

**„14 ДУЕЏ -»ДН, 2019**

[illegible]

**Dĩ 1**    ¥ { Q H c T } ¼ é Ü P Q p ¼ m ² Q „ „ „ < Î | Q Ñ ² Q w ² Q c Q H T } ¼ J                      08

- [illegible]

Di 2      ¥ { 0Hc71/420 ÜS2c™TÜS2 ©d1 cYit { aH71/4el      05

- $$\begin{aligned} (1) \quad & \text{„} \hat{c} \hat{U} \hat{t} \hat{c} \hat{e} \hat{m} \hat{U} \hat{c} \text{ } S \hat{D} \hat{C} \hat{H} \hat{x} \hat{Y} \text{„} \{ \hat{Y} \} \hat{a} \text{ } J \\ (2) \quad & \hat{I} \hat{a} \hat{c} \} \hat{C} \hat{H} \hat{x} \hat{Y} \text{„} \{ \hat{Y} \} \hat{a} \text{ } J \end{aligned}$$

Di 3      ¥ {CHC}¼ dUP {p¼m²C cAD {CCH}¼e}      04

- (1)  $\hat{T}c_Y c_X \alpha d_H c\{HxY,, c\{Y\hat{D}UW: J$
- (2)  $,, \hat{E}S^2 \hat{U}Hc\hat{+}\hat{U}H\alpha d_H c \hat{E}U,, c\{Y\hat{S}^2 \hat{D}UW: J$
- (3)  $^{TM}U,, c\hat{U}\hat{+}^2c: \hat{D}cU^{TM}2: J$

Di 4      ¥ {CHC7¼ dUT q% D@DaYCY)C%HIcdJaH7¼e}      05

- (1)  $|\alpha\rangle \in \mathbb{C}^2$  and  $\langle \alpha | \alpha \rangle = 1$ . Then  $\langle \alpha | \alpha \rangle = 1$  and  $\langle \alpha | \alpha \rangle = 1$ .
- (2)  $\langle \alpha | \alpha \rangle = 1$  and  $\langle \alpha | \alpha \rangle = 1$ . Then  $\langle \alpha | \alpha \rangle = 1$  and  $\langle \alpha | \alpha \rangle = 1$ .
- (3)  $\langle \alpha | \alpha \rangle = 1$  and  $\langle \alpha | \alpha \rangle = 1$ . Then  $\langle \alpha | \alpha \rangle = 1$  and  $\langle \alpha | \alpha \rangle = 1$ .
- (4)  $\langle \alpha | \alpha \rangle = 1$  and  $\langle \alpha | \alpha \rangle = 1$ . Then  $\langle \alpha | \alpha \rangle = 1$  and  $\langle \alpha | \alpha \rangle = 1$ .
- (5)  $\langle \alpha | \alpha \rangle = 1$  and  $\langle \alpha | \alpha \rangle = 1$ . Then  $\langle \alpha | \alpha \rangle = 1$  and  $\langle \alpha | \alpha \rangle = 1$ .
- (6)  $\langle \alpha | \alpha \rangle = 1$  and  $\langle \alpha | \alpha \rangle = 1$ . Then  $\langle \alpha | \alpha \rangle = 1$  and  $\langle \alpha | \alpha \rangle = 1$ .

**2eYÅ-2**

D-5      ¥ { Q H c T 1 ¼ c Ü P Q p ¼ m 2 Q „ „ „ c Î | Q Ä 2 Q n 2 Q a U U ¼ J      8

- (1)  $\{c \in \mathbb{Z}^n : \sum_{i=1}^n c_i = 0, c_i \in \mathbb{Z}\}$   
 $\dots\}$
- (2)  $\{c \in \mathbb{Z}^n : \sum_{i=1}^n c_i = 0, c_i \in \mathbb{Z}, c_i \geq 0\}$   
 $\dots\}$
- (3)  $\{c \in \mathbb{Z}^n : \sum_{i=1}^n c_i = 0, c_i \in \mathbb{Z}, c_i \geq 0, c_i \leq 1\}$   
 $\dots\}$

