

```
(define (multiple-dwelling)
  (let ((baker      (one-of 1 2 3 4 5))
        (cooper     (one-of 1 2 3 4 5))
        (fletcher   (one-of 1 2 3 4 5))
        (miller     (one-of 1 2 3 4 5))
        (smith      (one-of 1 2 3 4 5)))
    (require-distinct
      (list baker cooper fletcher miller smith))
    (forbid (= baker 5))
    (forbid (= cooper 1))
    (forbid (= fletcher 5))
    (forbid (= fletcher 1))
    (require (> miller cooper))
    (forbid (= 1 (abs (- smith fletcher)))))
    (forbid (= 1 (abs (- fletcher cooper)))))
    (list baker cooper fletcher miller smith)))
```