





2.

| Output | Output |
|-------------------|--|
| /tmp/edIImLQ2t0.o | /tmp/edIImLQ2t0.o |
| 1->13 | 1 : 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| 2->1 | 2 : 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 |
| 3-> | 3 : 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| 4->3 | 4 : 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 |
| 5->4 | 5 : 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| 6->5 | 6 : 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 1 0 0 |
| 7->6 | 7 : 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 |
| 8->7 9 | 8 : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 |
| 9->20 | 9 : 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 |
| 10->9 | 10 : 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 |
| 11->10 2 12 14 | 11 : 0 |
| 12->13 | 12 : 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 |
| 13->15 | 13 : 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 |
| 14->15 | 14 : 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 |
| 15->16 | 15 : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 |
| 16-> | 16 : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 |
| 17->4 6 16 | 17 : 0 |
| 18->6 8 | 18 : 0 1 |
| 19->18 | 19 : 0 1 |
| 20->19 | 20 : 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 |
| | |

3.

| Output |
|-------------------|
| /tmp/edIImLQ2t0.o |
| bfs destinations |
| Rumah |

4.

Output

```
/tmp/edIImLQ2t0.o
```

```
0
```

```
1 1 2 3
```

```
2 11
```

```
3 4
```

```
4 5
```

```
5 6
```

```
6 17 18 7
```

```
7 8
```

```
8 18
```

```
9 7 10
```

```
10 11
```

```
11
```

```
12 11 11
```

```
13 1 12
```

```
14 11
```

```
15 13 14
```

```
16 16 17 15
```

```
17
```

```
18 19
```

```
19 20
```

```
===BFS===
```

```
(V0)
```