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$$p \wedge q \to q \wedge p$$

[1]:
```python
import subprocess
```

[2]:
```python
codice = '''
theorem and_commutative (p q : Prop) : p   q → q   p :=
    fun hpq : p   q =>
    have hp : p := And.left hpq
    have hq : q := And.right hpq
    show q   p from And.intro hq hp
'''
```

[3]:
```python
with open('codice.lean', 'w') as documento:
    documento.write(codice)
```

[4]:
```python
esecuzione = subprocess.run(['/home/mrz/lean-4.10.0-linux/bin/lake', 'env',
    ↪'lean', 'codice.lean'], capture_output = True, text = True)
```

[5]:
```python
print(esecuzione)
```

```
CompletedProcess(args=['/home/mrz/lean-4.10.0-linux/bin/lake', 'env', 'lean',
'codice.lean'], returncode=0, stdout='', stderr='')
```

[ ]: