# X Quantum Evaluation

Give a score to each explanation for a specific quantum algorithm

* Required

## Demographic Information

Expertise in Software Engineering and Quantum Programming

1. Indicate your expertise in Software Engineering in terms of number of years *

- ◯ Zero
- ◯ Under a year
- ◯ 1-2 years
- ◯ 3-4 years
- ◯ 5-10 years
- ◯ 10-15 years
- ◯ Over 15 years

2. Indicate your expertise in Quantum Programming in terms of number of years *

- ◯ Zero
- ◯ Under a year
- ◯ 1-2 years
- ◯ 3-4 years
- ◯ 5-10 years
- ◯ 10-15 years
- ◯ Over 15 years

# Amplitude Estimation

## Algorithm Code

```
OPENQASM 2.0;
include "qelib1.inc";
qreg eval[4];
qreg q[1];
creg meas[5];
u2(0,-pi) eval[0];
u2(0,-pi) eval[1];
u2(0,-pi) eval[2];
u2(0,-pi) eval[3];
u3(0.9272952180016122,0,0) q[0];
cx eval[0],q[0];
u(-0.9272952180016122,0,0) q[0];
cx eval[0],q[0];
u3(0.9272952180016122,0,0) q[0];
cx eval[1],q[0];
u(-1.8545904360032244,0,0) q[0];
cx eval[1],q[0];
u3(1.8545904360032244,0,0) q[0];
cx eval[2],q[0];
u(-3.7091808720064487,0,0) q[0];
cx eval[2],q[0];
u3(2.574004435173138,-pi,-pi) q[0];
cx eval[3],q[0];
u(-7.4183617440128975,0,0) q[0];
cx eval[3],q[0];
h eval[3];
cp(-pi/2) eval[2],eval[3];
cp(-pi/4) eval[1],eval[3];
cp(-pi/8) eval[0],eval[3];
h eval[2];
cp(-pi/2) eval[1],eval[2];
cp(-pi/4) eval[0],eval[2];
h eval[1];
cp(-pi/2) eval[0],eval[1];
h eval[0];
u(7.4183617440128975,0,0) q[0];
barrier eval[0],eval[1],eval[2],eval[3],q[0];
measure eval[0] -> meas[0];
measure eval[1] -> meas[1];
measure eval[2] -> meas[2];
measure eval[3] -> meas[3];
measure q[0] -> meas[4];
```

## Ground Truth Description

AE aims to find an estimation for the amplitude of a certain quantum state.

3. Run 1 - First Prompt - A *

   Link to the explanation: https://drive.google.com/file/d/1EtzTKClWeqWLb9v6547SWTlrtspJQjO_/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

4. Run 1 - First Prompt - B *

   Link to the explanation: https://drive.google.com/file/d/1EtDfdAZUZChUYMPiMkCzNlCV9xMldl5x/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

5. Run 1 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1EpnitqwgnzXwiceAao6jg2x8oQA0iYk1/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

6. Run 1 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/1EpiuI95BVMnHwBzK3VIIMkcQiAV-EB7m/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

7. Run 1 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/1EhuEvZ7oyaVdHTwHVqj66dYcjpJcury4/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

8. Run 1 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1EgwpmYjAxBQtH24Bfuxt_NIsTr_T3k_L/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

9. Run 2 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/1Eg29lETGUTDT7y1flZSEY71YkFSQwigp/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

10. Run 2 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/1EfGhqIyxWwShsvw6de9fUsEfZF_aMCv4/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

11. Run 2 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1EZHGgkGQ9Cy8T6F-Q-7nrrAwlkYJm9BB/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

12. Run 2 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/1EYgJNa3djzIROo7cxoD2LrfzQPuzOwWF/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

13. Run 2 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/1EX7GdFg6aUsntRDHb2zVq1FSC0hu6X88/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

14. Run 2 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1EW4Rp_SFUrLEenSGrFTe3_8HIRCwCYFs/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

15. Run 3 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/13552PgOBz3knbW4C1BvKrP_JoLG9u4nK/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

16. Run 3 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/131LMMpN7SvX4soFlOAf9DdrTvcITxEVc/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

17. Run 3 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1311Hd2rsG8o_ECsMtcgxgUFamzQfXUoO/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

18. Run 3 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/12zafxKWm1v6ODCLHebumJ760uQUGkBWs/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

19. Run 3 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/12y2ZGu-zzLVs0OeUZu_aMqg3h2dpWG7Y/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

