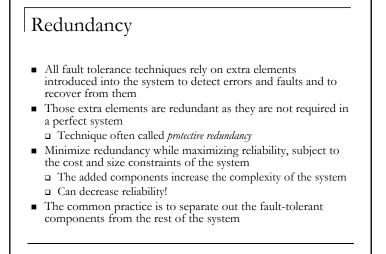
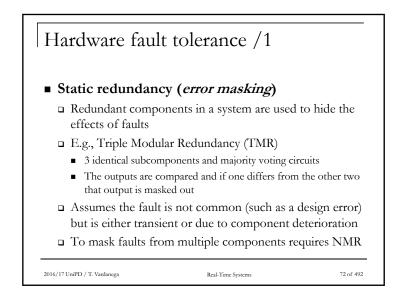


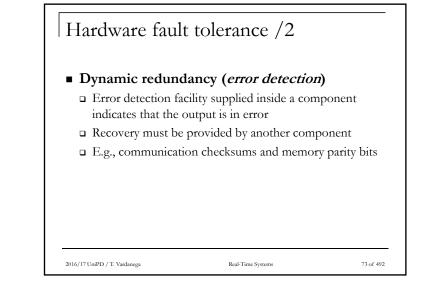
Real-Time Systems

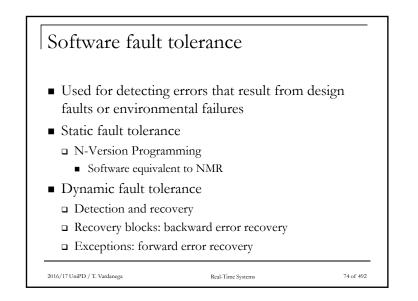


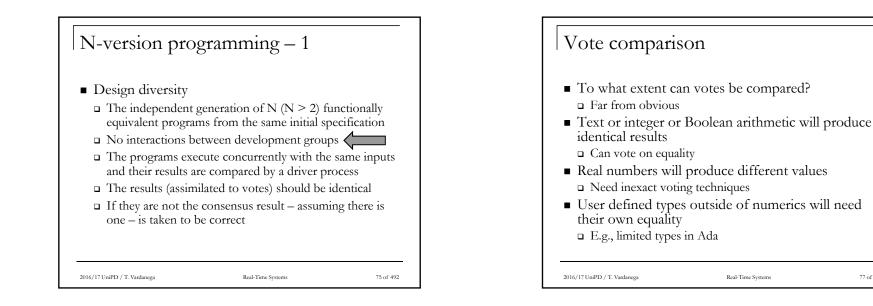
2016/17 UniPD / T. Vardanega

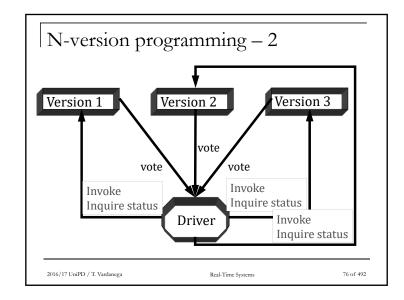
Real-Time Systems

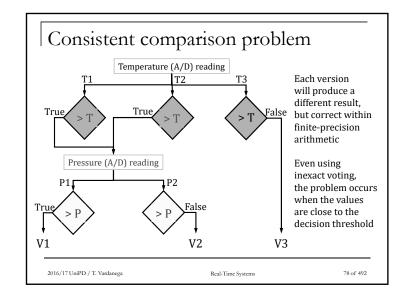


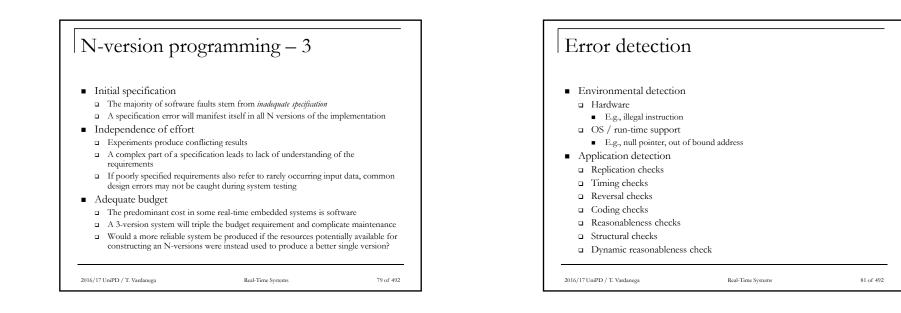


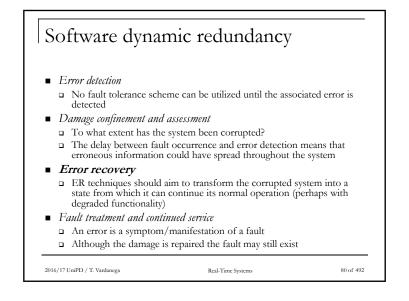


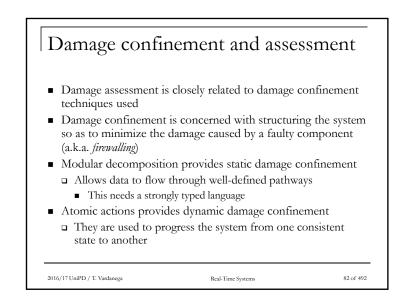


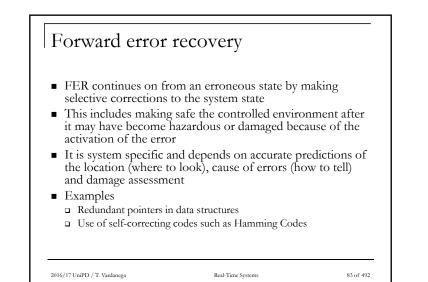


