嵌入式系统导论实验报告

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1.实验题目

DOL开发环境配置

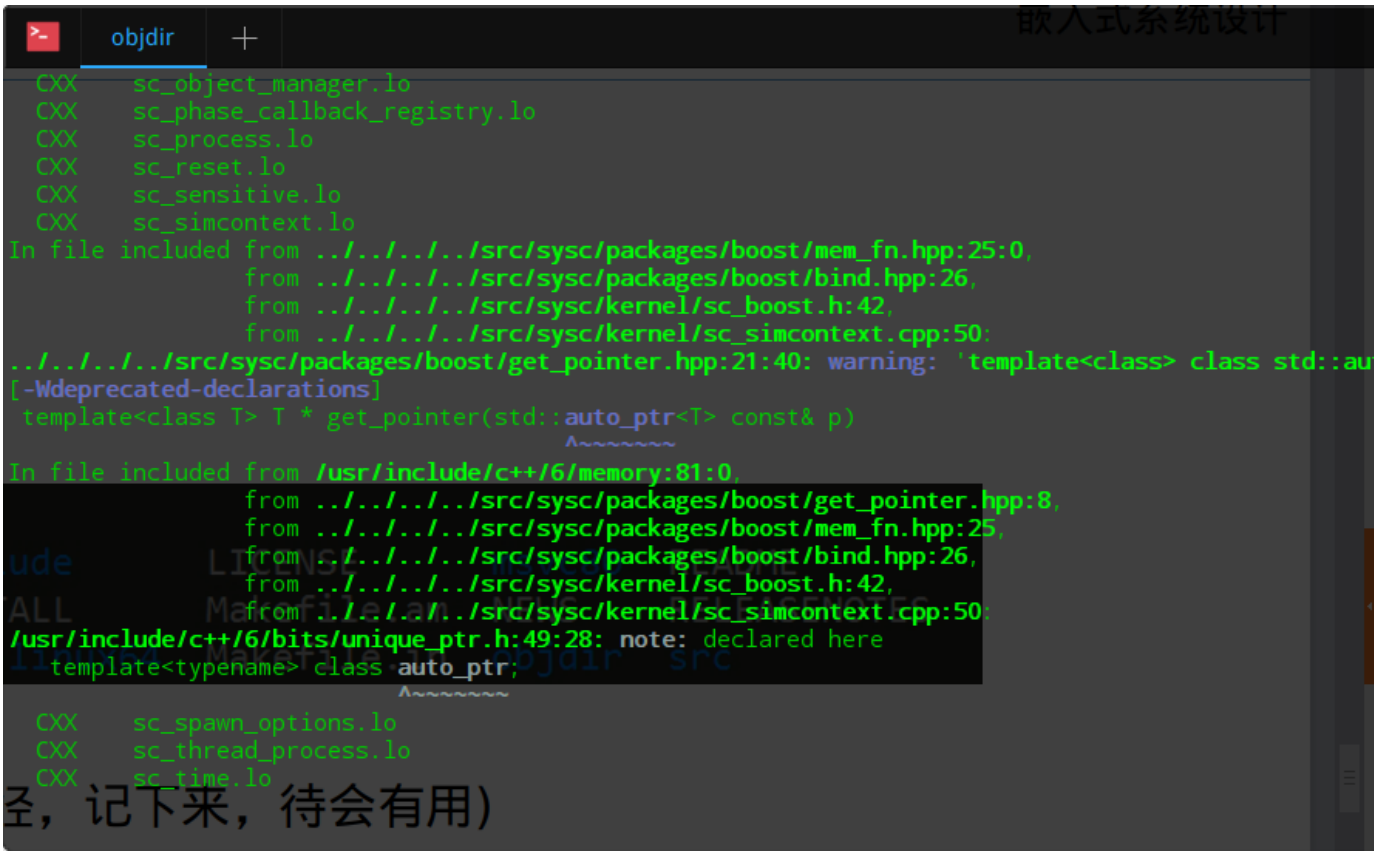
2.实验结果

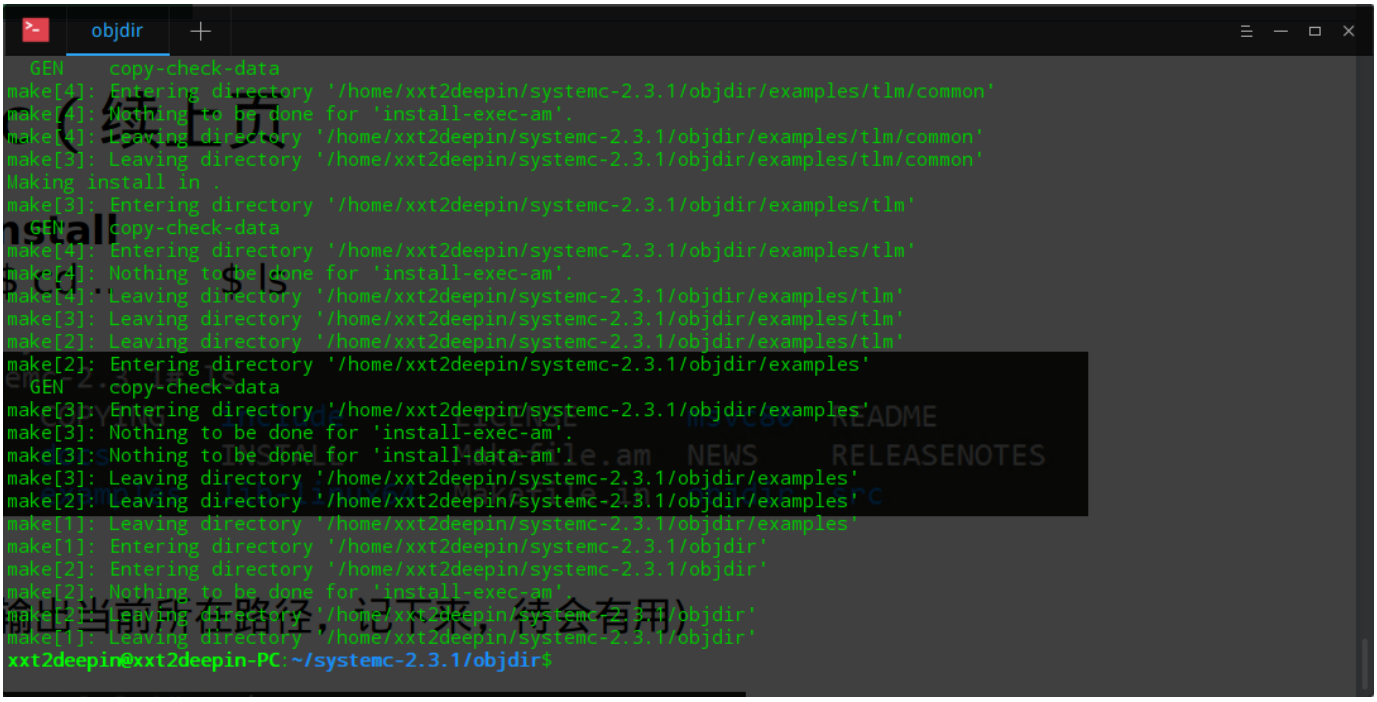
- 下载相关软件环境

- 编译systemc，运行configure

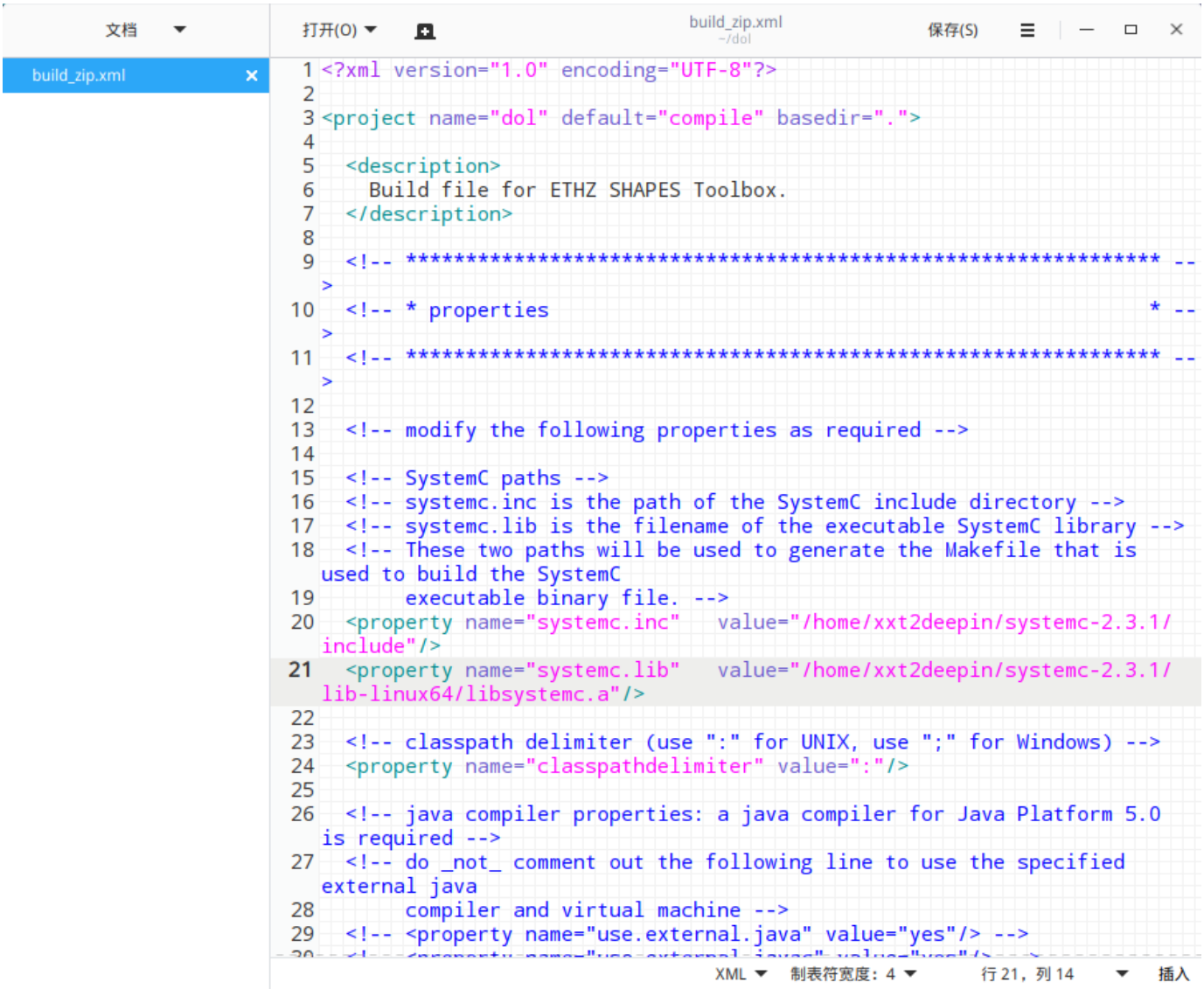
objdir
Directory setup (based on classic layout):
Installation prefix (aka SYSTEMC_HOME):
/home/xxt2deepin/systemc-2.3.1
Header files : <SYSTEMC_HOME>/include
Libraries : <SYSTEMC_HOME>/lib-linux64
Documentation : <SYSTEMC_HOME>/docs
Examples : <SYSTEMC_HOME>/examples
Architecture : linux64
Compiler (flags): g++
Build settings:
Enable compiler optimizations : yes
Include debugging symbols : no
Coroutine package for processes: QuickThreads
Disable async_request_update : yes
Phase callbacks (experimental) : no
Additional settings :
WARNING: The selected SystemC library configuration is non-conforming
to IEEE Std. 1666-2011. See INSTALL.
xxt2deepin@xxt2deepin-PC:~/systemc-2.3.1/objdir$

