# ç??å?ã•?ã??ç?¥ã•®æ§?é?

## Description

**ã•¯ã?ã?•ã•«**

æ?¥é ?ã•?ã??ã?•ä½?ã??è??ã•?ã•¦ZIKUUã•¨ã•?ã•?å ´ã??é•?å?¶ã•?ã•¦ã•?ã??ã•?ã??ã•¾ã•¨ã?•ã•¦ã•?ã•• ã??

ZIKUUã•¯ã?•ä¼?ç¤¾ã•§ã??ã?•è£½å?•ã•§ã??ã?•ã?µã?¼ã??ã?¹ã•§ã??ã?•çµ?ç¹?ã•§ã??ã•ªã•?ã?? ZIKUUã•¯**æ§?é?** ã•§ã•?ã??ã??

ã•¾ã•?ã•¯ã?ã??ã•?å?ºæ?¬ã??

äºº é??ã•¯ç?°å¢?ã®ä¸ã•§ç??ã••ã??ã?? ç?°å¢?ã•¯å¸¸ã«å¤?å??ã•?ã??ã??

default watermark

ç¤¾ä¼?ã??ã?•æ??è¡?ã??ã?•å?¶åº¦ã??ã?•æ°¸é• ã•§ã•¯ãªã•?ã??

ã••ã•®ä¸ã•§é?·ã••ç??ã••ã??ã•?ã?•ã•«ã•¯ã?•å?ºå®?ã•?ã??ã•?å½¢ã•§ã•¯ãªã••

**å¤?å??ã•«è?•ã•?ã??æ§?é?**

ã•?å¿ è¦•ã•«ãªã??ã??

ZIKUUã•¯ã?•ã••ã•®æ§?é? ã??ä½?ã??è©¦ã•¿ã•§ã•?ã??ã??

**æ??æ??ã•®æ??é??**

å¤?ã••ã•®ã?·ã?¹ã??ã? ã•¯ç?ã?æ??é??ã•§è¨è¨?ã•?ã??ã??ã??

- è£½å?•ã•¯æ?°å¹´
- ä¼?ç¤¾ã•¯æ?°å••å¹´
- æ??è¡?ã•¯æ?°å••å¹´

ã•?ã•?ã•?æ??æ??ã•¯ã??ã£ã•¨é?·ã•?æ??é??ã•§å??ã••ã??

ç?¾å¹´ã??
ã•?ã??ã•?ã•¯ã••ã??ä»¥ä¸?ã??

ã??ã•?æ??æ??ã•®æ§?é? ã??æ?±ã•?ã•ªã??ã?•æ??é??ã•®ã?¹ã?±ã?¼ã?«ã??ã••ã??ã•«å•?ã?•ã• ?ã??å¿ è¦•ã•?ã•?ã??ã??

ZIKUUã•¯ã?•ç?æ??ç??ã•ªæ?•æ??ã??ç?®ç??ã•¨ã•?ã•?ã??ã?ã?¸ã?§ã?¯ã??ã§ã•¯ãªã••ã?•**é?·ã• ?æ??é??è»¸ã•«è?•ã•?ã??æ§?é?** ã??è¨è¨?ã•?ã??è©¦ã•¿ã•¦ã•?ã??ã??

**ä»²ä»?è?**

äºõã•¯ã?ã•°ã•?ã•°ã?•è?ªå??ã•®æ?•æ??ã??æ??æ??ç?©ã??ä¸å¿?ã•«ä¸?ç??ã??è??ã•?ã??ã??

ã•?ã•?ã•?é?·ã•?æ??é??ã•®ä¸ã•§è¦?ã??ã•°ã?•äºõé??ã•¯**æµ•ã??ã•®ä¸ã•®ä¸?é?¨å??**ã•«é•?ã•?ã•ªã•?ã??

ç??ç?©å¦ç??ã•«è¦?ã??ã•°ã?•äºõé??ã•¯éºä¼•å•ã•®ä¹?ã??ç?©ã•®ã??ã•?ã•ªå?å?¨ã•§ã•?ã??ã??

