```python
graph = {
    0: [1, 2],
    1: [3, 4],
    2: [5],
    3: [],
    4: [],
    5: []
}

visited = set()

def dfs(node):
    visited.add(node)
    print(node, end=" ")
    for neighbor in graph[node]:
        if neighbor not in visited:
            dfs(neighbor)

print("Depth First Search starting from vertex 0:", end=" ")
dfs(0)
```