```
MEMORY ALLOCATION
```

EBP-0x4

EBP-0x8

EBP - "N\*4" in hex

```
ArgN
  Arg2
  Arg1
Saved $EIP
Saved $EBP
  Var1
  Var2
  VarN
```

```
EBP + "N*4" in hex
    EBP+0x12
    EBP+0x8
    EBP+0x4
     EBP
MEMORY WRITING
           . . .
          gets(var2);
```