

```
# FeO film on Pt(111)
from ase.build import (root_surface,
                        fcc111, stack)

primitive_substrate = fcc111('Pt',
                              size=(1, 1, 4), vacuum=2)
substrate = root_surface(
    primitive_substrate, 84)
primitive_film = fcc111('Fe',
                        size=(1, 1, 2), a=3.9, vacuum=1)
primitive_film[1].symbol = 'O'
film = root_surface(primitive_film, 67)
interface = stack(substrate, film,
                  fix=0, maxstrain=None)
```