Institute for System Programming of the Russian
Academy of Sciences

nML Reference Manual
(UNDER DEVELOPMENT)

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Chapter 1

Chapter

1.1   Introduction

```
type HWORD = card(16)
type DWORD = card(64)

type INT   = int(32)
type LONG  = int(64)

reg GPR [32, DWORD]

mode R (i : card(5)) = GPR[i]
  syntax = format("r%d", i)

op lui (rt: R, immediate: HWORD)
  syntax = format("lui␣%s,␣0x%x", rt.syntax, immediate)
  action = {
    rt = coerce(LONG, (coerse(INT, immedidate) << 16));
  }
```