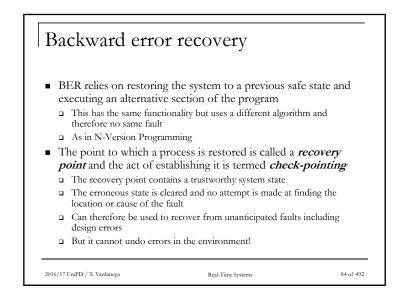


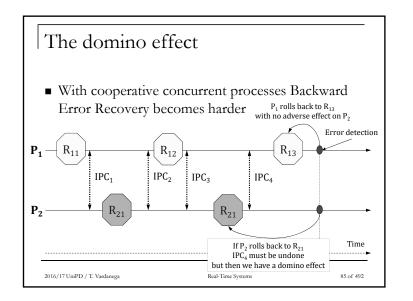


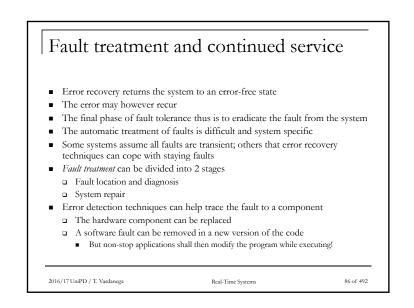


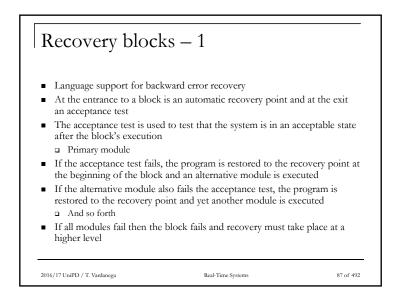


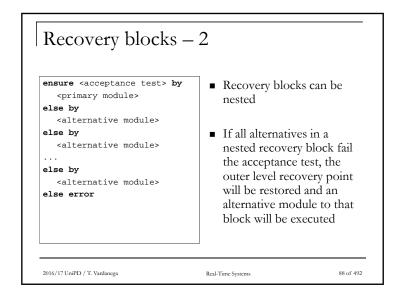


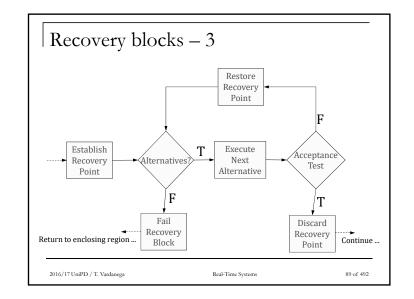


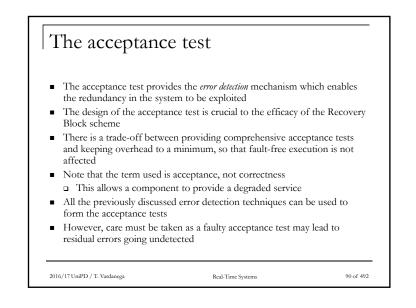


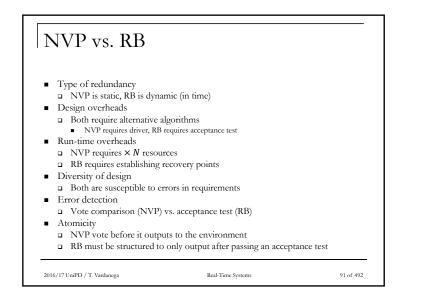


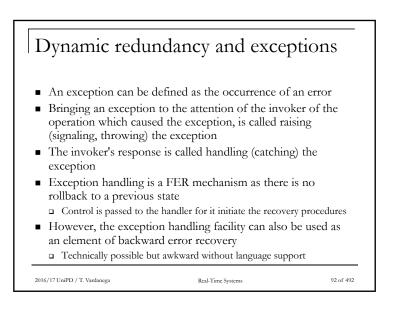


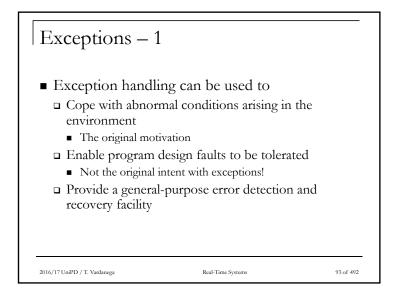


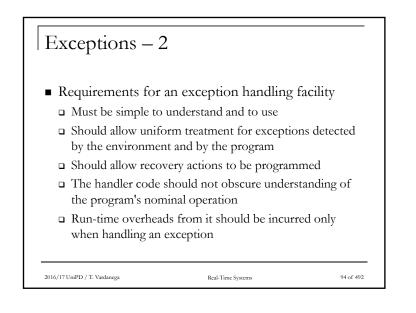


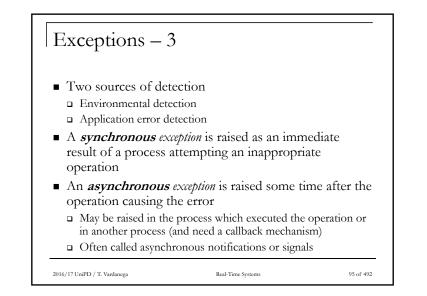


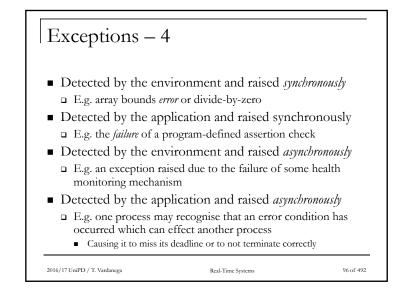










