

```
In [25]: # Path

from dataclasses import dataclass

@dataclass
class Path:
    """A class describing a path using:
    * list of point indices;
    * path length;
    * path name (optional).
    """
    idxs: list[int]
    leng: float
    name: str = None

In [26]: # Travelling Salesman Problem

In [27]: # Base

In [28]: # Simulated Annealing

In [29]: # Ant Colony Optimization

In [30]: # ACO

In [31]: # SA

In [32]: # ACO

In [33]: # ACO

In [34]: # ACO

In [35]: # ACO

In [36]: # ACO

In [37]: # ACO

In [38]: # ACO

In [39]: # ACO

In [40]: # ACO

In [41]: # ACO

In [42]: # ACO

In [43]: # ACO

In [44]: # ACO

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In [98]: # ACO
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