

á¹Ç. Ò§; ÒÃ´Òà¹Ç ÒÃä»ÊÛÄ»ÃÐ; Ñ»ÐÀÒ¾; ÒÃÈÇÈÒ ÇÍŠãŠãÃÄ ÆÑÃÆÈÇÈÒ

ÍÇÑÃÄ³ ¾§È†ÄÒÁ*

ã¹; ÒÃ¹ÒÃÐºº; ÒÃ»ÃÐ; Ñ»ÐÀÒ¾ÇÍ§; ÒÃÈÇÈÒàÇ ÒÃÈÑŠãÃÄ ¸ÇÃãªÈÆÑ ÒÃ
¾Ñ¹ÒÍÃÒ§»ÍÃ»Š»ÍÃ» ÁÇÒÃÈÀÒÈÄŠ''Šãª ÇÃãÈÃÊ¹ÑÈ¹Ð »ÃÐ»Ñ»ÃÐ»Í§
ãÈÇÈÒ; Æã¹ãŠãÃÄ¹µÃÐÈ¹ÑÍÐÇÒÃ´Òà»§. ÈÄÇÒÃ¾Ñ¹Ò»ÐÀÒ¾; ÒÃÈÇÈÒ
ÍÃÒ§µÍã¹È§ àÃãŠãÃÄ ã¹ÃÇÒÃ¾Ñ¹Òà»ã¹ÈÃÐ´ÑÈ¹Ð´ŠãÈÆ§»ÆÀÒÃ¹Í. Ò
È¹ÇÈÒÃÄÃÇ¾ÈÑÍŠÃÒµÃºº»ÐÀÒ¾ÍÑ¹Òà»ÈÃÐºº; ÒÃ»ÃÐ; Ñ»ÐÀÒ¾; ÒÃ
ÈÇÈÒ´ÑÈ¹; ÒÃ´Òà¹ÇÒ¹´´ÇÇÃ´Òà¹Ç ÒÃ´ÑÈ

ÃÐÃÐ. È ; ÒÃµÃÄ; ÒÃ

ÃÇÒÃÃÆÈÒ»ÑµÒÃÄ´Ñ¹ÑÈ

1.1 ¾Ñ¹ÒºÇÒ; Æ

(1) ÈÃÇÈÇÈ¹Ç¹; ÒÃ. Ò§Ò¹ãÈÈÇÈÒ; ÆÇÍŠãŠãÃÄãÈÈÇÈÒÃÑ
§Ò¹ ÁÇÒÃÈ¹Ç¹Ò¹ã¹; ÒÃ. Ò§Ò¹ãÈÈÇÈÒ §Ò¹ã»ŠÈÇ¹ÈÒ»ÑÇÍ§ªÇÒ ÁÇÒÃ
ªªÁ¾ÃãÈ§»ÇÒÃÈÒÃÇ; ÒÃÈÇÈ¹ÃÇÃãÃÐãÈÇ»Ð»Òà¹§Ò¹. ÈÇÈ

(2) ¾Ñ¹ÒºÇÒ; ÆÇÍŠãŠãÃÄãÈÈÇÈÒÈ¹ã¹; ÒÃ. Ò§Ò¹ ÁÇÒ¹µÇÒ
àªÇÈÇÈÈÄ»• ÁÇÒÈÈÀÒÃ¹¹ ÁÇÒÃµÑ¹ÍÃÒ§ã¹ÇÈãÁÐÍ´. 1. Èã»ÈÈÇÈ
ÈÀÒÃãÈÈÇÈÀÒ§; ÇÈ»ÇÈÀÒ§ÃÒºµãÁÐÃÍ§; ÒÃ³ã; Æ

(3) ¾Ñ¹Ò´ÇÈÇÒÃÄÇÈ; ÒÃãÈÈÇÈÇÈÈÈ¹ÒàÇ ÒÃÑ; ÒÃ½Í¹ÒÃ

* ÍÒ¹ÒÃÃãŠãÃÄ. Òã«ÐÃÑÒÃÆ; ´´ŠÈÇÑP¾Ä

çÇÁÀ' ÇE» ~'' Ñà» §çÇÁÀ; Ç; Ñ-ÀÚÇÁÈÒÀ ÈÀÑÈÌÀ . ÁÑÀÒ; Á
 §º»ÁÐÀÒ³ ÍÒ=ÒÀ È¹¹¹. ÇÁÐÈÀÒ¼áç' ÁÇÁ

çÇÁÀ' ÇE; ÒÀ; ÁÐ°Ç¹; ÒÀ à» §çÇÁÀ; Ç; Ñ Ò§; ÒÀ°ÁÈÒÀáÁÐ; ÒÀ
 ''Ñ; ÒÀ ; ÒÀ''Ñ; ÒÀáÁÐ¹; ÒÀÈÍ¹ ; ÒÀ¾Ñ¹¹Ò=ÁÐÁÐ°ÇÁÒ; Á ; ÒÀÁÈÇ¹ÁÇÁÇÍ§¼ÇE
 »; µÁÍ§ªÇ¹ Í§µ. ÁÀÒ=ÁÑáÁÐÁÍ;ª¹