é•ºä¼•å•ã•¯å??ä½?ã??é??ã?ã•¦æ¬¡ã•®ä¸?ä»£ã•¸ã•¨æ¡ã•?ã??ã•¦ã•?ã••ã??

æ??æ??ã??å•?ã•?ã•§ã•?ã??ã??

ç?¥è?ã?•æ??è¡?ã?•æ??å??ã•¯ã?äºõã•?ã??äºõã•¸ã•¨å•?ã•?æ¸¡ã•?ã??ã•ªã•?ã??ç¶?ã•?ã•¦ã•?ã••ã??

äºõé??ã•¯æ??æ??ã®æ??æ??è? ã•§ã•¯ãªã•?ã??

äºõé??ã•¯**æ??æ??ã•®ä»²ä»?è?** ã•§ã•?ã??ã??

ZIKUUã•¯ã?ã•?ã•®ç«?å´ã•?ã??è¨è¨?ã•?ã??ã•¦ã•?ã??ã??

**å£?ã•?ã•¦ä½?ã??**

æ?¥æ?¬ã•®ä¼?å?¢ç¥?å®®ã•§ã•¯ã?äº?å••å¹´ã•?ã•¨ã•«ç¤¾æ®¿ã??å»ºã•¦æ?¿ã•?ã??å¼•å¹´é•·å®®ã•?è¡?ã?•ã??ã??ã??

å»ºç?©ã•¯å£?ã?ã??ã??ã??
ã•?ã•?ã•?ç?¥ã•®æ§?é? ã•¯ç¶?ã••ã??

å»ºç¯?æ??è¡?ã?å??å¼•ã?•ä½?æ³?ã?•æ?•å?³ã•¯æ¬¡ã®ä¸?ä»£ã•¸ã•¨å•?ã•?ç¶?ã•?ã??ã??ã??

é?•è¦•ã•ªã•®ã•¯å»ºç©ã§ã•¯ãªã••**ç?¥ã•®æ§?é?** ã•§ã•?ã??ã??

ZIKUUã??å•?ã•?è??ã•?æ?¹ã•§è¨è¨?ã•?ã??ã•¦ã•?ã??ã??

ã?µã?¼ã?•ã?¼ã•¯å¤?ã?ã??ã??
æ??è¡?ã??å¤?ã?•ã??ã??
äºõã??å ¥ã??æ?¿ã?•ã??ã??

ã•?ã•?ã•?æ§?é? ã•?æ®?ã??é?•ã??ã?•ã?·ã?¹ã??ã? ã•¯ä½?åº¦ã§ã??å??ã••å?ºã•?ã??

**ç?¸ä¼¼å½¢**

ZIKUUã•¯**ç?¸ä¼¼å½¢** ã•®æ§?é? ã??æ?•ã•¤ã??

è?ªç?¶ç??ã•§ã•¯ã?å•?ã•?æ§?é? ã•?ç?°ã•ªã??ã?¹ã?±ã?¼ã?«ã•§ç¹°ã??è¿?ã•?ã??ã??ã??

- æ?¨ã•®æ?•
- ç¥?çµ?
- è¡?ç®¡

default watermark

- æ²³å·•

ã•?ã??ã??ã•¯ã??ã?©ã?¯ã?¿ã?«æ§?é? ã??æ?ã•¤ã??

ZIKUUã•«ã•¯ã?ã••ã•¤ã•?ã•®å½¢æ ?ã•?ã•?ã??ã??

- ZIKUUï¼•ç•¾å?¨ã?•ä¸?é??å??ã•§æ§?ç¯?ã?ã•?ã??ã•¦ã•?ã??ã?·ã?¹ã??ã?
- ZIKUU Miniï¼•ZIKUUã•®å?§ç¸®ã?³ã??ã?¼
- ZIKUU Seed=å•¯æ¬å??ZIKUU Mini

ã•?ã??ã??ã•¯å?¥ã®ã??ã•®ã•§ã•¯ãªã•?ã??