20. Run 3 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/12wwyemUgF23lB4RSvM5uuAKNbcmtCfgd/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

# Deutsch-Jozsa

## Algorithm Code

```
OPENQASM 2.0;
include "qelib1.inc";
qreg q[10];
creg c[9];
u2(0,0) q[0];
u2(0,0) q[1];
h q[2];
u2(0,0) q[3];
h q[4];
u2(0,0) q[5];
u2(0,0) q[6];
h q[7];
u2(0,0) q[8];
u2(-pi,-pi) q[9];
cx q[0],q[9];
u2(-pi,-pi) q[0];
cx q[1],q[9];
u2(-pi,-pi) q[1];
cx q[2],q[9];
h q[2];
cx q[3],q[9];
u2(-pi,-pi) q[3];
cx q[4],q[9];
h q[4];
cx q[5],q[9];
u2(-pi,-pi) q[5];
cx q[6],q[9];
u2(-pi,-pi) q[6];
cx q[7],q[9];
h q[7];
cx q[8],q[9];
u2(-pi,-pi) q[8];
barrier q[0],q[1],q[2],q[3],q[4],q[5],q[6],q[7],q[8],q[9];
measure q[0] -> c[0];
measure q[1] -> c[1];
measure q[2] -> c[2];
measure q[3] -> c[3];
measure q[4] -> c[4];
measure q[5] -> c[5];
measure q[6] -> c[6];
measure q[7] -> c[7];
measure q[8] -> c[8];
```

## Ground Truth Description

This algorithms determines, whether an unknown oracle mapping input values either to 0 or 1 is constant (always output 1 or always 0) or balanced (both outputs are equally likely).

21. Run 1 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/15tWa6CEQWbSNRRTNXJcqGbqKVbWjjwZg/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

22. Run 1 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/15si5Ly6_wiJkyaVRAyywRBPctkfnWsyJ/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

23. Run 1 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/15ppngVWtffNWnwtRTmhMyallPl6oC0wz/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

24. Run 1 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/15okA7xPVHcj4sB0ouIXZ5aL3dDRO09OX/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

25. Run 1 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/15k-vijnIFQ2nI5ImWBG1rl196nHH_xiK/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

26. Run 1 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/15fSfD81BgmBhVy3h6CiyOzINUhK37BNT/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

27. Run 2 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/15flk9QhVhlmhnuZ0F3f-OVhlapRyrFbm/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

28. Run 2 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/15bgOVBV9BV3Hxl3e19EW-WFFEpzxbuai/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

29. Run 2 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/15HvXtDlTtWt9vzF32pXDawnCay3ss0Ai/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

30. Run 2 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/15FtvxNdVmOgI5c_Jz_spfxv9gu05Kqa2/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

31. Run 2 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/15EbfHXeMCIVDHk9toulwxY4BZrl20VwZ/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

32. Run 2 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/15DgKpwDyuezq4xAp8sHJMtwfRoczHTkE/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

33. Run 3 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/159Z_ZZIrB5-2hPciEPU1NXxBdgcCaUPh/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

34. Run 3 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/158b6KUzZeLpyJb0Gnu3S_vekx59JTn5h/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

35. Run 3 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/153Tn0aJPszjhwtc6Ra6LlqmL4vvlBzX4/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

36. Run 3 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/16cK9CFFsCVk98p4ctMfEBej055VKinil/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

37. Run 3 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/16aQOXu1iHkXRqePniEiZf9XxVtFOj6rH/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

38. Run 3 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/16ZM_sXY5YD1kL8ZTA0oGjLxpc5azXUyj/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

# Grover

## Algorithm Code

```
1. OPENQASM 2.0;
2. include "qelib1.inc";
3. qreg q[2];
4. qreg flag[1];
5. creg meas[3];
6. h q[0];
7. h q[1];
8. x flag[0];
9. cp(pi/2) q[1],flag[0];
10. cx q[1],q[0];
11. cp(-pi/2) q[0],flag[0];
12. cx q[1],q[0];
13. cp(pi/2) q[0],flag[0];
14. u2(0,0) q[0];
15. u1(-pi) q[1];
16. cx q[0],q[1];
17. u2(-pi,-pi) q[0];
18. u1(-pi) q[1];
19. barrier q[0],q[1],flag[0];
20. measure q[0] -> meas[0];
21. measure q[1] -> meas[1];
22. measure flag[0] -> meas[2];
```

## Ground Truth Description

One of the most famous quantum algorithm known so far, Grover's algorithm finds a certain goal quantum state determined by an oracle. In our case, the oracle is implemented by a multi-controlled Toffoli gate over all input qubits. In this no ancilla version, no ancilla qubits are used during its realization.

