107034024 游湘穎

3.1 [2 points] Typescript for compilation

```
Script started on Mon Nov 30 20:04:00 2020
[1m[7m%[27m[1m[0m

]2;mittyu@Mittyus-MacBook-Pro: ~/Desktop/BD3/OS/myProject/107034024-ppc3]1;..07034024-ppc3
[0m[27m[24m[J[01;32m→  [36m107034024-ppc3[00m [01;34mgit:([31mmaster[34m) [33m𝑥[00m [K[?1h=[?2004hscript
typescript.txt[21Dmake             [17D clean[?1l>[?2004l

]2;make clean]1;makerm *.hex *.ihx *.lnk *.lst *.map *.mem *.rel *.rst *.sym
rm: *.hex: No such file or directory
rm: *.ihx: No such file or directory
rm: *.lnk: No such file or directory
rm: *.lst: No such file or directory
rm: *.map: No such file or directory
rm: *.mem: No such file or directory
rm: *.rel: No such file or directory
rm: *.rst: No such file or directory
rm: *.sym: No such file or directory
make: *** [clean] Error 1
[1m[7m%[27m[1m[0m

]2;mittyu@Mittyus-MacBook-Pro: ~/Desktop/BD3/OS/myProject/107034024-ppc3]1;..07034024-ppc3
[0m[27m[24m[J[01;31m→  [36m107034024-ppc3[00m [01;34mgit:([31mmaster[34m) [33m𝑥[00m [K[?1h=[?2004hmake
clean[10Dscript typescript.txt[21Dmake clean          [11D[10D          [10Dmake clean[10Dscript
typescript.txt[21Dmake             [17D[?1l>[?2004l

]2;make]1;makesdcc -c  testpreempt.c
testpreempt.c:62: warning 158: overflow in implicit constant conversion
sdcc -c  preemptive.c
preemptive.c:208: warning 85: in function ThreadCreate unreferenced function argument : 'fp'
sdcc  -o testpreempt.hex testpreempt.rel preemptive.rel
[1m[7m%[27m[1m[0m

]2;mittyu@Mittyus-MacBook-Pro: ~/Desktop/BD3/OS/myProject/107034024-ppc3]1;..07034024-ppc3
[0m[27m[24m[J[01;32m→  [36m107034024-ppc3[00m [01;34mgit:([31mmaster[34m) [33m𝑥[00m [K[?1h=[?2004hmake
clean[10Dscript typescript.txt[?1l>[?2004l

]2;script typescript.txt]1;scriptScript started, output file is typescript.txt
[1m[7m%[27m[1m[0m

]2;mittyu@Mittyus-MacBook-Pro: ~/Desktop/BD3/OS/myProject/107034024-ppc3]1;..07034024-ppc3
[0m[27m[24m[J[01;32m→  [36m107034024-ppc3[00m [01;34mgit:([31mmaster[34m) [33m𝑥[00m [K[?1h=[?2004hscript
typescript.txt[21Dmake             [17D clean[?1l>[?2004l

]2;make clean]1;makerm *.hex *.ihx *.lnk *.lst *.map *.mem *.rel *.rst *.sym
rm: *.hex: No such file or directory
rm: *.ihx: No such file or directory
rm: *.lnk: No such file or directory
rm: *.lst: No such file or directory
rm: *.map: No such file or directory
rm: *.mem: No such file or directory
rm: *.rel: No such file or directory
rm: *.rst: No such file or directory
rm: *.sym: No such file or directory
make: *** [clean] Error 1
[1m[7m%[27m[1m[0m

]2;mittyu@Mittyus-MacBook-Pro: ~/Desktop/BD3/OS/myProject/107034024-ppc3]1;..07034024-ppc3
[0m[27m[24m[J[01;31m→  [36m107034024-ppc3[00m [01;34mgit:([31mmaster[34m) [33m𝑥[00m [K[?1h=[?2004hmake
clean[10Dscript typescript.txt[21Dmake clean          [11D[10D          [10Dmake clean[10Dscript
typescript.txt[21Dmake             [17D[?1l>[?2004l

]2;make]1;makesdcc -c  testpreempt.c
testpreempt.c:62: warning 158: overflow in implicit constant conversion
sdcc -c  preemptive.c
preemptive.c:208: warning 85: in function ThreadCreate unreferenced function argument : 'fp'
sdcc  -o testpreempt.hex testpreempt.rel preemptive.rel
[1m[7m%[27m[1m[0m

]2;mittyu@Mittyus-MacBook-Pro: ~/Desktop/BD3/OS/myProject/107034024-ppc3]1;..07034024-ppc3
[0m[27m[24m[J[01;32m→  [36m107034024-ppc3[00m [01;34mgit:([31mmaster[34m) [33m𝑥[00m [K[?1h=[?2004h
```
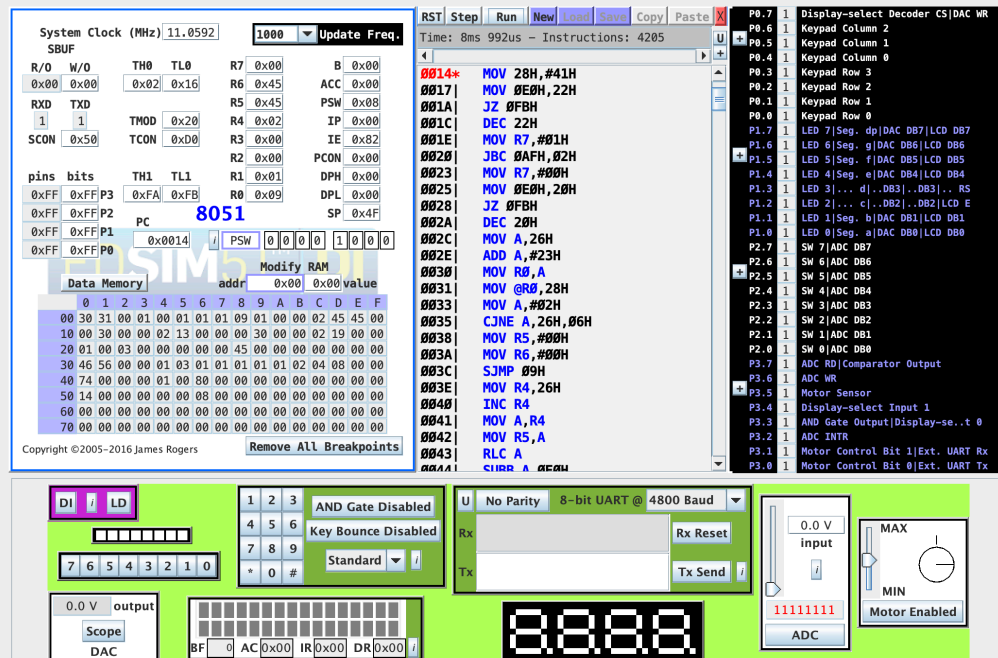
3.2 [18 points] Screenshots and explanation

Look up the addresses for your symbols (i.e., functions, variables, etc) in the file `testpreempt.map`. Set one or more breakpoints in EdSim51's assembly code window after you have assembled it.

- Take screenshots when the Producer is running and show semaphore changes.

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- Take screenshots when the Consumer is running and show semaphore changes.

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