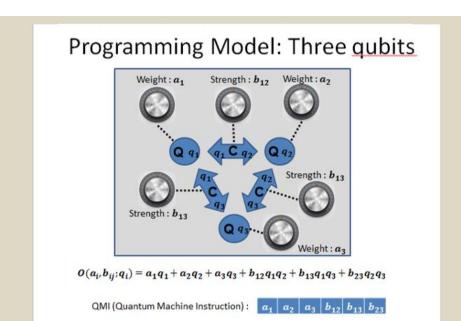
2.

## 3-qubits



| $q_1$ | <b>q</b> 2 | <b>q</b> 3 | Objective |  |
|-------|------------|------------|-----------|--|
| 0     | 0          | 0          | 0         |  |
| 0     | 0          | 1          | -1        |  |
| 0     | 1          | 0          | -1        |  |
| 0     | 1          | 1          | 0         |  |
| 1     | 0          | 0          | -1        |  |
| 1     | 0          | 1          | 0         |  |
| 1     | 1          | 0          | -1        |  |
| 1     | 1          | 1          | 2         |  |

| $a_I$ | a 2 | a <sub>3</sub> | <b>b</b> 12 | <b>b</b> 13 | b 23 |
|-------|-----|----------------|-------------|-------------|------|
| -1    | -1  | -1             | 1           | 2           | 2    |

## 4-qubits