çÇÁÀ' ÇE¼Á¼ÁÐà» §çÇÁÀ; Ç; Ñ¹ ÑÁÒ

2.2 ; ÒÀ¾Ñ¹¹ÒàçÇÁÐµÁ°¹; ÒÀÈÇÈÒ á' Á' Òà¹ Ç ÒÀ' Ñ Ò

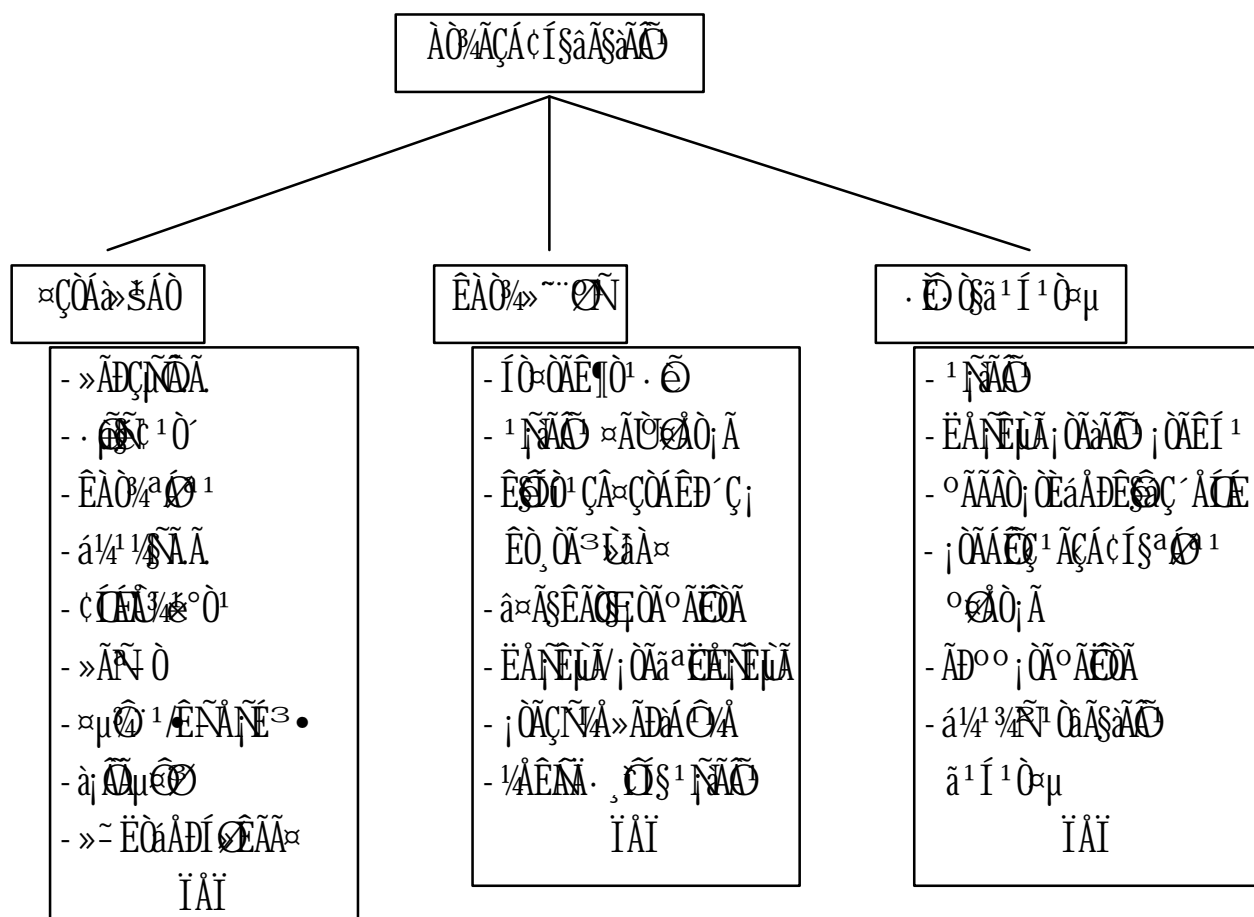
(1) ¾Ñ¹¹ÒáÁŞáÁÒ áÈÇÈÍ§µ. ÁáÈ§; ÒÀáÁÒ ÁÁÐ¾Ñ¹¹Ò ; ÁÐµÇÈ §á''
 áÈÇÈÁŞÒ¹ ÁÇÈáÁÐÁÑ; ÒÀáÁÒ ÁÇÁÈÁÍ à¹ ÇÈÇÁÒ; Áá¹áÁŞáÁÒ ÁÇÇÒÁ=ÇÁÐ
 à¼ÈÁÒÈÈÁ»ÁÑ»ÁŞÇÇÒ§ æ áÈÇÈÒ