39. Run 1 - First Prompt - A *

Link to the explanation: *https://drive.google.com/file/d/16VUxI2A_2w0FvnupqmRrZOj37Gj6I-KS/view?usp=drive_link*

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

40. Run 1 - First Prompt - B *

Link to the explanation: *https://drive.google.com/file/d/16LsybR4mcbbaabUA2eYmuM36DKRvH7Gm/view?usp=drive_link*

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

41. Run 1 - First Prompt - C *

Link to the explanation: *https://drive.google.com/file/d/16LG9wg90DHbTXArLECq0iQJFMamels8D/view?usp=drive_link*

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

42. Run 1 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/16J9bQdbBYOupWYCvkrd0XB2AFBAN8cWr/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

43. Run 1 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/16EHXh9njtdQg2rQysNq3QwkH1sjauVX7/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

44. Run 1 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/16C7nyuxPRkD7Yhe5r3S4JvdtbMgQ1Zwf/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

45. Run 2 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/16BwGT5iEkZkYBilTEjgIapVQDJIJItYK/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

46. Run 2 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/161-vHIL4aO-G7MVkF5AGZSdwgEVr_xVg/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

47. Run 2 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/160qSBpa8H7h7jpC4cOpmMoz_CjB3ElUc/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

48. Run 2 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/14bsBm4fOxJFM9uLTPhv-l2fkFi8WgzeY/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

49. Run 2 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/14b_gYWixRpdFAfwkWE9txpvgAsW3blTo/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

50. Run 2 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/14YpQxxm81cUbfhATDHJQv8clfGG8MieJ/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

51. Run 3 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/14Y7DP-Yzjjy3EMiGw0eOPKcgqsApmNM5/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

52. Run 3 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/14X_RW6tQMLf-cAE7b53QQydGs4PP-Xtl/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

53. Run 3 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/14Voo_VRxGnsHE1f9Up2aN_lbV1x-Uayj/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

54. Run 3 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/14P5mONAotxAfGJng7xzSVqHGzPTUftJg/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

55. Run 3 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/14IPpfNeP0VDq7koWxgDW9k2wZcCqsb1P/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

56. Run 3 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/149KNxfHSC9rCZpINTRZ-v3Rrc4bPBONY/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

# Quantum Fourier Transform

### Algorithm Code

```
OPENQASM 2.0;
include "qelib1.inc";
qreg q[10];
creg c[10];
creg meas[10];
h q[9];
cp(pi/2) q[9],q[8];
h q[8];
cp(pi/4) q[9],q[7];
cp(pi/2) q[8],q[7];
h q[7];
cp(pi/8) q[9],q[6];
cp(pi/4) q[8],q[6];
cp(pi/2) q[7],q[6];
h q[6];
cp(pi/16) q[9],q[5];
cp(pi/8) q[8],q[5];
cp(pi/4) q[7],q[5];
cp(pi/2) q[6],q[5];
h q[5];
cp(pi/32) q[9],q[4];
cp(pi/16) q[8],q[4];
cp(pi/8) q[7],q[4];
cp(pi/4) q[6],q[4];
cp(pi/2) q[5],q[4];
h q[4];
cp(pi/64) q[9],q[3];
cp(pi/32) q[8],q[3];
cp(pi/16) q[7],q[3];
cp(pi/8) q[6],q[3];
cp(pi/4) q[5],q[3];
cp(pi/2) q[4],q[3];
h q[3];
cp(pi/128) q[9],q[2];
cp(pi/64) q[8],q[2];
cp(pi/32) q[7],q[2];
cp(pi/16) q[6],q[2];
cp(pi/8) q[5],q[2];
cp(pi/4) q[4],q[2];
cp(pi/2) q[3],q[2];
h q[2];
cp(pi/256) q[9],q[1];
cp(pi/128) q[8],q[1];
cp(pi/64) q[7],q[1];
cp(pi/32) q[6],q[1];
cp(pi/16) q[5],q[1];
cp(pi/8) q[4],q[1];
cp(pi/4) q[3],q[1];
cp(pi/2) q[2],q[1];
h q[1];
cp(pi/512) q[9],q[0];
cp(pi/256) q[8],q[0];
cp(pi/128) q[7],q[0];
cp(pi/64) q[6],q[0];
cp(pi/32) q[5],q[0];
cp(pi/16) q[4],q[0];
cp(pi/8) q[3],q[0];
cp(pi/4) q[2],q[0];
cp(pi/2) q[1],q[0];
h q[0];
swap q[0],q[9];
swap q[1],q[8];
swap q[2],q[7];
swap q[3],q[6];
swap q[4],q[5];
barrier q[0],q[1],q[2],q[3],q[4],q[5],q[6],q[7],q[8],q[9];
measure q[0] -> meas[0];
measure q[1] -> meas[1];
measure q[2] -> meas[2];
measure q[3] -> meas[3];
measure q[4] -> meas[4];
measure q[5] -> meas[5];
```

