```
Question 1
Code point to binary: U+1F974
0x1 = 0001
F = 1111
9 = 1001
7 = 0111
4 = 0100
-> 0001 1111 1001 0111 0100
:. 1 1111 1001 0111 0100
Since U+1F974 > 0x10000, it uses 4 bytes (UTF-8 pattern)
Pattern: 11110 xxx 10 xxxxxx 10 xxxxxx 10 xxxxxx
To make it to 21 bits, add 4 zeros in front:
- 0000 IIIIIIO 0101110 100
Group to 3, 6, 6, 6 bits format:
-7000 OIIIII 100101 110100
Final conversion
Byte 1: 11110 000
                          → 0×F0
Byte 2: 10 011111
                          -7 0×9F
                          - Ox AS
Byte 3:10 100101
Byte 4: 10 110100
                          -> 0 x B4
:. FO 9F AS 84
```