(2) ÁÇÁÈÁÇÈÇÈ¹ÇÍ§¼ÇÁŞÒ¹áÈÈÇÇÒ; ÒÀ»ÁÑ»ÁŞÇÁÒ¾''Ð
 µÇÈ»ÁÑ»ÁŞÇÁÍ'áÇÁÒáÁÐà»ŞÈ¹ÇÈÇÈÇ. Ç¹

(3) ''Ñ Ò, ÁÁ¹ÙáÁŞáÁÒ «ÇÁÐÁÐÈÒ=Ñ' Ñ Ò

3.1 ÀÒ¾ÁÇÁÇÍŞáÁŞáÁÒ áÈÇÈÈÍÇÇÁÈÈ'Ş¹§ÁÒ¾ÁÇÁÇÍŞ

áÁŞáÁÒ à; Ç; Ñ-ÇÒÁà»ŞÁÒ ÈÁÒ¾»''ÇÑáÁÐ. È Ò§á¹¹¹Ò=µÇÍŞáÁŞáÁÒ



3.2 à»~~Q~~EÁOÁcÍšAšAÁ~~Q~~ αk; ðÉ¹´É~~Q~~ÁšAÁ~~Q~~ α0´ÉçšÑÐ
 äÉ~~Q~~É~~Q~~ÉÄk´Ð´0a¹~~Q~~ÖÄ¾¼ÉÉ~~Q~~ÄÄ~~Q~~´ÁαÇÄ; ðÉ¹´äÉ~~Q~~É¹°αÁ~~Q~~ÖÉμ0š æ ä²¹
 ´ÖÉÍ0αÖÉ¹0¹. ~~Q~~É¹~~Q~~Ä³·ÖÉ°ÖÄ; Ä´ÖÉ; ÖÄ°ÄÖÄÄÄ; ÖÄ´Ñ; ÖÄ´ÖÉÄÑ
 ÊμÄÄ; ÖÄ´Ñ; ÖÄÄÄ´ ; ÖÄÉÍ¹ áÄÐ´ÖÉ; ÖÄ; ð; ÑμÄÇ´ÉÍ°áÄÄÖÄš0¹

3.3 ´~~Q~~¹~~Q~~É¹; ÖÄ¾¼Ñ¹0αÖÄ0¾. ÖšÉ~~Q~~É0cÍšAšAÁ~~Q~~ αk
 ¹0aÉ¹Í´~~Q~~¹~~Q~~É¹; ÖÄ¾¼Ñ¹0αÖÄ0¾; ÖÄÉ~~Q~~É0cÍšAšAÁ~~Q~~ «~~Q~~¹; ÖÄ´ÑÄÖ´Ñ~~Q~~ÖÄ
 Ê0αÑä´Ä¾¼ÖÄ³0~~Q~~çÖÄÉÍ´αÄ~~Q~~; ÑÉÑÄÄ0¾cÍšAšAÁ~~Q~~ à»~~Q~~EÁOÁcÍšAšAÁ~~Q~~
 áÄÐαçÖÄμ~~Q~~; ÖÄcÍš~~Q~~¹

3.4 á¼¹; ÖÄ´ÑÄÖ´ ; ÖÄÉÍ¹μÖÄÉÄÑÉμÄ äÉ~~Q~~ÄÉ¹Íá¼¹
 ; ÖÄ´Ñ; ~~Q~~ÄÄÄ; ÖÄÄÄ´ ; ÖÄÉÍ¹. ÉÍ´αÄ~~Q~~; Ñ»~~Q~~EÁOÁÄÖÄ¹áçÄÖ. ~~Q~~É¹´