72. measure q[5] -> meas[5];
73. measure q[6] -> meas[6];
74. measure q[7] -> meas[7];
75. measure q[8] -> meas[8];
76. measure q[9] -> meas[9];

### Ground Truth Description

QFT embodies the quantum equivalent of the discrete Fourier transform and is a very important building block in many quantum algorithms.

57. Run 1 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/19sEFrT52Bh7JoJzWq5aRBqFVHIijfU9N/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

58. Run 1 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/19ca1FckMQf3oFjDoBMyJ-_cO0aGrHV66/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

59. Run 1 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/19bbETjs41-SZZqsnTC8VtQ2jHQZ36rH8/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

60. Run 1 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/19ZSUTLo0lwnRJb2rb3kDwg2lFfY1bHp9/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

61. Run 1 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/19YiFKTjJQepYvXkL6KX0knXU7yG1u0Y0/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

62. Run 1 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/19WQ1pWAggEcEGqw48Xuxdi7ymhddrqaj/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

63. Run 2 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/19UYZllKpaX5gzO5ysgk5p1L0ll0RTRxN/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

64. Run 2 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/19KwPtrTkRBBLcRn_CMwr--qnB0wNyBBx/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

65. Run 2 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/19KrzUQjWt2mnE1dtmUsbpwoNZBKSDPnD/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

66. Run 2 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/19Izu0DWFcmDi_owLpH5FkAveN6vGiN-H/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

67. Run 2 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/19Gvp1aqjC4yBPFwj31Jp69n49dTiAjq1/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

68. Run 2 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/19G0A4pYRW7hkcT4y_7GlJozLrQhxKBeB/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

69. Run 3 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/19E_E8FdSEoTuYFSHANkxqAO-xVsI9Y1r/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

70. Run 3 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/192y1jCS625T7tj5-jC9itXZ1SXsONtdw/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

71. Run 3 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/192e3V2MFmzQQOnoHkpOceQWywjFXwr9A/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

72. Run 3 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/191kw7TxpfyyGqTBQKIsiyRH68GBGsruM/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

73. Run 3 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/19-meyHdFdzTiyoKhr0wVgCDY6V2urXx0/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

74. Run 3 - Second Prompt - C *

Link to the explanation: *https://drive.google.com/file/d/18yT34YEyA-vUvK98FHK33FySSfcStOFQ/view?usp=drive_link*

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

# Quantum Fourier Transform with entanglement

## Algorithm Code

```
1. OPENQASM 2.0;
2. include "qelib1.inc";
3. qreg q[5];
4. creg meas[5];
5. h q[4];
6. cx q[4],q[3];
7. cx q[3],q[2];
8. cx q[2],q[1];
9. cx q[1],q[0];
10. h q[4];
11. cp(pi/2) q[4],q[3];
12. h q[3];
13. cp(pi/4) q[4],q[2];
14. cp(pi/2) q[3],q[2];
15. h q[2];
16. cp(pi/8) q[4],q[1];
17. cp(pi/4) q[3],q[1];
18. cp(pi/2) q[2],q[1];
19. h q[1];
20. cp(pi/16) q[4],q[0];
21. cp(pi/8) q[3],q[0];
22. cp(pi/4) q[2],q[0];
23. cp(pi/2) q[1],q[0];
24. h q[0];
25. swap q[0],q[4];
26. swap q[1],q[3];
27. barrier q[0],q[1],q[2],q[3],q[4];
28. measure q[0] -> meas[0];
29. measure q[1] -> meas[1];
30. measure q[2] -> meas[2];
31. measure q[3] -> meas[3];
32. measure q[4] -> meas[4];
```

## Ground Truth Description

This algorithms  applies regular QFT to entangled qubits.

