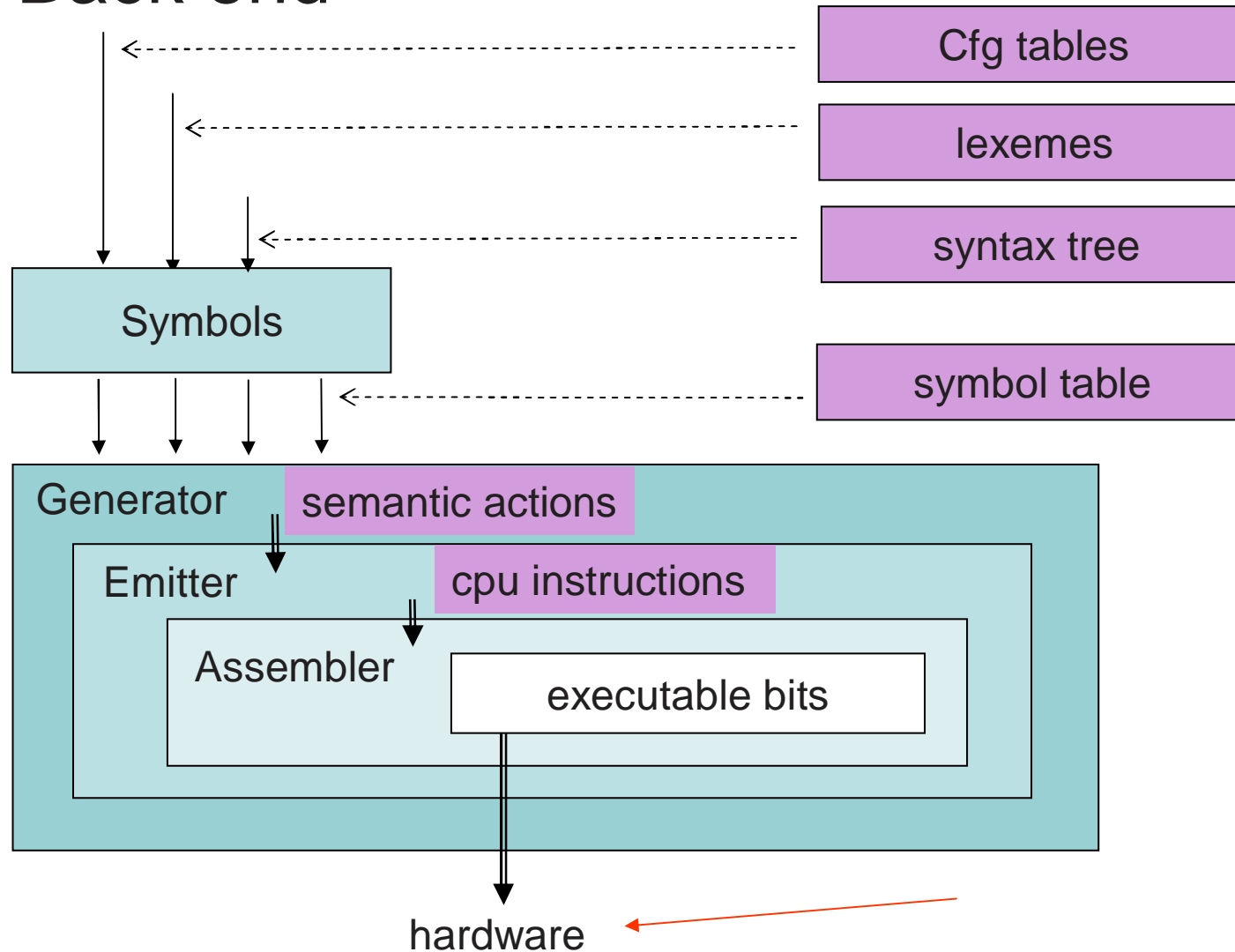


MathWorks Compiler Course – Day 6

- Back end



MathWorks Compiler Course – Day 6

- Hardware
 - Memory (address modes)
 - real arithmetic (FPS)
 - integer arithmetic
 - testing (flags)
 - branching (self-relative)
 - faults & loops (MATLAB crash)

MathWorks Compiler Course – Day 6

- Hardware
- C puns (in MEX)
t = (unsigned int (*)(void*))code;
res = t(frame);

```
float d = *(float*)addr;
```

```
int i    = *(int*)addr;
```

MathWorks Compiler Course – Day 6

- Hardware
- C puns
- Runtime library
 - go
 - static jackets
 - >> makeRuntime

MathWorks Compiler Course – Day 6

- Hardware
- C puns
- Runtime library
- Emulation
 - step forward/back
 - demo