3.5 °. °0. áÄÐÉ¹ÖÉ~~Q~~Éš¼~~Q~~É~~Q~~É~~Q~~; Ñ; ÖÄ´Ñ; ÖÄÉ~~Q~~É0
 ; ðÉ¹´°. °0. áÄÐÉ¹ÖÉ~~Q~~Éš¼~~Q~~É~~Q~~É~~Q~~; Ñ; ÖÄ´Ñ; ÖÄÉ~~Q~~É0 ä´~~Q~~ε α³Ð; ÄÄÄ; ÖÄ
 äšAÁ~~Q~~ ¼~~Q~~ÉÖÄÄÄÄÄ~~Q~~ αÄÜ0´ÖÄÄ·¼~~Q~~ÉαÄÍšAÄ~~Q~~¹

3.6 á¹ç»~~Q~~ÉÖÉÄÄÑ¹ÑÄÖ´ ; ðÉ¹´°. °0. áÄÐÉ¹ÖÉ~~Q~~Éš
 ¹ÑÄÖ´ ä¾¼~~Q~~ÉçšÉ~~Q~~ÉÑÄÖ´ä´~~Q~~É; ÖÄ¾¼Ñ¹0αμ~~Q~~ÉÑÄÄ0¾ áÄÐäÉÄÖÉÄÖ~~Q~~
 αÖÄÑÉ³Ð. ~~Q~~É~~Q~~ÄÉšα.

3.7 á¼¹š°»ÄÄÄ0³ ; ðÉ¹´á¼¹´ÖÉ; ÖÄÄšÖ~~Q~~ÉÄ´cÍš
 äšAÁ~~Q~~ . ~~Q~~ÄÖÄÄÑ¹ÄÖÄ´ÖÄ á´ÄÄ°~~Q~~ÉÄš. ~~Q~~ÉcÍšÄÖÄä´~~Q~~ÄÄÖÄ; ÖÄα0á<ÖÄá¹
 ; ÖÄ´Ñ; ~~Q~~ÄÄÄ á¹áμÄÐ»μÖÄá¼¹; ÖÄ¾¼Ñ¹0äšAÁ~~Q~~

3.8 ; ÖÄ; ð; Ñ μÄÇ´ÉÍ°áÄÄÖÄš0¹ ; ðÉ¹´~~Q~~Éμ¹¹ ç~~Q~~ÖÄ
 äçÄÖ áÄÐ¼Ä; ÖÄ´0a¹~~Q~~š0¹ ä¾¼~~Q~~; ÖÄ´ÄÑ»ÄšÖÄ0¾; ÖÄÉ~~Q~~É0μÖÄá¼¹; ÖÄ¾¼Ñ¹0
 äšAÁ~~Q~~ »ÄÐ; Í°´~~Q~~Ä³Éç¹ αk

- (1) ; ÖÄ; ð; Ñμ~~Q~~ÖÄ μÖÄ»~~Q~~EÁOÁ´~~Q~~¹~~Q~~É
- (2) ; ÖÄμÄÇ´ÉÍ° μÄÇ´ÉÍ°αÖÄ¾¼ÄÖÄá¹ÉÄk; ÖÄ»ÄÐÄÄ~~Q~~¹
 áÍšcÍšAšAÁ~~Q~~ áÄÐμÄÇ´ÉÍ°αÖÄ¾¼¹Í; ÉÄk; ÖÄ»ÄÐÄÄ´Ä°ÖÄ; ÄÄÖÄ¹Í;
 äšAÁ~~Q~~
- (3) ; ÖÄÄÖÄš0¹ á´~~Q~~EÄÖÄÄç» - ÉÖÍ~~Q~~ÉÄÄαÄÐçÖšA¼¹¾¼Ñ¹0

