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2nd year, BS CpE

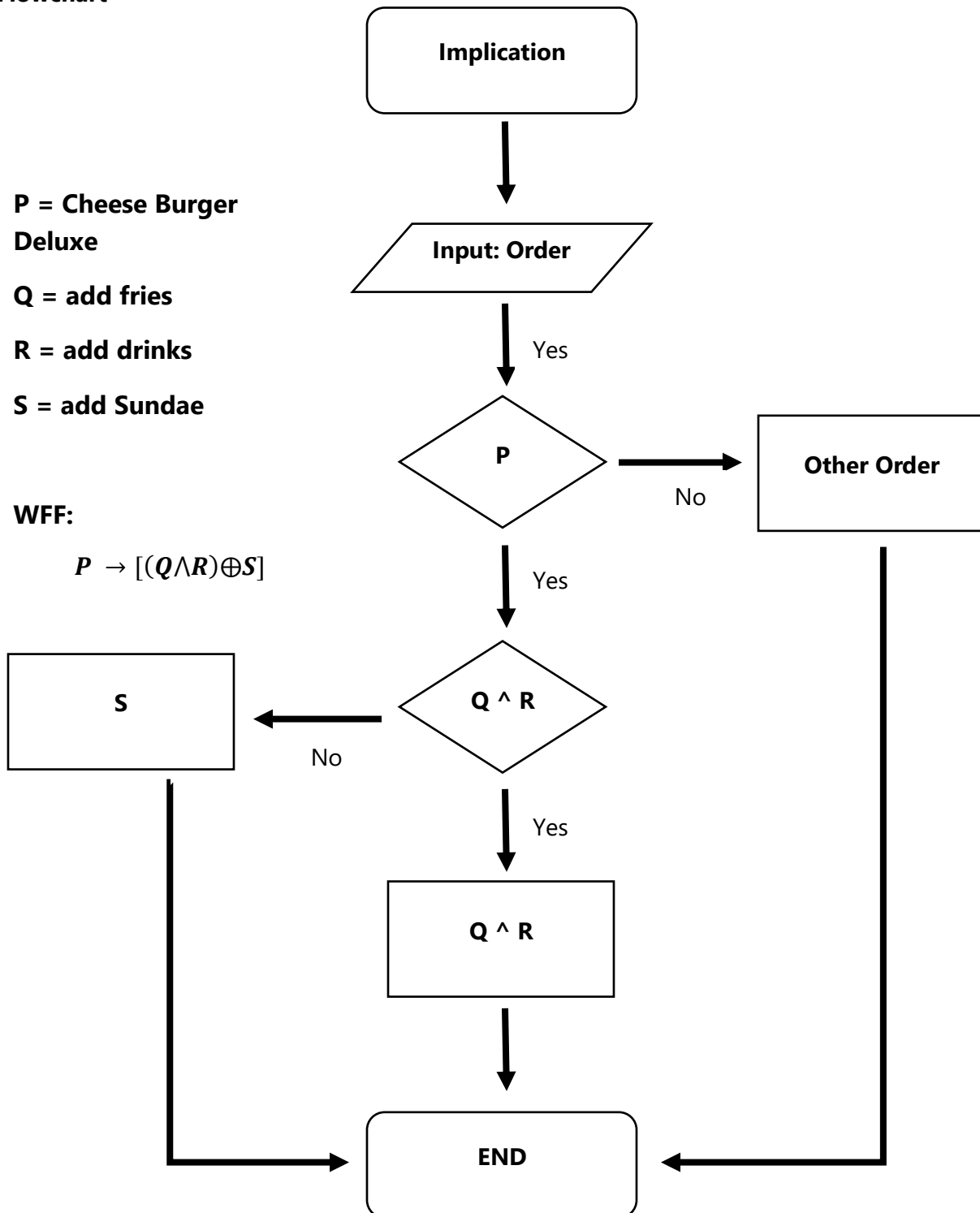**Question 1**

Flowchart

P = Cheese Burger Deluxe

Q = add fries

R = add drinks

S = add Sundae

WFF:

$$P \rightarrow [(Q \land R) \oplus S]$$

Implication

Input: Order

Yes

P → No → Other Order

Yes

Q ^ R → No → S

Yes

Q ^ R

END

Outputs

In [13]:
```python
#Question1

order = input("What is your order: ")
final_order = '';
if(order.lower() == 'cheese burger deluxe'):
    question = input("Add fries and drink? ")
    if (question.lower() == 'yes'):
        final_order = order.title() + " with additional Fries and Drinks."
    else:
        final_order = order.title() + " with Sundae."
else:
    final_order = order.title()
print(final_order)
```

```
What is your order: Cheese burger deluxe
Add fries and drink? yes
Cheese Burger Deluxe with additional Fries and Drinks.
```

In [14]:
```python
#Question1

order = input("What is your order: ")
final_order = '';
if(order.lower() == 'cheese burger deluxe'):
    question = input("Add fries and drink? ")
    if (question.lower() == 'yes'):
        final_order = order.title() + " with additional Fries and Drinks."
    else:
        final_order = order.title() + " with Sundae."
else:
    final_order = order.title()
print(final_order)
```

```
What is your order: cheese burger deluxe
Add fries and drink? no
Cheese Burger Deluxe with Sundae.
```