Untitled1

February 25, 2025

[3]:
```python
#Gavin Modica, The first Sunday after the first full moon of spring
# Let y be the year (such as 1800 or 2001). (This would be your input)
y = int(input("enter the year"))
# Divide y by 19 and call the remainder a . Ignore the quotient.
a = y % 19
#. Divide y by 100 to get a quotient b and a remainder c .
b = y // 100
c = y % 100
# Divide b by 4 to get a quotient d and a remainder e .
d = b // 4
e = b % 4
# Divide 8 * b + 13 by 25 to get a quotient g . Ignore the remainder.
g = (8 * b + 13) // 25
# Divide 19 * a + b - d - g + 15 by 30 to get a remainder h . Ignore the
 ↪quotient.
h = (19 * a + b - d - g + 15) % 30
# Divide c by 4 to get a quotient j and a remainder k .
j = c //4
k = c % 4
# Divide a + 11 * h by 319 to get a quotient m . Ignore the remainder.
m = (a + 11 * h) // 319
# Divide 2 * e + 2 * j - k - h + m + 32 by 7 to get a remainder r . Ignore the
 ↪quotient.
r = (2 * e + 2 * j - k - h + m + 32) % 7
# Divide h - m + r + 90 by 25 to get a quotient n . Ignore the remainder.
n = (h - m + r + 90) // 25
# Divide h - m + r + n + 19 by 32 to get a remainder p . Ignore the quotient.
p = (h - m + r + n + 19) % 32
print("In the year {} The first Sunday after the full moon in spring is on
 ↪month {} and day {}".format(y, n, p))
```

enter the year 2025

In the year 2025 The first Sunday after the full moon in spring is on month 4
and day 20
4
20

1

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[ ]:
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