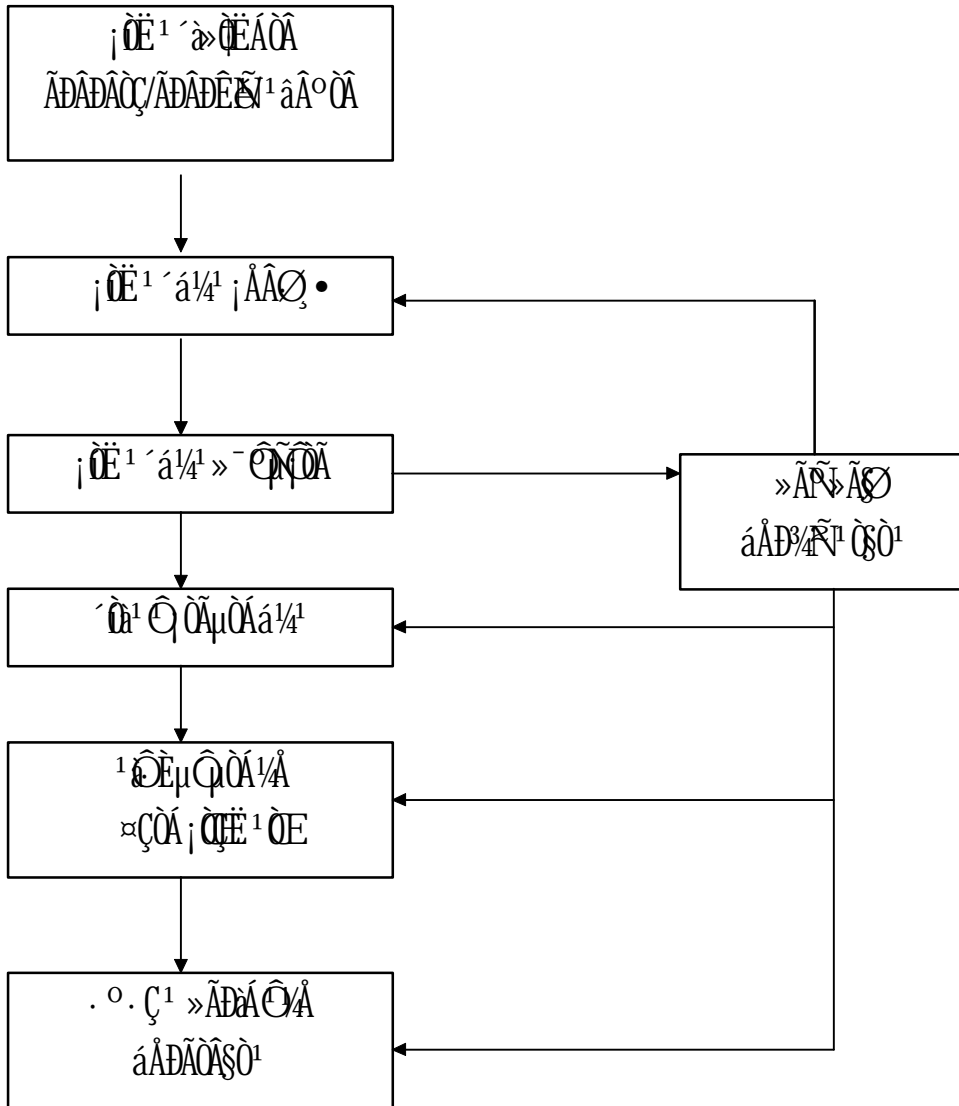
4. ¾Ñ¹ ÒÈÁÑÈµ· ÇÏΘáÁÐÈÉ; ÒÀáÁÖ ; ÒÁÈÍ¹

5. ¹Òà¹ Ç ÒÁ°ÁÈÖá=ΘÁÒ¾ à´ÁÁÇ¹ ÇÁ¼ÁÐ(¹ÑÁÖ) · Æ¹°È¹Í§
=ÇÒÁµÇ; ÒÁçÍ§Áµ=ÖÈ´Á

- 5. 1 ÁÇÐ°Ç¹; ÒÁ°ÁÈÖÁ ÁÐ°°=ΘÁÒ¾ à»§ 7 çÏµÍ¹ ¹ÑÈ
- çÏ Æ ; ÒÁ; ÒÈ¹´à»ÇÈÁÒÁáÁÐ¹áÁ°ÒÁáÁÖ
- çÏ Æ ; ÒÁ´ÑÍ§µ·Á°ÁÈÖá=Θ=ΘÁÒ¾
- çÏ Æ ; ÒÁ´Ñ Òá¼¹áÁÐá=Á§; ÒÁ¾Ñ¹ Ò
- çÏ Æ ; ÒÁ´Òà¹ Ç ÒÁµÒÁá¼¹
- çÏ Æ ; ÒÁ¹ÖÈµÇµÒÁ¼Á
- çÏ Æ ; ÒÁ»ÁÐáÁÇ¼ÁáÁÐÁÒÁ§¹
- çÏ Æ ; ÒÁ»ÁÑáÁÇ¼ÁÑ¹Ò§¹

