

Prüfprogramm

```

int E1 = 1; return true;
for (x = 0; x < n; x++)
  for (y = 0; y < n; y++)
    for (z = 0; z < n; z++)
      if (x < y && y < z)
        return true;
return false;
  
```

- 1 ja, A = 1, wenn E1 = ..., E2 = ..., ...
- 0 nein, A niemals 1

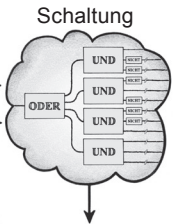
Hamilton-Programm

```

void path_exists(const Graph G, const int start, const int target)
{
  int v = 0;
  int n = G.get_n();
  for (int i = 0; i < n; i++)
    if (i != start && i != target)
      if (G.get_degree(i) == 2)
        path_exists(G, start, i);
  return true;
}
  
```



Transformation



Prüfprogramm

```

int E1 = 1; return true;
for (x = 0; x < n; x++)
  for (y = 0; y < n; y++)
    for (z = 0; z < n; z++)
      if (x < y && y < z)
        return true;
return false;
  
```

- 1 ja, Hamilton-Pfad existiert
- 0 nein, es gibt keinen Hamilton-Pfad