- 运行install

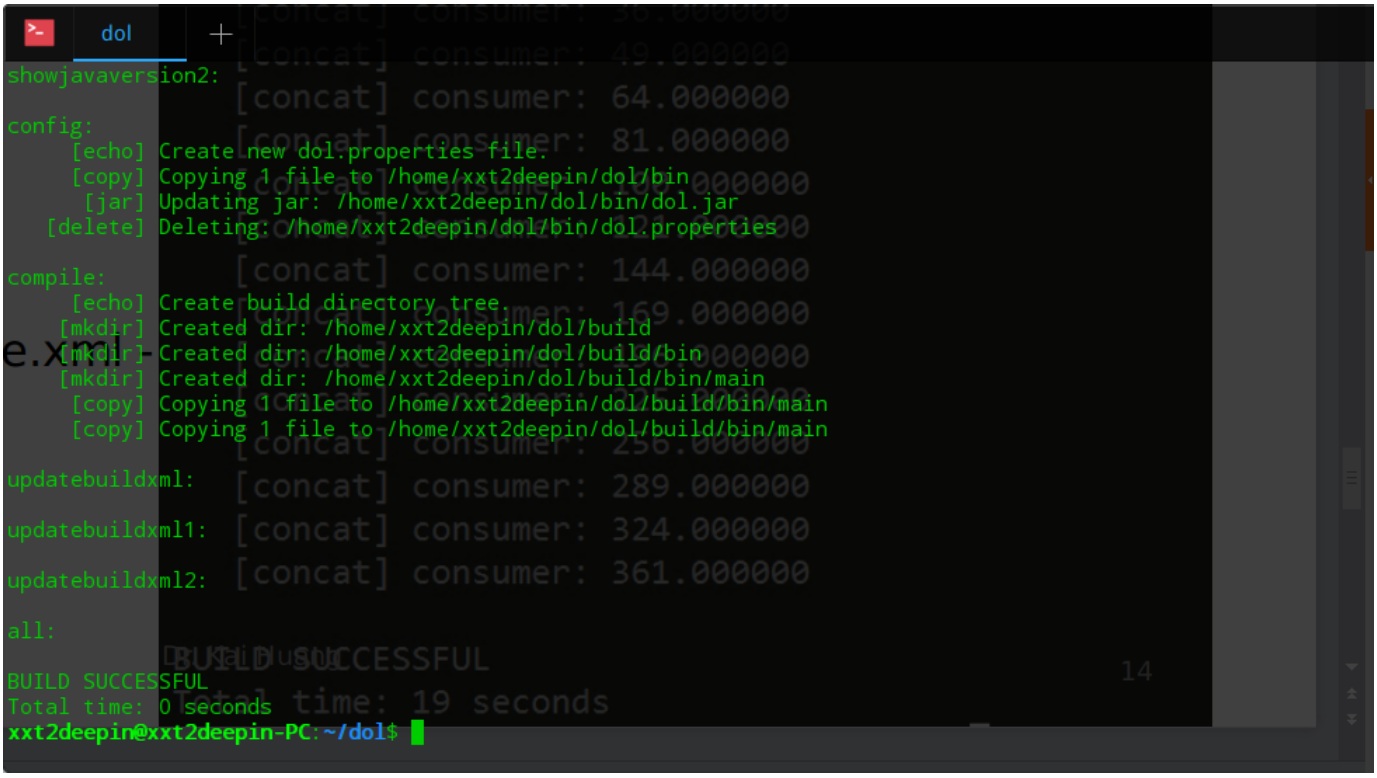

objdir
CXX sc_object_manager.lo
CXX sc_phase_callback_registry.lo
CXX sc_process.lo
CXX sc_reset.lo
CXX sc_sensitive.lo
CXX sc_simcontext.lo
In file included from ../../../../src/sysc/packages/boost/mem_fn.hpp:25:0,
from ../../../../src/sysc/packages/boost/bind.hpp:26,
from ../../../../src/sysc/kernel/sc_boost.h:42,
from ../../../../src/sysc/kernel/sc_simcontext.cpp:50:
../../../../src/sysc/packages/boost/get_pointer.hpp:21:40: warning: 'template<class> class std::au
[-Wdeprecated-declarations]
template<class T> T * get_pointer(std::auto_ptr<T> const& p)
In file included from /usr/include/c++/6/memory:81:0,
from ../../../../src/sysc/packages/boost/get_pointer.hpp:8,
from ../../../../src/sysc/packages/boost/mem_fn.hpp:25,
from ../../../../src/sysc/packages/boost/bind.hpp:26,
from ../../../../src/sysc/kernel/sc_boost.h:42,
from ../../../../src/sysc/kernel/sc_simcontext.cpp:50:
/usr/include/c++/6/bits/unique_ptr.h:49:28: note: declared here
template<typename> class auto_ptr;
CXX sc_spawn_options.lo
CXX sc_thread_process.lo
CXX sc_time.lo