à¹É§´Ò; ÒÁ´Ñ; ÒÁÈÇÈçÍ§áÁÖÁÇ¹´¹´´ÇÁ áÁÐ=ÇÒÁÈÒáÇ
 áµ; µØ§; ¼ÁÒÐáµÁÐáÁÖÁÇ¹´¹´´ÇÁ È¹´=ÇÒÁááÉ à»ÇÈÁÒÁ ÇÇÒÁ´Òà¹ Ç ÒÁ áÁÐ
 ÈÑÁÒ¾· Çµ; µØ§; ¼ÁÒÁáµÇÒÁáµ; µØ§; ¼ÁÑÁÒÇ ÈÁÑáÁÐ; ¼ÁÇÒÁÈÒáÇçÍ§
 áµÁÐáÁÖ· Æ¾Ñ¹ ÒáÁÖáÁÖ ä»ÈÁÐµÁ°¹=ΘÁÒ¾ ÍÁÈÖÁ; Áá¹áÁÖáÁÖ áÁÐ
 ¼ÁÇçÇ; ÇÒÁ á´ÁÇ¹ÁÇÁá¹; ÒÁ; ÒÈ¹´ÁÑÁÇÁÐÁÍÁÁÑÇ¹´¹´´ÇÁ È¹´· ÁÒÁÐÈ¹ÖÈ
 =ÇÒÁááÉ à»ÇÈÁÒÁ ÁÇÁ· Ç¹Ç· Ò§á¹; ÒÁ´Òà¹ ÇÒ¹çÍ§áÁÖÁÇÁ; ¼Á á´ÁÁÇ¹
 µÍ¹ áÁÐÍ§µ»ÁÐ; Í°; ÒÁ°ÁÈÖá=ΘÁÒ¾· ÇÇ¾Ñ; ¼ÁÑÈ

á¼¹ÀÀÛÛ»À; Í°áÀÛÛÍ¹; ÕÀ°ÀÛÛ°°»À¼



5.2 ÀÀÀÀ¼¼»À¼¼ áÀÀ»ÀÀÀÀ¹àÍÛ¹. ÀÀ; ÀÀÀÀÀÀ; ÀÀ°Ç¹
; ÕÀ°ÀÛÛÀÀ áÀÀ; ÀÀ°Ç¹; ÕÀÀÀÀÀ; ÕÀÀÀÀÀ¹ á´ÀÀ¼¼À¼¼¼¼¼ (Quality
Control Circle) PDCA ÀÀÀÀÀÀ

5.3 $\hat{A} \hat{O} \hat{A} \cdot \hat{O} \hat{S} \hat{O} \hat{1} \hat{a} \gg \hat{S} \hat{A} \hat{O} \hat{\mu} \hat{A} \hat{O} \hat{1} \hat{a} \hat{A} \hat{C} \hat{O} \hat{A} \hat{D} \hat{O} \hat{C} \hat{1} ; \hat{O} \hat{A} \hat{\mu} \hat{O} \hat{A} \hat{a} \hat{I} ; \hat{E} \hat{O} \hat{A} \hat{A} \hat{I} \hat{K} \hat{3}$
 $\hat{A} \hat{D} \hat{I} \hat{N} \hat{E} \hat{N} \hat{O} \hat{C} \hat{O} \hat{K}$

- (1) $\hat{A} \hat{I} \hat{K} \hat{1} \hat{a} \hat{A} \hat{O} \hat{A}$
- (2) $\hat{A} \hat{I} \hat{K} \hat{E} \hat{\mu} \hat{I} \hat{1} ; \hat{O} \hat{A} \cdot \hat{O} \hat{S} \hat{O} \hat{1} / \hat{a} \hat{1} \hat{C} \gg \hat{O} \hat{I} \hat{C} \hat{O} \hat{O} \hat{A}$
- (3) $\hat{A} \hat{I} \hat{K} ; \hat{O} \hat{A} \cdot \hat{O} \hat{S} \hat{O} \hat{1} / \hat{a} \hat{1} \hat{1} ; \hat{O} \hat{A} \hat{E} \hat{I} \hat{1}$

5.4 $\hat{\mu} \hat{C} \hat{E} \hat{C} \hat{E} \hat{1} \hat{a} \hat{1} \hat{a} \hat{S} \hat{a} \hat{A} \hat{O} \hat{A} \hat{E} \hat{C} \hat{1} \hat{A} \hat{C} \hat{A}$

5.5 $\hat{A} \hat{O} \hat{A} \cdot \hat{O} \hat{S} \hat{O} \hat{1} \hat{a} \gg \hat{S} \cdot \hat{A} \hat{1} \cdot \hat{O} \hat{A} \hat{D} \hat{O} \hat{O} \hat{a} \hat{1} \hat{C} \hat{E} \hat{C} \hat{E} \hat{1} \hat{A} \hat{O} \hat{1} \hat{O} \hat{\mu} \hat{N} \hat{E} \hat{O} \hat{1} \gg \hat{O} \hat{D} \hat{E} \hat{S}$
 $\frac{1}{4} \hat{A} \hat{a} \hat{E} \hat{O} \hat{I} \hat{N} \gg \hat{A} \hat{S} \hat{a} \hat{A} \hat{D} \hat{E} \hat{A} \hat{O} \hat{C} \hat{C} \hat{N} ; \hat{O} \hat{A} \hat{S} \hat{a} \hat{a} \hat{A} \hat{D} \cdot \hat{E} \hat{N} \hat{1} \hat{\mu} \hat{O} \hat{E} \hat{O}$