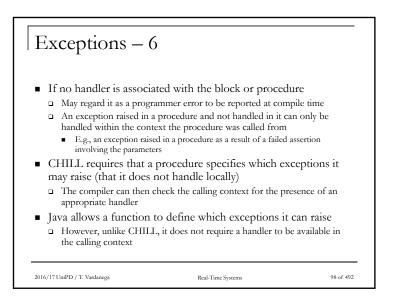


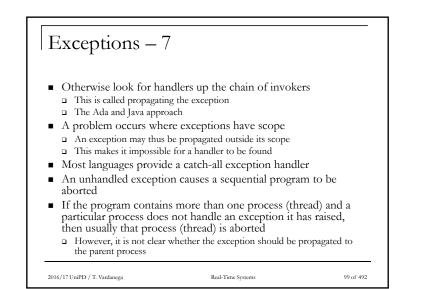
Exceptions – 5

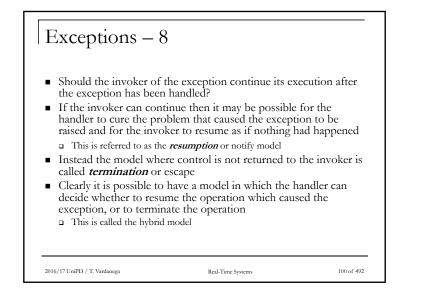
- Within a program, there may be several handlers for a particular exception
- Associated with each handler is a *domain* which specifies the region of computation during which, if an exception occurs, the handler will be activated
 A block in Ada, a try block in Java
- The accuracy with which a domain can be specified will determine how precisely the source of the exception can be located

