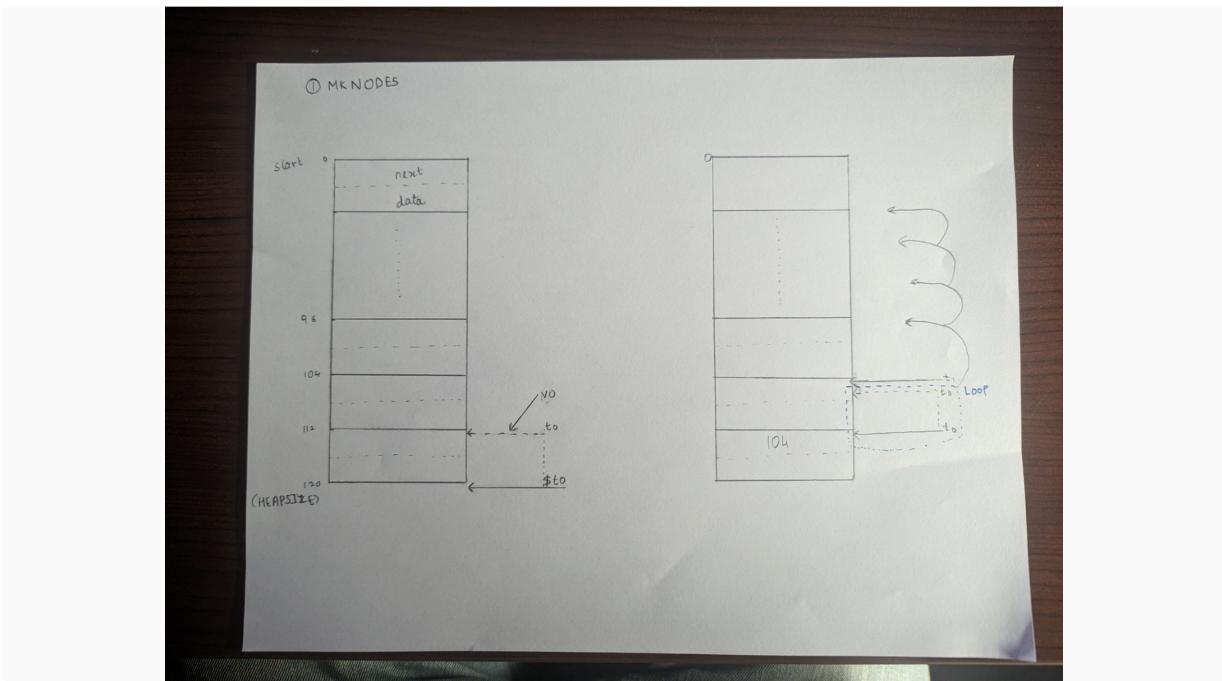


Lab Report 7

MKNodes

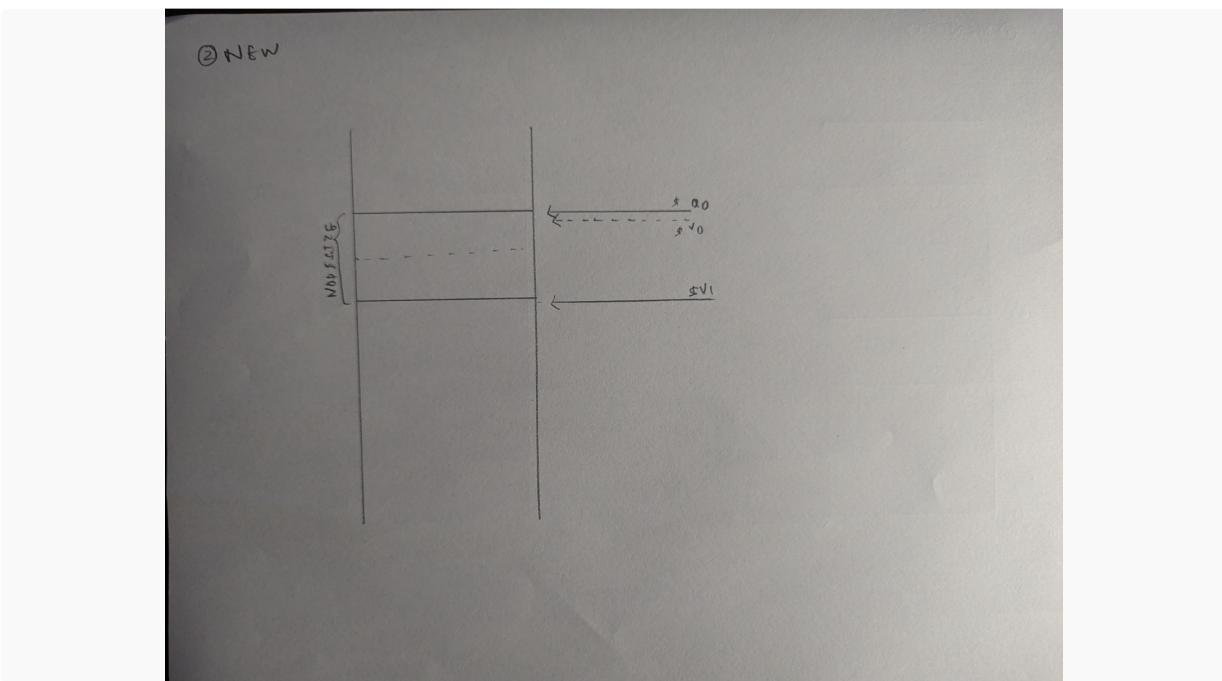


New

$\$v0$ = first node of the freelist

if free is nil, return nil

`$v1 = free->next`



Output:

The screenshot shows the QSimulator interface with two main windows. The top window displays assembly code in the 'Data' tab, specifically the User Stack segment. The stack contains memory addresses from 0x10000000 to 0x10040000, with data values such as 0x00000000, 0x00000000, and 0x72747f72. The bottom window is a 'Console' window showing the output of the assembly code, which includes the string "z o g n e m". Registers are listed at the bottom of the assembly window, mostly containing zeros.

```
QSimulator
File Simulator Registers Text Segment Data Segment Window Help
Int Regs [10] Data Text
Int Regs [10]
PC = 4194336
EPC = 0
Cause = 0
BadVAddr = 0
Status = 900371e64
HI = 0
LO = 0
R0 [v0] = 0
R2 [v2] = 0
R3 [v1] = 268501168
R4 [w1] = 26850113K
R5 [w2] = 268501134
R6 [w2] = 268501168
R7 [w3] = 0
R8 [v1] = 268501136
R10 [t2] = 0x00000016
R12 [t4] = 268501016
R13 [t5] = 0
R14 [t6] = 0
R15 [t7] = 0
R16 [w4] = 0
R17 [t8] = 0
R18 [w2] = 0
R20 [w4] = 0
R22 [w5] = 0
R23 [w6] = 0
R24 [t7] = 0
R24 [t8] = 0
R25 [w7] = 0
R27 [k1] = 0

Memory and registers clear
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QtSPIM is linked to the Qt

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User Stack [7ffff534]..[80000000]
0 1 2 3 4
```

User Stack [7ffff534]..[80000000]

z o g n e m