- 6. $\frac{3}{4} \hat{N} \hat{1} \hat{O} \hat{A} \hat{D} \hat{O} \hat{O} \hat{E} \hat{O} \hat{A} \hat{E} \hat{1} \hat{a} \cdot \hat{E} \hat{C} \hat{I} \hat{S} \hat{a} \hat{S} \hat{a} \hat{A} \hat{O}$
- 7. $\hat{A} \hat{D} \hat{I} \hat{A} \hat{C} \hat{O} \hat{A} \hat{A} \hat{C} \hat{A} \hat{A} \hat{I} \hat{O} ; \hat{a} \hat{O} \hat{a} \hat{1} \hat{a} \hat{A} \hat{D} \hat{a} \hat{I} ; \hat{a} \hat{1} \hat{a} \frac{3}{4} \hat{E} \hat{S} \hat{a} \hat{E} \hat{A} \hat{O} \hat{1} \hat{O} \hat{A} \hat{I} \hat{N} ; \hat{O} \hat{A} \hat{E} \hat{C} \hat{E} \hat{O} \hat{C} \hat{I} \hat{S}$
 $\hat{a} \hat{S} \hat{a} \hat{A} \hat{O}$

$\hat{A} \hat{D} \hat{A} \hat{D} \cdot \hat{O} \hat{1} ; \hat{O} \hat{A} \hat{\mu} \hat{Q} \hat{u} \hat{O} \hat{A} \hat{a} \hat{A} \hat{D} \hat{\mu} \hat{A} \hat{C} \hat{I} \hat{E} \hat{1} \hat{O} \hat{A} \hat{O} \frac{3}{4} ; \hat{O} \hat{A} \hat{E} \hat{C} \hat{E} \hat{O} \hat{C} \hat{I} \hat{S} \hat{a} \hat{S} \hat{a} \hat{A} \hat{O}$

3.1 $; \hat{O} \hat{A} \hat{\mu} \hat{Q} \hat{u} \hat{O} \hat{A} \hat{a} \hat{A} \hat{D} \hat{\mu} \hat{A} \hat{C} \hat{I} \hat{E} \hat{1} \hat{O} \hat{A} \hat{O} \frac{3}{4} ; \hat{O} \hat{A} \hat{E} \hat{C} \hat{E} \hat{O} \hat{A} \hat{O} \hat{A} \hat{a} \hat{1} \hat{a} \hat{S} \hat{a} \hat{A} \hat{O}$

$\hat{a} \hat{S} \hat{a} \hat{A} \hat{O} \hat{1} \hat{\mu} \hat{C} \hat{E} \hat{I} \hat{O} \hat{1} \hat{O} \hat{A} \hat{\mu} \hat{A} \hat{C} \hat{I} \hat{E} \hat{1} \hat{O} \hat{A} \hat{O} \frac{3}{4} \hat{A} \hat{O} \hat{A} \hat{a} \hat{1} \hat{a} \hat{S} \hat{a} \hat{A} \hat{O} \hat{1} \hat{a} \hat{1} \hat{O} \hat{E} \hat{O} \hat{A} \hat{O} \frac{3}{4}$
 $\hat{a} \hat{S} \hat{a} \hat{A} \hat{O} \hat{1} \hat{a} \hat{A} \hat{D} \hat{O} \hat{A} \hat{O} \frac{3}{4} ; \hat{O} \hat{A} \hat{E} \hat{I} \hat{1} \hat{a} \hat{A} \hat{C} \hat{E} \hat{O} \frac{1}{4} \hat{A} ; \hat{O} \hat{A} \hat{\mu} \hat{A} \hat{C} \hat{I} \hat{E} \hat{1} \hat{O} \hat{A} \hat{O} \hat{1} \hat{O} \hat{A} \hat{1} \hat{N} \hat{1} \hat{O} \hat{a} \hat{A} \hat{D} \gg \hat{A} \hat{I} \hat{N}$
 $\gg \hat{A} \hat{S} \hat{a} \hat{A} \hat{O} \hat{1} \hat{\mu} \hat{O} \hat{A} \hat{A} \hat{O} \hat{\mu} \hat{A} \hat{O} \hat{1} \cdot \hat{O} \hat{E} \hat{1} \hat{a} \hat{I} \hat{A} \hat{1} \hat{O} \hat{A} \hat{1} \hat{N} \hat{1} \hat{O}$

