

1996 Paper 1 Question 5

Foundations of Computer Science

Define an ML function `rotations` that will compute the list of all rotations of a given list. For example

```
rotations [1,2,3] = [[1,2,3],[2,3,1],[3,1,2]]
```

The order in which the rotations occur is unimportant. [10 marks]

Carefully explain how your function works and estimate the time complexity of your solution. [10 marks]