

Int Return type ; Passing more than 1 argument.

1. Find $\text{power}(\text{mantissa}, \text{exponent})$: 2³

```
return m * Power(m, e-1)
return 1; // Base case hit
```

Power(2,3)

①

Power(2,2)

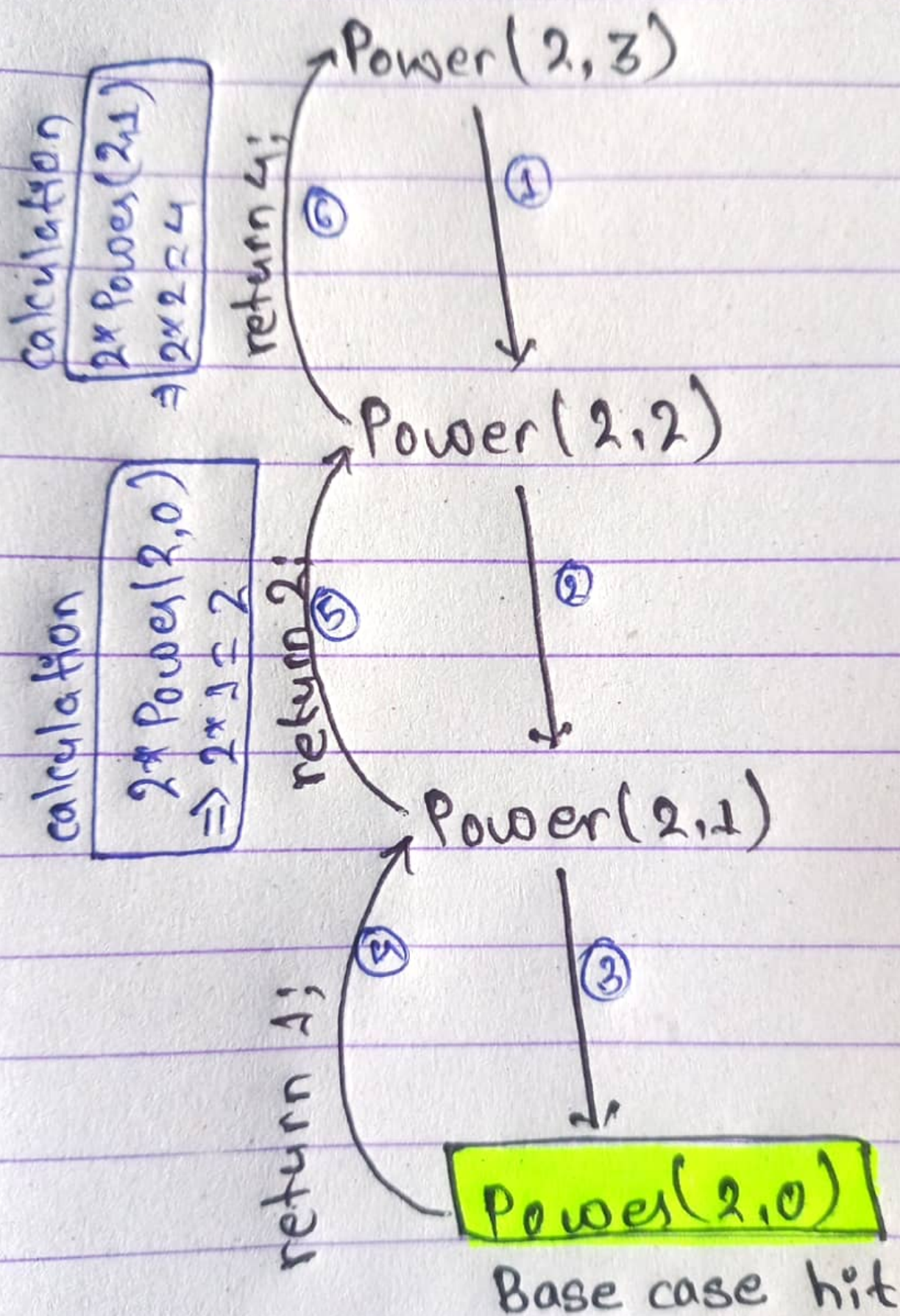
②

Power(2,1)

③

Power(2,0)

Base case hit



Calculation

$$2 \times \text{power}(2, 2) \\ = 2 \times 4 = 8$$

→ return 8;
to main function;

Power(2, 3)

①



Power(2, 2)

②



Power(2, 1)

③



Power(2, 0)

Base case hit

return 1;

②

return 2;

③

return 4;

④

Calculation

$$2 \times \text{Power}(2, 1) \\ \Rightarrow 2 \times 2 = 4$$

Calculation

$$2 \times \text{Power}(2, 0) \\ \Rightarrow 2 \times 1 = 2$$