- (1) $\hat{a} \hat{\mu} \hat{S} \hat{\mu} \hat{S} \hat{3} \hat{D} ; \hat{A} \hat{A} \hat{A} ; \hat{O} \hat{A} \gg \hat{A} \hat{D} \hat{a} \hat{A} \hat{O} \hat{A} \hat{a} \hat{1} \hat{a} \hat{S} \hat{a} \hat{A} \hat{O} \hat{1} \gg \hat{A} \hat{D} ; \hat{I} \hat{O} \hat{C} \hat{A} \frac{1}{4} \hat{O} \hat{A} \hat{O} \hat{A}$
 $\hat{a} \hat{S} \hat{a} \hat{A} \hat{O} \hat{1} \hat{A} \hat{U} \hat{O} \hat{O} \hat{A} \hat{A} \frac{1}{4} \hat{E} \hat{1} \hat{a} \hat{O} \hat{1} \frac{1}{4} \hat{E} \hat{1} \hat{a} \hat{I} \hat{S} \hat{a} \hat{A} \hat{D} \hat{1} \hat{N} \hat{A} \hat{O}$
- (2) $\hat{I} \hat{N} \hat{1} \hat{O} \hat{a} \hat{A} \hat{E} \hat{S} \hat{A} \hat{I} \hat{a} \hat{A} \hat{D} \hat{O} \hat{A} \hat{I} \hat{C} \hat{I} \hat{E} \hat{1} \hat{O} \hat{A} \hat{O} \frac{3}{4} ; \hat{O} \hat{A} \hat{E} \hat{C} \hat{E} \hat{O} \hat{A} \hat{O} \hat{A} \hat{a} \hat{1} \hat{a} \hat{S} \hat{a} \hat{A} \hat{O}$
- (3) $\gg \hat{A} \hat{D} \hat{a} \hat{A} \hat{O} \hat{C} \hat{O} \hat{A} ; \hat{O} \hat{E} \hat{1} \hat{O} \hat{E} \hat{1} \hat{a} \hat{E} \hat{S} \hat{O} \hat{A} \hat{O} \frac{3}{4} \hat{a} \hat{S} \hat{a} \hat{A} \hat{O} \hat{1} \hat{a} \hat{A} \hat{D} \hat{O} \hat{A} \hat{O} \frac{3}{4} ; \hat{O} \hat{A} \hat{I} \hat{N} ; \hat{O} \hat{A} \hat{A} \hat{O}$
 $; \hat{O} \hat{A} \hat{E} \hat{I} \hat{1}$

(4) $\hat{I} \hat{N} \hat{1} \hat{O} \hat{A} \hat{O} \hat{A} \hat{S} \hat{O} \hat{1} ; \hat{O} \hat{A} \gg \hat{A} \hat{D} \hat{a} \hat{A} \hat{O} \hat{O} \hat{A} \hat{O} \frac{3}{4} \hat{E} \hat{S} \hat{E} \hat{1} \hat{C} \hat{A} \hat{S} \hat{O} \hat{1} \cdot \hat{O} \hat{I} \hat{C} \hat{C} \hat{C} \hat{S} \hat{a} \hat{A} \hat{D} \frac{1}{4} \hat{O} \hat{A} \hat{O} \hat{C} \hat{1}$
 $\hat{a} ; \hat{O} \hat{I} \hat{C} \hat{C} \hat{E} \hat{a} \hat{1} \frac{1}{4} \hat{E} \hat{1} \hat{a} \hat{I} \hat{S} \hat{a} \hat{O} \hat{1}$

(5) $\hat{1} \hat{O} \frac{1}{4} \hat{A} ; \hat{O} \hat{A} \gg \hat{A} \hat{D} \hat{a} \hat{A} \hat{O} \hat{a} \hat{A} \hat{D} ; \hat{O} \hat{A} \hat{\mu} \hat{A} \hat{C} \hat{I} \hat{E} \hat{1} \hat{O} \hat{A} \hat{O} \hat{1} \hat{O} \hat{A} \hat{1} \hat{N} \hat{1} \hat{O} \hat{a} \hat{A} \hat{D} \gg \hat{A} \hat{I} \hat{N} \gg \hat{A} \hat{S} \hat{a} \hat{A} \hat{O} \hat{1}$
 $\hat{O} \hat{A} \hat{O} \frac{3}{4} \hat{\mu} \hat{O} \hat{A} \hat{A} \hat{O} \hat{\mu} \hat{A} \hat{O} \hat{1} \cdot \hat{O} \hat{A} \hat{I} ; \hat{O} \hat{E} \hat{1} \hat{I}$

