```python
def flatten(tup):
    if len(tup) == 0:
        return tuple()
    else:
        if type(tup[0]) is tuple:
            return flatten(tup[0]) + flatten(tup[1:])
        else:
            return (tup[0],) + flatten(tup[1:])


flatten = lambda tup: tuple() if len(tup) else \
    ((flatten(tup[0]) + flatten(tup[1:]))if type(tup[0]) is tuple \
        else (tup[0],) + flatten(tup[1:]))
```

BFS algorithm

Important aspect

- The order of the nodes in fringe **FIFO**
- Should the same state be generated?
  - Same as the EXPANDED states **NO (reached)**
  - Same as the states IN fringe **NO (reached)**
- When to report the goal?
  - When generated? **Yes**
  - When expanded?