

P10. (difficulty 4*) In an old-time programming class, to properly turn in a programming submission, the submission file has to be named tAA_BBBBBBBBBBBB.tar, where AA is a topic number and BBBBBBBBBBBB is a student

id (10 digits) without hyphen. For example, t01_6210112341.tar is a proper submission file name, while the followings are invalid submission file names:

t1_6210112341.tar (missing one digit of the topic number), 6210112341.tar (no topic number at all), t08_621011234.tar (student id is not complete. A digit

is missing), t04_621011234-1.tar (there is a hyphen), t05_6210112341.zip (wrong file extension), t056210112341.tar (no underscore), t05_6210112341.tar (there is a space), T05_6210112341.tar (capitalized T), t15-621011234.tar (underscore becomes hyphen), t015_6210112341.tar (extra digit), etc.

Write a function named is_valid to take in a submission file name and return boolean True when the name is a valid submission file name and boolean False when it is invalid.

Example

When invoke by

```
r = is_valid('t05_6210112341.tar')
print(r)
print(type(r))
r = is_valid('t5_621011234-1.zip')
print(r)
r = is_valid('T5_621011234-1.zip')
print(r)
```

it results

```
=====
True
<class 'bool'>
False
False
=====
```