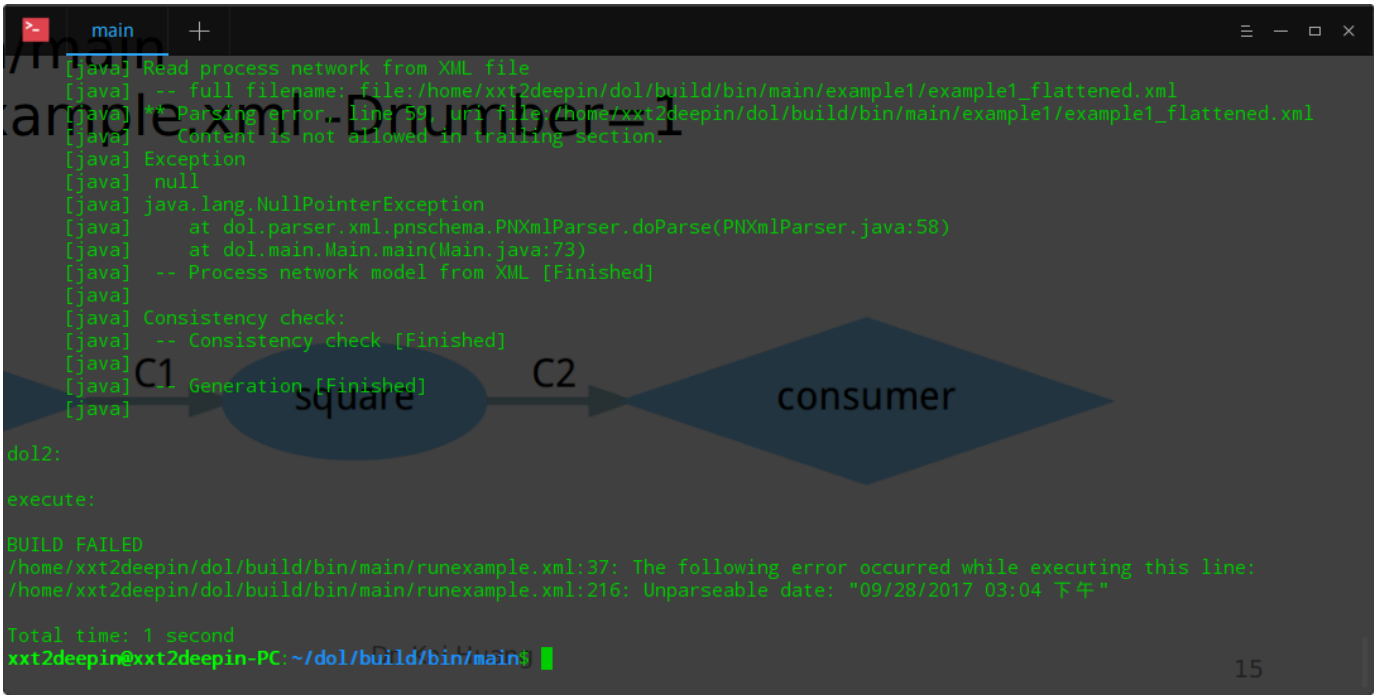
- 修改dol文件中的build_zip.xml文件



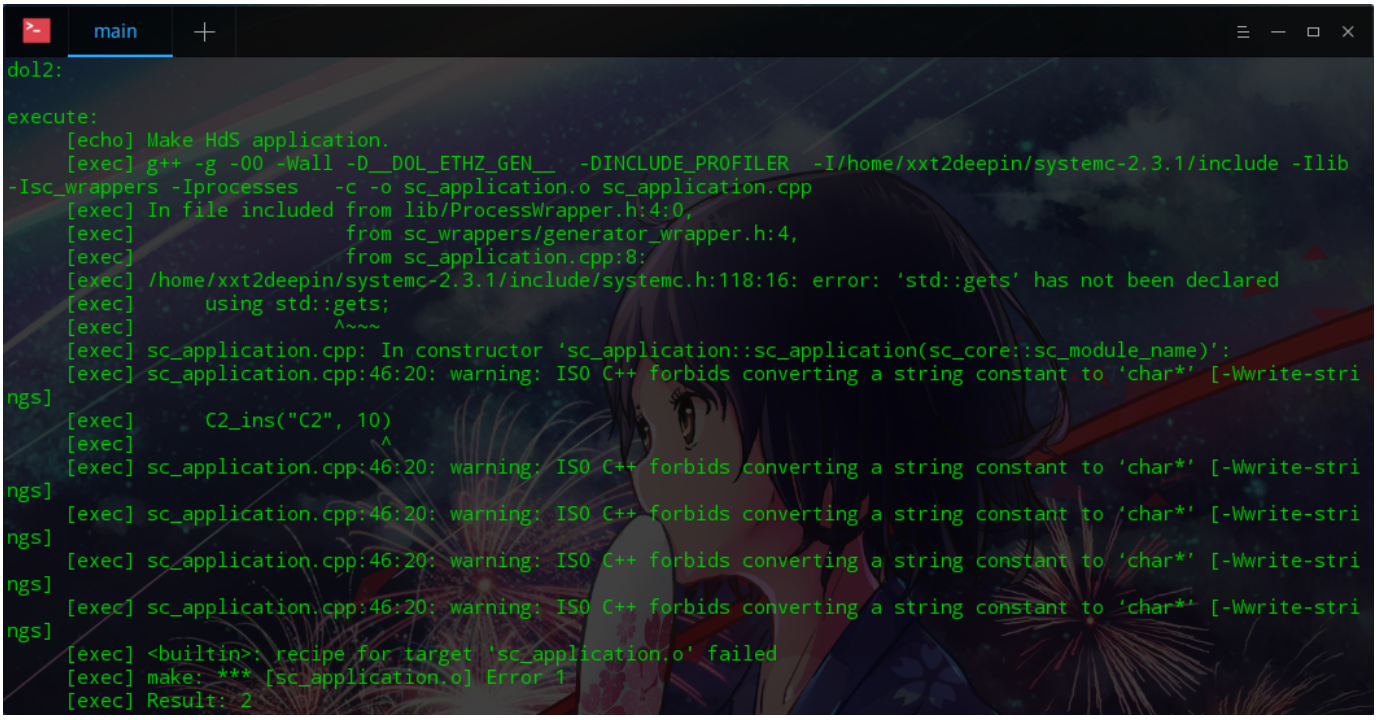
- 编译ant文件



- 编译第一个example



(由于C++版本过高出现错误，检查后发现在新版本中是函数std:gets没有识别出来)



- 上网查找解决方案如下

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`std::gets` has been removed in C++11 (See What is gets() equivalent in C11?)