æ§?é? ã•¯å?ã•?ã•§ã•?ã??ã?•å•?ã•«ã?¹ã?±ã?¼ã?«ã??å½¢æ ?ã•?é•?ã•?ã• ã•?ã•§ã•?ã??ã??

ã•?ã•®ç?¸ä¼¼å½¢ã•®è¨è¨?ã•«ã??ã??ã?•

- å°•ã•?ã••å§?ã?•ã??ã•?ã•¨ã•?ã•§ã••ã??
- å¤§ã••ã••æ?¡å¼µã•?ã??ã•?ã•¨ã•?ã•§ã••ã??
- æ?•ã•¡é•?ã•¶ã•?ã•¨ã??ã•§ã••ã??

ã•¨ã•?ã•?æ??è»?æ?§ã•?ç??ã•¾ã??ã??ã??

default watermark

**å´ã?»äºã?»è¨å??ã?»ç?¥**

ZIKUUã•¯å??ã¤ã•®è¦•ç´ ã•?ã??æ§?æ?•ã•?ã??ã??ã??

- å´
- äºº
- è¨å??
- ç?¥ã•®æ§?é?

ã•?ã•®ã•?ã•¡

å´ã?•äºã?•è¨å??ã•¯å¤?å??ã?ã??ã??

ZIKUUã•¯

- å·¥æ?¿ã•«ã•ªã??ã•?ã•¨ã??ã•?ã??
- å·¥å´«ã•ªã??ã•?ã•¨ã??ã•?ã??
- å±±å°•å±?ã•«ã•ªã??ã•?ã•¨ã??ã•?ã??
- å¦æ¡«ã•«ã•ªã??ã•?ã•¨ã??ã•?ã??

å??é??ã•«ã??ã•£ã•¦äºº㧯è¨å??ã??å¤?ã?•ã??ã??

ã•?ã•?ã•?**ç?¥ã•®æ§?é?** ã•¯å ±é??ã•§ã•?ã??ã??

ã•?ã•®æ§?é? ã•?ã?•ã•?ã•¹ã•¦ã•®ZIKUUã??æ?¯ã?ã??ã??

**ç¥?çµ?ç³»**

ZIKUUã•®ã?·ã?¹ã??ã? ã•«ã•¯ç¥?çµ?ç³»ã?ã•?ã??ã??

ã••ã??ã•? **Nerve** ã•§ã•?ã??ã??

æ§?é? ã•¯å?ç´?ã•§ã•?ã??ã??

Event
â??
Queue
â??
Event Handler
â??
Pipeline

ã•?ã•¹ã•¦ã•®å?ºæ•¥äº?ã•¯ã?¤ã??ã?³ã??ã¨ã•?ã•¦æ?±ã?•ã??ã??ã??

ã?¤ã??ã?³ã??ã•?æ??ç¨¿ã•?ã??ã??ã•¨ã?•ã••ã??ã??å?¦ç•?ã•?ã??è¤?æ?°ã•®ã?•ã?³ã??ã?©ã?¼ã•?å??ã••ã??

ã•?ã•®æ§?é? ã•«ã??ã??ã?•

default watermark

- ã?·ã?¹ã??ã? ã•¯ç??çµå•?ã•«ã•ªã??
- å?¦ç•?ã•¯è?ªç?±ã•«è¿½å? ã•§ã••ã??
- æ§?æ?•ã•¯æ??è»?ã•«å¤?æ?´ã•§ã••ã??

Nerveã•¯è»½é?ã•§ã•?ã??ã?•

- ã??ã??PCä¸?å•°ã•§ã??å??ã••
- è¤?æ?°ã•®ã?µã?¼ã?•ã?¼ã•«ã??å??æ?£ã•§ã••ã??

å°•ã•?ã••ã??ã?•å¤§ã••ã••ã??å??ã••ã??

**ã?·ã?³ã??ã?«**

ZIKUUã•®è¨è¨?ã•§ã•¯**ã?·ã?³ã??ã?«ã•?**ã??é?•è¦?ã•?ã??ã??