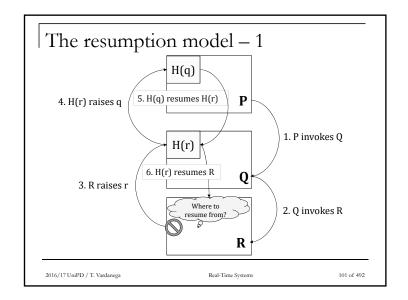
```
2016/17 UniPD / T. Vardanega
```

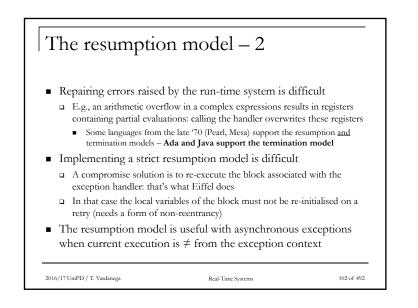
Real-Time Systems

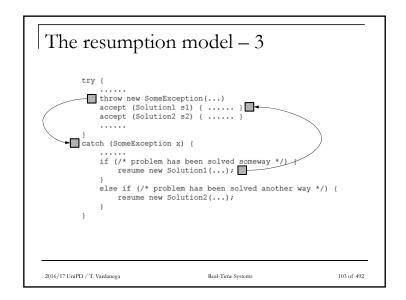


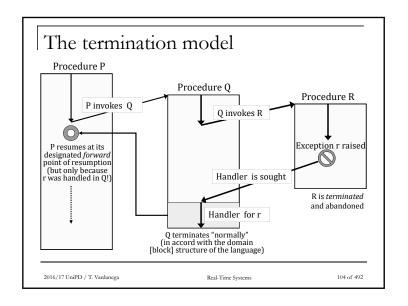


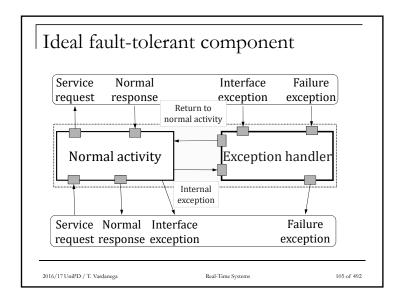


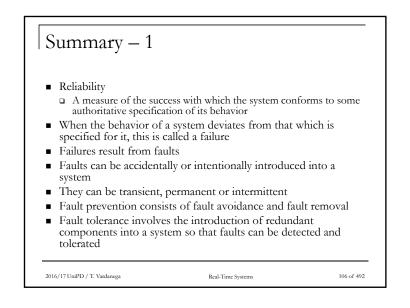


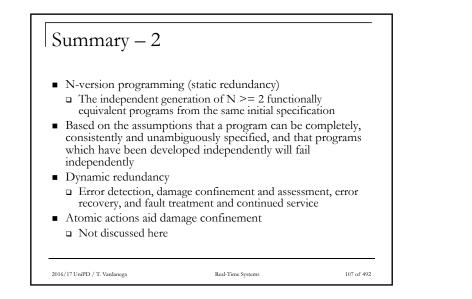


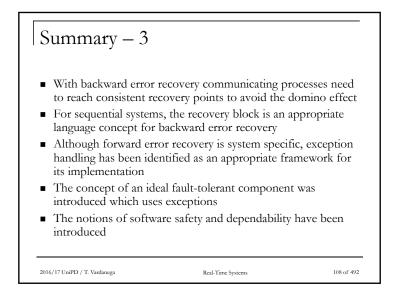












Summary – 4

- It is not unanimously accepted that exception handling facilities should be provided in a language
 For example, C and occam2 have none
- To skeptics an exception is a GOTO where the destination is undeterminable and the source is unknown!

Real-Time Systems

- They can therefore be considered to be the antithesis of structured programming
- Not the view taken here!

```
2016/17 UniPD / T. Vardanega
```