

Subjekt I

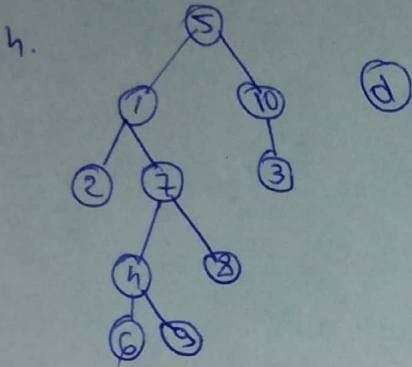
1. ①

2. $B = a[0][0] + \dots + a[5][5] = 0 + 2 + 0 + 6 + 0 + 10 = 18$

②

3. { 5, 4, 2 }

②



5. ① b

Subjekt II

1. a) 3211232112

b) 2 21

3 22

c)

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{ int m, l;
```

```
cin >> m >> l;
```

```
for (int i = 1; i <= m; i++)
```

```
{
```

```
for (int j = l; j > 0; j--) cout << j << " ";
```

```
for (int j = 1; j <= l; j++) cout << j << " ";
```

```
l--;
```

```
}
```

```
return 0;
```

```
}
```

d) cîtește m, n

$i \leftarrow 1$

cît timp $i \leq m$ execută

pentru $j \leftarrow 1, \dots, n-1$ execută

scrie $j, ' '$

□

pentru $j \leftarrow 1, \dots, n$ execută

scrie $j, ' '$

□

$n \leftarrow n-1$

$i \leftarrow i+1$

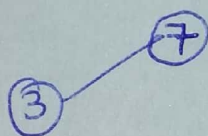
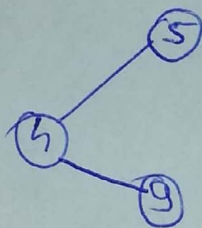
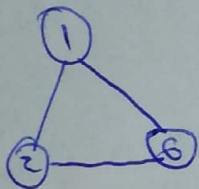
□

2.

$$f(0) = 0$$

$$f(23575200) = 1 + f(235752) = 1 + f(2357) = 2 + f(23) = 3 + f(0) = 3$$

3.



4 2