75. Run 1 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/181uksLHJnqMldhug2Mc76ewt4JKO7C3j/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

76. Run 1 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/181XkUT_cggs71jdecHgeF5A24ezCxfR6/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

77. Run 1 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/17v69CMdyG8ERfBGC3ignVtMPb4XwCBly/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

78. Run 1 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/17rE-GWyxDXUl8sdMS3PS2PW3xSw-kTyn/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

79. Run 1 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/17nwu48S71TNLjlYlsYgywErqNbGyG-Gn/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

80. Run 1 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/17maLWlypy_it56PX8LULy34W-ZdyJ_a5/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

81. Run 2 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/17iqAiYp_jkMbRNDBXwa95674vbH5FZPq/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

82. Run 2 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/17f78zj7Xxhasee2XofPbqURkp-ocqhDE/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

83. Run 2 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/17avl6uhKbs0GlU13jhd8Xbbt6TZYCiOa/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

84. Run 2 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/17_agQJmDZL21ijVvtwSScsiy3ERfury/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

85. Run 2 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/17VFyg8mCAnvmbbyz-qVf7_2EwQNEe2n1/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

86. Run 2 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/17SwegInLNxquSXbxsGNXFbG1JMOk3YEx/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

87. Run 3 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/17NOOwI_8UeUEoAvQwO5Xr9omTMDuTyw_/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

88. Run 3 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/17CXQOf66V4hZJrYXtUNMXcUAYWj5TY6f/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

89. Run 3 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/172slJRi566Fh6dIFf93lujEysZb-vXVh/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

90. Run 3 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/16zlHpAJ3RQT313cHrrZ9iqTm0YLQ9H5S/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

91. Run 3 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/16xPI2l_8n9zEPcDirid3DpT2L7vl3s5a/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

92. Run 3 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/16v1d8A7qI9WaA1bvJpwo5ac26UPoz2VM/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

# Quantum Phase Estimation

### Algorithm Code

```
1. OPENQASM 2.0;
2. include "qelib1.inc";
3. qreg q[4];
4. qreg psi[1];
5. creg c[4];
6. h q[0];
7. h q[1];
8. h q[2];
9. h q[3];
10. x psi[0];
11. cp(-7*pi/8) psi[0],q[0];
12. cp(pi/4) psi[0],q[1];
13. cp(pi/2) psi[0],q[2];
14. swap q[1],q[2];
15. cp(pi) psi[0],q[3];
16. swap q[0],q[3];
17. h q[0];
18. cp(-pi/2) q[1],q[0];
19. h q[1];
20. cp(-pi/4) q[2],q[0];
21. cp(-pi/2) q[2],q[1];
22. h q[2];
23. cp(-pi/8) q[3],q[0];
24. cp(-pi/4) q[3],q[1];
25. cp(-pi/2) q[3],q[2];
26. h q[3];
27. barrier q[0],q[1],q[2],q[3],psi[0];
28. measure q[0] -> c[0];
29. measure q[1] -> c[1];
30. measure q[2] -> c[2];
31. measure q[3] -> c[3];
```

### Ground Truth Description

QPE estimates the phase of a quantum operation and is a very important building block in many quantum algorithms. In the exact case, the applied phase is exactly representable by the number of qubits.

93. Run 1 - First Prompt - A *

Link to the explanation: *https://drive.google.com/file/d/1BoS3eU0YLHVDTlK6WDAYmai776def9Sz/view?usp=drive_link*

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

94. Run 1 - First Prompt - B *

Link to the explanation: *https://drive.google.com/file/d/1BdjoqPV984Ed_lO5Q7uEVJFJykdqG8U9/view?usp=drive_link*

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

95. Run 1 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1BddjZC6sroB8Jyw-hPQ6Wj0EGEFTXCS5/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

96. Run 1 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/1BUaGlrkmN8x1jqxnEKv9nv49VA5pdga6/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

97. Run 1 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/1BRzxU-SNQkuwxkc9FmdmGQHJobhXUjZn/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

98. Run 1 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1BP_NJqiT0OTWTlmcE41GM5cJrs2bbac8/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

99. Run 2 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/1BH_oJ_aG43X9DHggMN87lxBdgYJ1I7vn/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

100. Run 2 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/1BHJTNjDOp2-9_taJP1JNiYa2FUlP9yF6/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

101. Run 2 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1BDhTQgLg2wIkAwzWFCP5QuuQJfPjC-5Q/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

102. Run 2 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/1B8Cl-ShbTvbzw_zkssEYiDV0-KxuZCCN/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

