ANALYSIS CHALLENGES

Dense code

- **No strings**

- **No symbols**

- **No debug statements/printf-like functions**

- **No external libraries**

Address	Length	Type	String
ROM:00002...	00000006	C	\nl\vJ\vK
ROM:00007...	00000020	C	SigEd25519 no Ed25519 collisions

Line 1 of 2

Function name	Start
sub_100	00000100
sub_1E0	000001E0
sub_228	00000228
sub_32C	0000032C
sub_344	00000344
sub_384	00000384
sub_3C4	000003C4
sub_3E0	000003E0
sub_3F4	000003F4
sub_418	00000418
sub_4D0	000004D0

LET THE HW GUIDE YOU

Datasheet Provides Addresses

IDA Segments

- **Create manually/IDAPython**

- **SVD Loader (Edit>Plugins>SVD File Management)**

  - **SDK_10.0.12.146.1/config/embsys/Dialog_Semiconductor/DA1469x-00.xml**

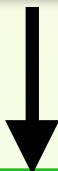| Resource	Start Address	End Address	Size (kB)
WDOG	50000700	50000800	0,25
Reserved			
XTAL32M_C	50010000	50010200	0,5
TIMER	50010200	50010300	0,25
TIMER2	50010300	50010400	0,25
MAC_TIM	50010400	50010500	0,25
Reserved			
UART	50020000	50020100	0,25
UAR2	50020100	50020200	0,25
UART3	50020200	50020300	0,25
SPI	50020300	50020400	0,25
SPI2	50020400	50020500	0,25

```
<?xml version="1.0" encoding="ascii"?>
<!-- File naming: Dialog_DA1469x.svd -->
<!--
  Copyright (C) 2019-2021 Dialog Semiconductor.
  This computer program includes Confidential, Proprietary Information
  of Dialog Semiconductor. All Rights Reserved.
-->
  Generated by cmsis-svd (version 0.2), d.d. August 26, 2021 - 08:12:40
-->
<device xmlns:xs="http://www.w3.org/2001/XMLSchema-instance" schemaVersion="1.3" xs:noNamespaceSchemaLocation="CMSIS-SVD.xsd">
  <vendor>Dialog</vendor>                    <!-- device vendor name -->
  <vendorID>ARM</vendorID>                    <!-- device vendor short name -->
  <name>DA1469x</name>                        <!-- name of part-->
  <series>DA1469x</series>                    <!-- device series the device belongs to -->
  <version>1.2</version>                      <!-- version of this description, adding CMSIS-SVD 1.1 tags -->
  <description>690</description>
  <licenseText><!-- this license text will appear in header file. \n forces line breaks -->
```

Import SVD file

Import and apply register information from an SVD file

- ● Open local file   ○ load from a Github repository

File [69x-00.svd ▾] [...] Repository [https://github.com/cmsis-svd/cmsis-svd-data/tree/main/data ▾]

File name

[Cancel] [OK]

Segments

Name	Start
SYS_WDOG	50000700
CRG_XTAL	50010000
TIMER	50010200
TIMER2	50010300
UART	50020000
UART2	50020100
UART3	50020200
SPI	50020300
SPI2	50020400
I2C	50020600
I2C2	50020700