è¤?é??ã•ªã?·ã?¹ã??ã? ã??ä½?ã??ã•®ã•§ã•¯ãªã••ã?•å•?ç´?ã•ªè¦•ç´ ã??çµ?ã•¿å•?ã?•ã•?ã??ã?? çµ?ã•¿å•?ã?•ã•?ã•§å¤?æ§?æ?§ã??ä½?ã??å?ºã•?ã??

è?ªç?¶ç??ã•®ç??å?½ã??å•?ã•?ã•§ã•?ã??ã??

å•?ç´?ã•ªè¦•ç´ ã•?çµ?ã•¿å•?ã?•ã•?ã??ã?•è¤?é??ã•ªç??å?½ã•?ç??ã•¾ã??ã??ã??

ZIKUUã??ã•¾ã•?ã?•ã?·ã?³ã??ã?«ã•ªæ§?é? ã•®çµ?ã•¿å•?ã?•ã•?ã•§æ?•ã??ç«?ã•¤ã??

**ã??ã??ã•ªã•?ã•?ã•¨**

æ§?é? ã•®ç´?å°¦ã??ä¿•ã•¤ã•?ã?•ã•«ã•¯ã?ã??ã??ã•ªã•?ã•?ã•¨ã??æ±ºã?•ã??å¿ è¦•ã•?ã•?ã??ã??

ä¾?å¤?ã•?å¢?ã•?ã??ã•¨ã?•æ§?é? ã•¯æ¿•ã??ã??

ã••ã•®ã•?ã?•ZIKUUã•§ã•¯ã?•

ä¾?å¤?ã•?å¢?ã•?ã••ã•?ã•ªæ©?è?½ã•¯æ¨ã•¦ã??ã•?ã•¨ã??ã•?ã??ã??

ä½?ã??ä½?ã??ã•?ã??ã??ã??ã?•**ä½?ã??ä½?ã??ã•ªã•?ã•?**ã•?é?•è¦•ã•«ã•ªã??ã??

å¤§å?¢ã•®äººã??é??ã?•ã??ã•?ã•¨ã??ã??ã??ã?•æ§?é? ã•?æªã•¾ã•ªã•?äººã• ã•?ã•§æ´»å??ã•?ã??ã??
ã••ã•®ã•?ã?•ã•«ã?•ã•?ã•¨ã•?äººã•?é??ã•¾ã??ã•ªã••ã•¦ã??æ½°ã??ã•ªã•?è¨è¨?ã??ã•?ã•¦ã•?ã??ã??

**æ?½è±¡ã??å®?ã??**

ZIKUUã•§ã•¯**æ?½è±¡ã??ç¶æ?•ã•?ã•?ã•¾ã•¾å®?è£ ã•?ã??**ã•?ã•¨ã??é?•è¦?ã•?ã??ã??

å¤?ã••ã•®ã?·ã?¹ã??ã? ã•¯ã?•å®?è£ ã•?é?²ã??ã••ã•«ã•¤ã??ã•¦ä¾?å¤?ã•?å¢?ã•?ã?•æ??å?•ã•®æ?½è±¡ã•
?å´©ã??ã•¦ã•?ã•¾ã•?ã??

ZIKUUã•§ã•¯æ?½è±¡ã??éª¨æ ¼ã•¨ã•?ã•¦ç¶æ?•ã•?ã?•å ·è±¡ã•¯å ¥ã??æ?¿ã?•å•¯è?½ãªã??ã•®ã•¨ã•?ã•
¦æ?±ã•?ã??

ã•?ã•®è¨è¨?ã••ã??ã•£ã•¦ã?•

- å??é??ã??è¶ ã•?ã•¦ä½¿ã•?ã??
- æ??è¡?ã•?å¤?ã?•ã•£ã•¦ã??ç??ã••æ®?ã??
- æ§?é? ã•?å£?ã??ã•ªã•?

ã•¨ã•?ã•?å¼·ã•?ã•?ç??ã•¾ã??ã??ã??

