```python
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def dfs(graph, start, target, visited, path):
    path.append(start)
    if start == target:
        return path
    visited.add(start)
    for neighbor in graph[start]:
        if neighbor not in visited:
            result = dfs(graph, neighbor, target, visited, path)
            if result:
                return result
    path.pop()
    return None

def find_path(graph, start, target):
    visited = set()
    path = []
    return dfs(graph, start, target, visited, path)

graph = {
    'A': ['B', 'C'],
    'B': ['D', 'E'],
    'C': [],
    'D': [],
    'E': ['F'],
    'F': []
}

result = find_path(graph, 'A', 'F')

if result:
    print("Path from A to F:", " -> ".join(result))
else:
    print("No path found.")
```

```
Path from A to F: A -> B -> E -> F

[Program finished]
```