1 Solution

1. The bear that was likely to eat a sandwich yawned.

Kernel sentences:

The bear yawned.
The bear ate a sandwich.
It was likely that S1.

Operations:

a. Infinitive operation with 'likely':
   Output: The bear was likely to eat a sandwich.

b. Relative clause operation:
   Input: The bear yawned.
   The bear was likely to eat a sandwich.
   Output: The bear that was likely to eat a sandwich yawned.
2. The sandwich was eaten by the bear that was persuaded by the students to yawn.

Kernel sentences:

The bear ate a sandwich.
X persuaded Y that S1.
The bear yawned.

Operations:

a. Infinitive Operation for 'persuade':
   Input: The students persuade the bear that the bear yawned.
   Output: The students persuaded the bear to yawn.

b. Passive Operation:
   Input: The students persuaded the bear to yawn.
   Output: The bear was persuaded by the students to yawn.

c. Relative Clause Operation:
   Input: The bear ate a sandwich.
   The bear was persuaded by the students to yawn.
   Output: The bear that was persuaded by the students to yawn ate a sandwich.

d. Passive Operation:
   Input: The bear that was persuaded by the students to yawn ate a sandwich.
   Output: The sandwich was eaten by the bear that was persuaded by the students to yawn.