103. Run 2 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/1B5Y8zpnYJJ0bZjLAMfS8Q-7ePKEfhHqO/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

104. Run 2 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1B5So25nhAb8BB7xSRVyH281qCR7G11yo/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

105. Run 3 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/1AxXRc-yUD3PLzpbi63ZTADJbfw5V5PDa/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

106. Run 3 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/1AryOaltPetB8enpSLKcZRKNCMZfJTZhg/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

107. Run 3 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1AmntVkuYjsIWKmbPjGaFz3sPcQUSEvLo/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

108. Run 3 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/1AhrFdzEbXjriyif2KmbuRjLsVNQ6Tzzc/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

109. Run 3 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/1AhQ9UO-IVhf4mqlxjD2S_TpBI57KahTw/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

110. Run 3 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1AfJ6BCWD9Gmv-qNX3DCD4IgafeAkOXv_/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

# Quantum walk

## Algorithm Code

```
OPENQASM 2.0;
include "qelib1.inc";
qreg node[2];
qreg coin[1];
creg meas[3];
h coin[0];
ccx coin[0],node[1],node[0];
cx coin[0],node[1];
x node[1];
x coin[0];
ccx coin[0],node[1],node[0];
cx coin[0],node[1];
x node[1];
u2(-pi,-pi) coin[0];
ccx coin[0],node[1],node[0];
cx coin[0],node[1];
x node[1];
x coin[0];
ccx coin[0],node[1],node[0];
cx coin[0],node[1];
x node[1];
u2(-pi,-pi) coin[0];
ccx coin[0],node[1],node[0];
cx coin[0],node[1];
x node[1];
x coin[0];
ccx coin[0],node[1],node[0];
cx coin[0],node[1];
x node[1];
x coin[0];
barrier node[0],node[1],coin[0];
measure node[0] -> meas[0];
measure node[1] -> meas[1];
measure coin[0] -> meas[2];
```

## Ground Truth Description

Quantum walks are the quantum equivalent to classical random walks. In this no ancilla version, no ancilla qubits are used during its realization.

111. Run 1 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/1Kz-li10SSV7MJfeQ3tsIFCTY2zoLDtcb/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

112. Run 1 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/1Kr-gMpKdzB7-RaqIvd-vL1u0nWCeS36b/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

113. Run 1 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1Kn2KrB6RWf-31XEZ8Tsn1ic7KGKub8UE/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

114. Run 1 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/1KjlHWFMuMMdP1iRJ56qO7pBv0rJUgHfq/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

115. Run 1 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/1KixiTCoGqntbNlW-63lntnwYGLRiJXqq/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

116. Run 1 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1KhoDMpz_WWsj-3TC5LgODYuixZ-P8fAZ/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

117. Run 2 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/1KfqI3L8B8cZ4GPsyLbbsiL5Z0cKkgi8B/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

118. Run 2 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/1KaBxBY_KEXAqOs9misxHdNp7NtMgJJgD/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

119. Run 2 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1K_vlQz7sHh66-HsGBfAIKaMq6sh1oiYb/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

120. Run 2 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/1K_LdloY__oCklvOmBtl3EKhZeJWOUZ0n/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

121. Run 2 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/1KXvJbK8JVJcWlaI2wMFNXlEHxdiW4cCl/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

122. Run 2 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1KVsy5kpRdQm8dUQM4WHfs9QWuEmDHtg7/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

123. Run 3 - First Prompt - A *

Link to the explanation: https://drive.google.com/file/d/1KVWGLuthMCs8X4jps5AZfPThFZ-viZp3/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

124. Run 3 - First Prompt - B *

Link to the explanation: https://drive.google.com/file/d/1KFa5d6suKXh-0VXr1GgGRvDrMGXTwPKb/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

125. Run 3 - First Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1KCvtG2YPCt8KbEYJvy78nx9tyjgjhW1Y/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

126. Run 3 - Second Prompt - A *

Link to the explanation: https://drive.google.com/file/d/1KA-RAZmbXqGhC1S5XpKlrgTuEAuTyLN8/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

127. Run 3 - Second Prompt - B *

Link to the explanation: https://drive.google.com/file/d/1K7oWs7XahJ_MUEfd-GNCc1bSfBB9mVXi/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation

128. Run 3 - Second Prompt - C *

Link to the explanation: https://drive.google.com/file/d/1K7oRrX_GS1iXRjpmuze-jZ9KLL-9djuY/view?usp=drive_link

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Wrong Explanation Perfect Explanation