If you're building using C++11 flag (maybe with a g++ alias), you have to disable this line in `systemc.h`.

Replace

```
using std::gets;
```

with

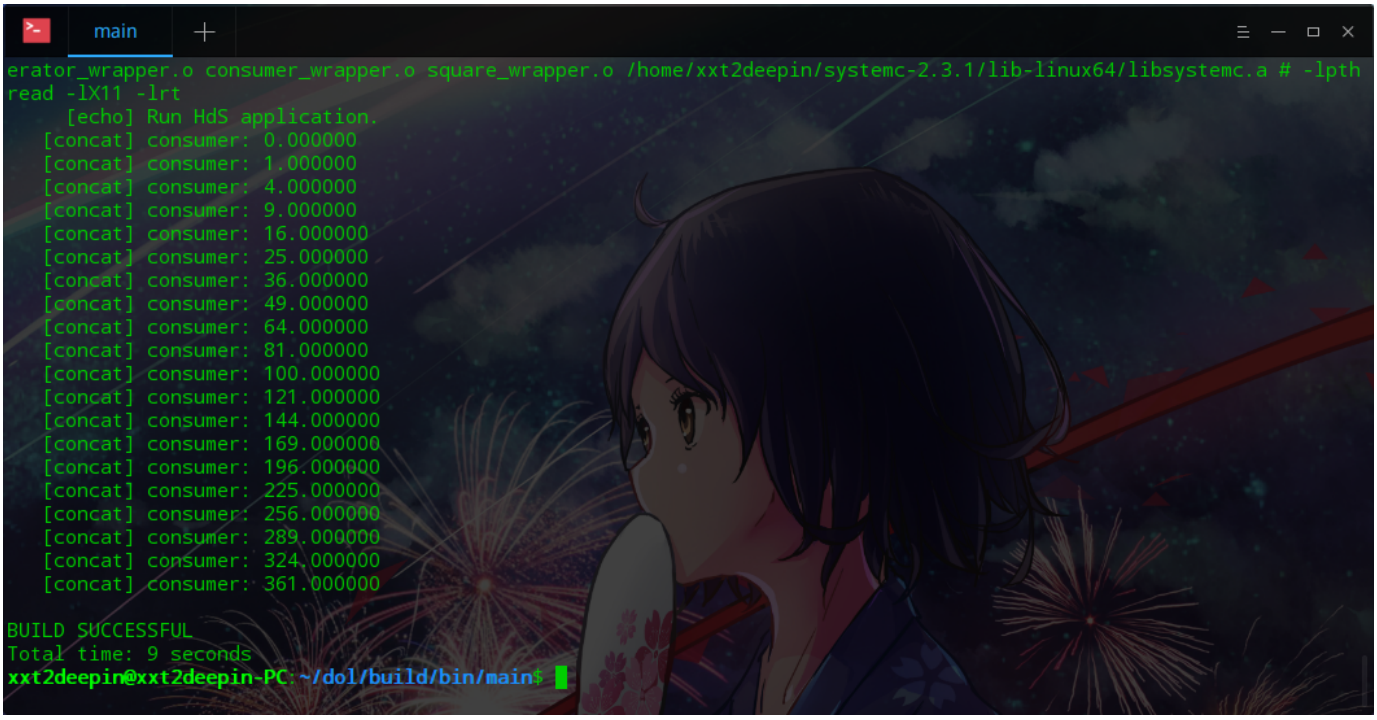
```
#if defined(__cplusplus) && (__cplusplus < 201103L)
using std::gets;
#endif
```

share improve this answer

edited May 23 at 11:46
Community ♦
1 ● 1

answered Jul 13 '16 at 14:00
Guillaume
460 ● 2 ● 6

- 运行后successful



3.实验心得

这次实验也是主要照着ppt的提示完成就ok了，遇到的问题也就是最后一步的build由于系统自带gcc版本较高无法识别出systemc库中的std:gets导致的编译失败，所以只要将std::gets给相应注释掉就OK了。