**ç?¥è¡?å•?ä¸?**

ç?¥è?ã•¨è¡?å??ã•¯å??é?¢ã•§ã••ã•ªã•?ã??

ç?¥ã??ã•?ã•¨ã•¨è¡?ã•?ã•?ã•¨ã•¯ã?•æ?¬æ•¥ã•²ã•¨ã•¤ã•§ã•?ã??ã??

ZIKUUã•§ã•¯

- ç?¥è?
- æ??è¡?
- å®?è·µ

ã•?å•?ã•?å´ã•®ä¸ã•«å?å?¨ã•?ã??ã??

å·¥æ?¿ã•§ã•®ä½?æ¥ã??ã?•ã?·ã?¹ã??ã? è¨è¨?ã??ã?•ç?¥è?ã•®æ?´ç•?ã??ã?•ã•?ã•¹ã•¦å•?ã•?æµ•ã??ã•
®ä¸ã•«ã•?ã??ã??
ç?¥ã•¯å¿ ã?ä½?ã??é??ã•?ã??ã•?ã•«ã•?ã•¦ã•?ã??ã??

ZIKUUã•¯**ç?¥è¡?å•?ä¸?ã•®å** ´ã•§ã•?ã??ã??

**ç??å?æ?¦ç?¥**

default watermark

ZIKUUã•¯ç?¹å®?ã®ç?¨é??ã•®ã•?ã?•ã•®ã?·ã?¹ã??ã? ã•§ã•¯ãªã•?ã??

ã••ã??ã•¯**ç??å?æ?¦ç?¥**ã•¨ã•?ã•¦è¨è¨?ã•?ã??ã•¦ã•?ã??ã??

ç?°å¢?ã•?å¤?ã?•ã??ã•°ã?•

- å´ã•?å¤?ã?•ã??
- äººã•?å¤?ã?•ã??
- è¨å??ã•?å¤?ã?•ã??

ã•?ã•?ã•?ç?¥ã•®æ§?é? ã•?æ®?ã•£ã•¦ã•?ã??ã•°ã?•æ?°ã•?ã•?å½¢ã•§å?•ã•³å??ã••å?ºã•?ã•?ã•¨ã•¯ã•?ã•§ã•• ã??ã??

ZIKUUã•¯**ç??ã••ç¶?ã•?ã??ã•?ã?•ã•®æ§?é?** ã•§ã•?ã??ã??

# çµ?ã?•ã??ã•«

default watermark

äººã•¯ã?èª?åº??ã•®ã•?ã?•ã• ã•?ã•«è?ªå??ã??æ•§ã•?ã??ã•?ã•¨ã•¯é?£ã?ã•?ã??

å¯?ã??å•èª?ã??å••å£°ã•¯ã?äººç??ã??ä¸¸ã•?ã•¨æ??ã•?ã??ç•?ç?±ã•«ã•¯ãªã??ã•«ã••ã•?ã??

ã•?ã•?ã•?**è?ªå??ã??è¶ ã•?ã•¦ç¶?ã••ã??ã•®ã•§ã•?ã??ã•°ã?•äººã•¯ã•ã•?ã•«äººç??ã??æ•§ã•?ã??ã•?ã•¨ã•?ã•§ã••ã??ã??**

æ??æ??ã•¯ã?äººã•?ã??äººã•¸ã•¨å•?ã•?æ¸¡ã•?ã??ã•¦ã•?ã••ã??

äººã•¯ã•ã••ã•®æµ•ã??ã•®ä¸ã•®**ä»²ä»?è?** ã•§ã•?ã??ã??

ZIKUUã•¯ã?ã••ã••ã•®æµ•ã??ã•®ä¸ã•«ç½®ã•?ã??ã??æ§?é? ã•§ã•?ã??ã??

**Category**

1. ã?¨ã??ã?»ã?¤

**Tags**

1. ä¸?é??å??å¸?
2. å±±æ¢¨ç??

**Date Created**
2026å¹´4æ??3æ?¥
**Author**
kazuo-tsubaki