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一張含有 文字, 螢幕擷取畫面, 字型, 行 的圖片

自動產生的描述一張含有 文字, 螢幕擷取畫面, 字型 的圖片

自動產生的描述

一張含有 文字, 螢幕擷取畫面, 字型 的圖片

自動產生的描述Set some parameters on manually allocated memory.

Since we want to print ABC…YZABC for loop so I use nextChar = (…) % 26 + ‘A’, and when bufferFull = 1, it means we have value now, and we can switch to consumer to print it.

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自動產生的描述

First we initialize it, and check whether buffer is full or not, then print it or switch it.

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自動產生的描述

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自動產生的描述Screenshots for compliation.

Screenshots and explanation:

Before the main thread was created, since by default the SP = 0x07, the 0x08 was numbered by first instruction(bootstrap).

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自動產生的描述

After main thread had been created, the address of 40H was stored for main’s address, and 42H, 43H, 44H, 45H, 46H are ACC, B, DPL, DPH, PSW, respectively. 一張含有 文字, 螢幕擷取畫面, 軟體, 陳列 的圖片

自動產生的描述

And after producer was created, the address of the 50H was stored for producer’s address. and 52H~56H are ACC, B, DPL, DPH, PSW, respectively.

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自動產生的描述

We can know the producer is running, since cur\_ID on address(34H) is 01 which means producer and compare to previous picture we can find the addresses of(38H, 39H, 3AH) are replaced by other number(char’A’).

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自動產生的描述

We can know the consumer is running, since cur\_ID on address(34H) is 00 which means it switches. And the address(39H) is changed from 1 to 0.

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自動產生的描述