```
sop("enter no");
num = 4;
```

↓

```
int fact = printfact(num)
```

↓

```
public static int printfact(int num)
```

↓

if (num <= 0) → return [1]

else ↓

```
return num * printfact(num-1)
```

↓ (dashed box)

① 4 * printfact(3) ⟩ 4 * 6 → 24

↓

② 3 * printfact(2) ⟩ 3 * 2 → 6

↓

③ 2 * printfact(1) ⟩ 2 * 1 → 2

④ 1 * printfact(0) ⟩ 1 * 1 → 1

⑤ 0 * printfact(-1) ⟩ 1

↓

```
sop(24);
```