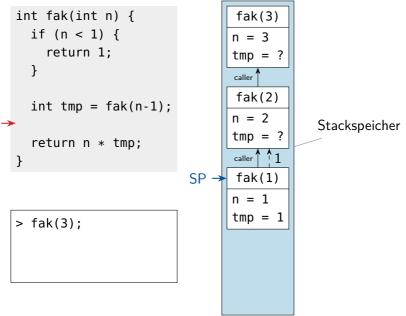
```
→int fak(int n) {
   if (n < 1) {
      return 1;
    int tmp = fak(n-1);
    return n * tmp;
 > fak(3);
```

```
int fak(int n) {
                                fak(3)
                                           Call-Frame
  if (n < 1) {
                               n = 3
                                            Objekt
    return 1;
                               tmp = ?
  int tmp = fak(n-1);
  return n * tmp;
> fak(3);
```

```
int fak(int n) {
                                 fak(3)
                                            Call-Frame
  if (n < 1) {
                                n = 3
                                              Objekt
    return 1;
                                tmp = ?
                                caller 1
                                 fak(2)
  int tmp = fak(n-1);
                                n = 2
                                tmp = ?
  return n * tmp;
> fak(3);
```

```
int fak(int n) {
                                 fak(3)
  if (n < 1) {
                                 n = 3
    return 1;
                                 tmp = ?
                                 caller 1
                                 fak(2)
  int tmp = fak(n-1);
                                 n = 2
                                              Stackspeicher
                                 tmp = ?
  return n * tmp;
                                 caller 1
                          SP
                                 fak(1)
                                 n = 1
                                 tmp = ?
> fak(3);
```

```
int fak(int n) {
                                  fak(3)
  if (n < 1) {
                                 n = 3
    return 1;
                                 tmp = ?
                                 caller 1
                                  fak(2)
  int tmp = fak(n-1);
                                 n = 2
                                              Stackspeicher
                                 tmp = ?
  return n * tmp;
                                 caller 1
                                  fak(1)
                                 n = 1
                                 tmp = ?
> fak(3);
                                 caller 1 1
                           SP
                                 fak(0)
                                 n = 0
                                 tmp = ?
```



```
fak(3)
int fak(int n) {
  if (n < 1) {
                                n = 3
    return 1;
                                tmp = ?
                                caller ↑ ↑2
                         SP
                                fak(2)
  int tmp = fak(n-1);
                                n = 2
                                             Stackspeicher
                                tmp = 1
  return n * tmp;
> fak(3);
```

```
int fak(int n) {
                               fak(3)
  if (n < 1) {
    return 1;
                               tmp = 2
  int tmp = fak(n-1);
                                           Stackspeicher
  return n * tmp;
> fak(3);
```

```
int fak(int n) {
  if (n < 1) {
    return 1;
  int tmp = fak(n-1);
                                            Stackspeicher
  return n * tmp;
> fak(3);
6;
>
```