QUIZ 3

COMP9021 PRINCIPLES OF PROGRAMMING

```
$ python3
...
>>> from quiz_3 import *
>>> somos_sequence(3, 20)
['1', '1', '1', '1', '1', '1', '1', '1', '1', '1', '1', '1', '1', '1',
        '1', '1', '1', '1', '1', '1']
>>> somos_sequence(4, 20)
['1', '1', '1', '1', '2', '3', '7', '23', '59', '314', '1529', '8209',
        '83313', '620297', '7869898', '126742987', '1687054711',
        '47301104551', '1123424582771', '32606721084786']
>>> somos_sequence(6, 20)
['1', '1', '1', '1', '1', '1', '3', '5', '9', '23', '75', '421', '1103', '5047',
        '41783', '281527', '2534423', '14161887', '232663909', '3988834875']
>>> somos_sequence(8, 20)
['1', '1', '1', '1', '1', '1', '1', '1', '4', '7', '13', '25', '61', '187',
        '775', '5827', '14815', '420514/7', '28670773/91',
        '6905822101/2275']
>>> somos_sequence(10, 25)
['1', '1', '1', '1', '1', '1', '1', '1', '1', '1', '5', '9', '17', '33', '65',
        '149', '413', '1473', '7073', '64785', '800961/5',
        '28554817/45', '691448027/255', '73809440273/5049',
        '241414901801357/1640925']
>>> integer_somos_sequence(3, 20)
[1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]
>>> integer_somos_sequence(4, 20)
[1, 1, 1, 1, 2, 3, 7, 23, 59, 314, 1529, 8209, 83313, 620297,
        7869898, 126742987, 1687054711, 47301104551,
        1123424582771, 32606721084786]
>>> integer_somos_sequence(6, 20)
[1, 1, 1, 1, 1, 1, 3, 5, 9, 23, 75, 421, 1103, 5047, 41783, 281527,
        2534423, 14161887, 232663909, 3988834875]
>>> integer_somos_sequence(8, 10)
[1, 1, 1, 1, 1, 1, 1, 1, 4, 7]
>>> integer_somos_sequence(8, 20)
[1, 1, 1, 1, 1, 1, 1, 1, 4, 7, 13, 25, 61, 187, 775, 5827, 14815]
>>> integer_somos_sequence(10, 15)
[1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 5, 9, 17, 33, 65]
>>> integer_somos_sequence(10, 25)
[1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 5, 9, 17, 33, 65, 149, 413, 1473, 7073, 64785]
```