① True branch is taken as target is larger than guess
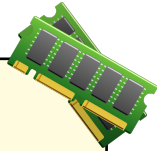
Perform Guess

num guess: [2]

target: [37]

guess: [25]

result: [True]

Instruction: [Step 8]

...

Instruction: [...]

```
Function: Perform Guess
-----------------------------
Returns: Boolean - True if the user has guessed the Target
Parameters:
 1: Num Guess (Integer) - The number of the guess (1..7)
 2: Target (Integer) - The target the user is aiming for
Steps:
  1: Output 'Guess ', num_guess, and ': '
  2: Read input into guess
  3:
  4: if target is less than guess then
  5:     Output 'The number is less than ', guess
  6: else
  7:     if target is larger than guess then
  8:         Output 'The number is larger than ', guess
  9:     else
 10:         Output 'Well done... the number was ', guess
 11: result := target = guess;
```

② Execution jumps to step 8

Terminal — bash — 80×24

```
I am think of a number ...
Guess 1: 50
The number is less than 50
Guess 2: 25
The number is larger than 25
```