Informatics 2   midterm 2   Spring 2024

NAME⋆   NEPTUN CODE⋆ | | | | | | |

You can write anything anywhere on this sheet or its back; it's only what you write in the boxes below with a pen that counts.

YOUR ANSWERS:

1	2	3	4	5

Problem 1. What is the value of the expression `s.split()[3]` if
`s = 'tpu ta irh wp mue ue'`?

1 wp

Problem 2. What is the value of the expression `len(s)` after executing
`x = 100000 ; s = f'avyc{2*x}ysb'`?

2 13

Problem 3. What is the value of the expression `d.get('wkr', 19)` if
`d = {'ip':  0, 'wznmx':  1, 'eldbe':  2, 'givny':  3, 'nqms':  4, 'rsns':  5, 'kva':  6}`?

3 19

Problem 4. Suppose that the function `f` is defined as follows:

```python
def f(l):
    for index1, e1 in enumerate(l):
        for index2, e2 in enumerate(l[index1+1:], index1+1):
            if e1 == e2:
                return index2
```

What is the value of the expression `f([1, 3, 5, 4, 2, 4, 6, 0, 7, 8])`?

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Problem 5. Suppose that the function `f` is defined as follows:

```python
def f(string, dictionary):
    res = ""
    for c in string:
        res += dictionary[c] if c in dictionary else c
    return res
```

What is the value of the expression `f(s,d)[0]` if `s = 'zcneajnyndbt'`
and
`d = {'d': 'b', 'z': 'ac', 'n': 't', 'j': 'bgn', 'a': 'ti', 'y': 'w'}`?

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