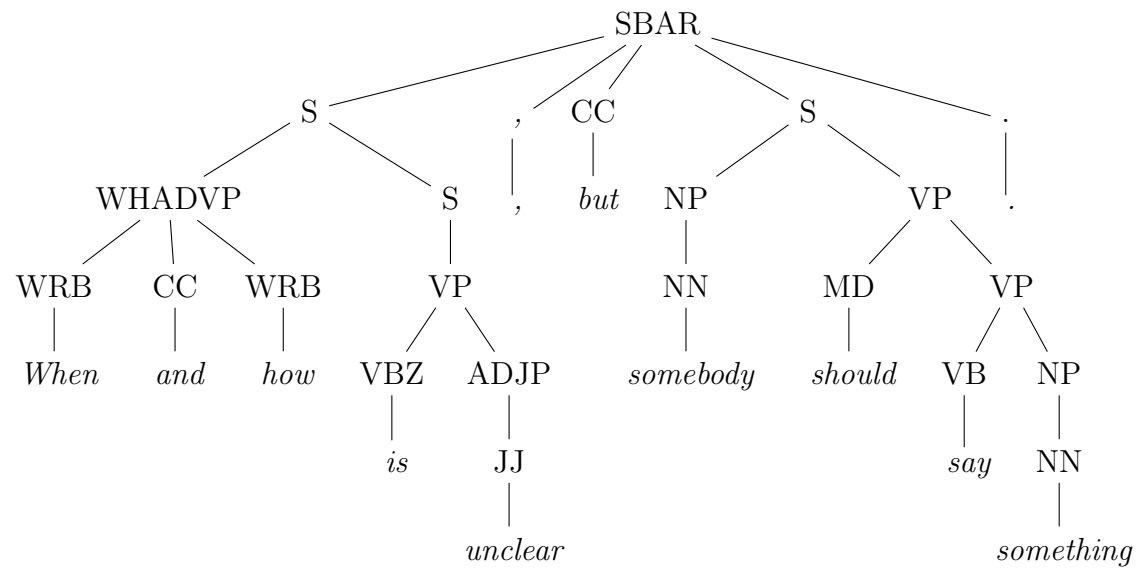
SBARQ , CC S .

WHADVP SQ , but NP VP .

WRB CC WRB VBZ ADJP NN MD VP

When and how is JJ somebody should VB NP

unclear say NN

something

- **Berkeley Parser:**

S
 ├── SBAR
 │   ├── WHADVP
 │   │   ├── WRB — *When*
 │   │   ├── CC — *and*
 │   │   └── WRB — *how*
 │   └── S
 │   └── VP
 │   ├── VBZ — *is*
 │   └── ADJP
 │   └── JJ — *unclear*
 ├── , — *,*
 ├── CC — *but*
 ├── S
 │   ├── NP
 │   │   └── NN — *somebody*
 │   └── VP
 │   ├── MD — *should*
 │   └── VP
 │   ├── VB — *say*
 │   └── NP
 │   └── NN — *something*
 └── . — *.*

- **AllenNLP Parser:**

S

SBAR , CC S .

WHADVP S , but NP VP .

WHADVP CC WHADVP VP NN MD VP

WRB and WRB VBZ ADJP somebody should VB NP

When how is JJ say NN

unclear something

• **CPTAM Parse Aggregation:**

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- **CPTAM Parse Aggregation (weighted):**

S

SBARQ , CC S .

WHADVP SQ , but NP VP .

WRB CC WRB VP NN MD VP

When *and* *how* VBZ ADJP *somebody* *should* VB NP

is JJ *say* NN

unclear *something*