

**Amplitude vector**

$$\begin{bmatrix} 1, \\ 1, \\ 1, \\ -1, \\ \omega, \\ -\omega, \\ i, \\ i, \\ 1, \\ -1, \\ 1, \\ 1, \\ 1, \\ -\omega, \\ -\omega, \\ -i, \\ i \end{bmatrix}$$

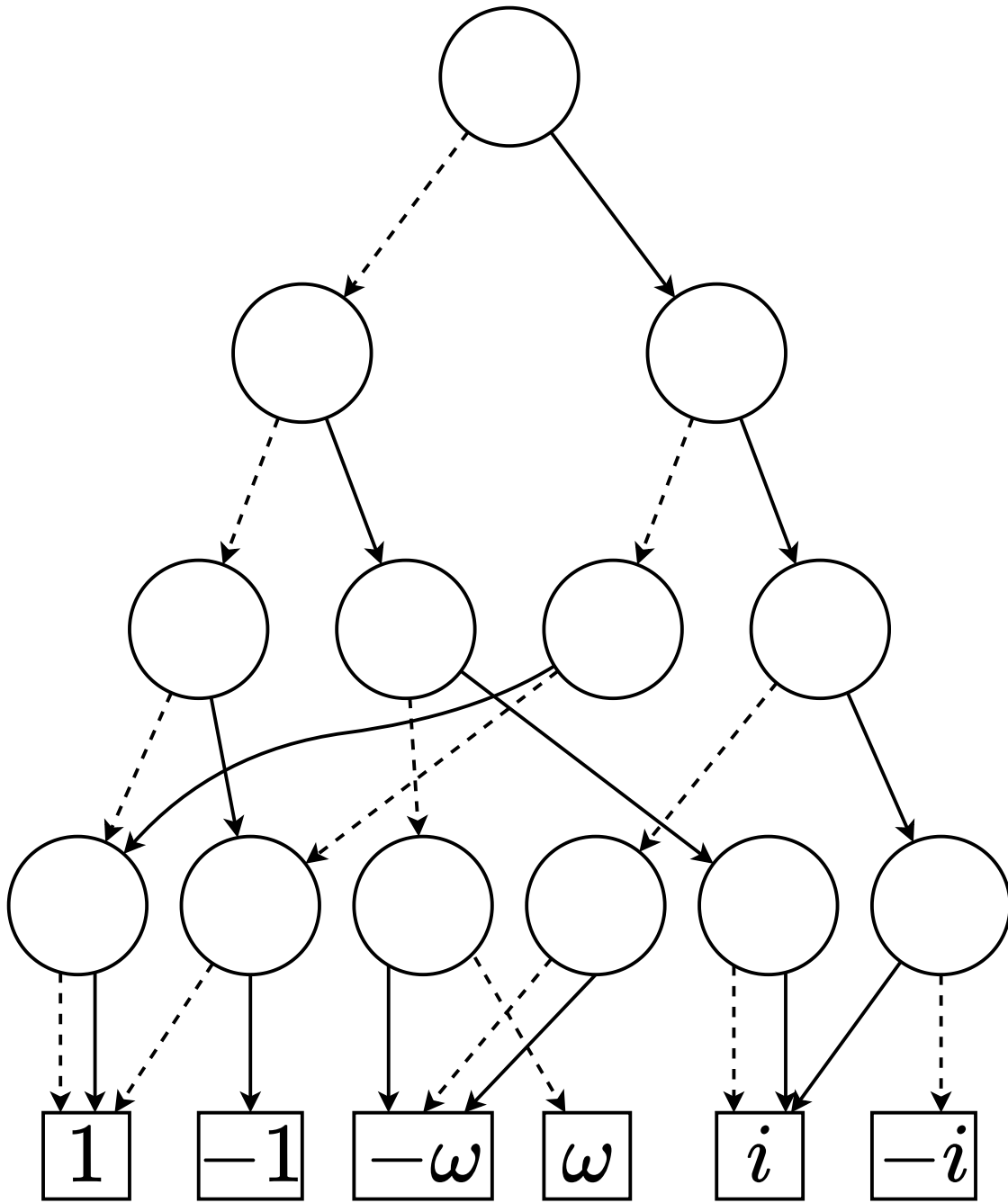
**Algebraic Decision Diagram**

Level 4

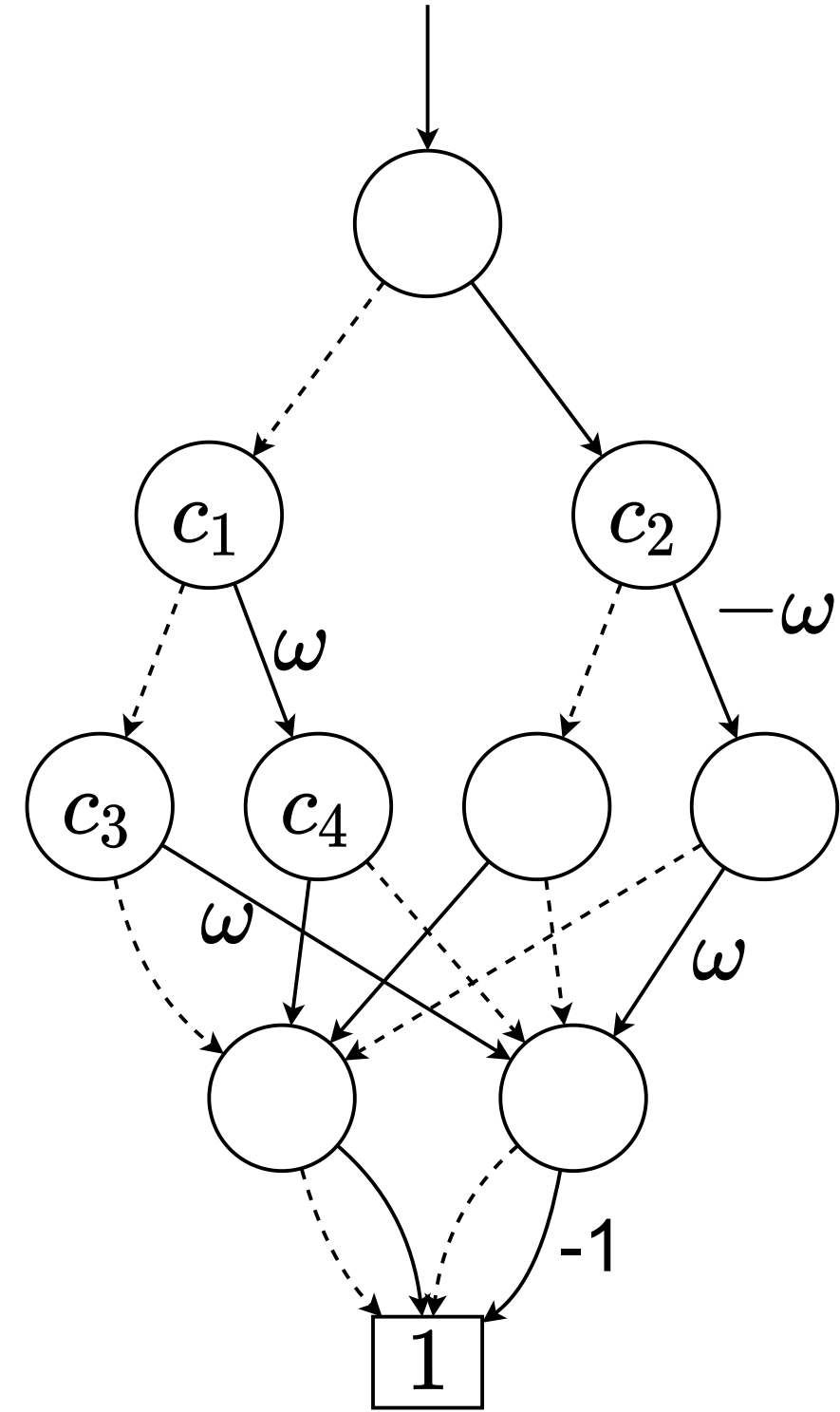
Level 3

Level 2

Level 1



**Quantum Multi-valued Decision Diagram**



**LIMDD**

