tf.contrib.framework.nest.assert_shallow_structure

```
assert_shallow_structure(
    shallow_tree,
    input_tree,
    check_types=True
)
```

Defined in `tensorflow/python/util/nest.py`.

Asserts that `shallow_tree` is a shallow structure of `input_tree`.

That is, this function tests if the `input_tree` structure can be created from the `shallow_tree` structure by replacing its leaf nodes with deeper tree structures.

Examples:

The following code will raise an exception:

```
  shallow_tree = ["a", "b"]
  input_tree = ["c", ["d", "e"], "f"]
  assert_shallow_structure(shallow_tree, input_tree)
```

The following code will not raise an exception:

```
  shallow_tree = ["a", "b"]
  input_tree = ["c", ["d", "e"]]
  assert_shallow_structure(shallow_tree, input_tree)
```

Args:

- `shallow_tree`: an arbitrarily nested structure.
- `input_tree`: an arbitrarily nested structure.
- `check_types`: if `True` (default) the sequence types of `shallow_tree` and `input_tree` have to be the same.

Raises:

- `TypeError`: If `shallow_tree` is a sequence but `input_tree` is not.
- `TypeError`: If the sequence types of `shallow_tree` are different from `input_tree`. Only raised if `check_types` is `True`.
- `ValueError`: If the sequence lengths of `shallow_tree` are different from `input_tree`.

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