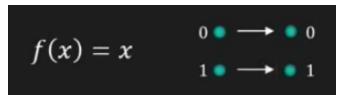
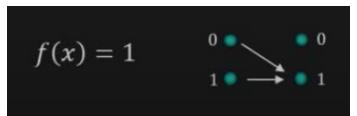


Computing with dominoes (2:50)

















```
def myFunc(s) -> bool: # recursive implementation
  a, b = s[0] == '1', s[1] == '1'

if len(s) > 2:
   temp = '1' if (a ^ b) else '0' # perform xor
   s = list(s[1:len(s)]) # XOR result -> 0th string item
   s[0] = temp
   return myFunc(''.join(s))

else: # base case
   return '1' if (a ^ b) else '0'
```



Questions?

Thank you!

References

- https://en.wikipedia.org/wiki/Bit
- https://en.wikipedia.org/wiki/Transistor
- https://www.youtube.com/watch?v=F_Riqjdh2oM
- https://en.wikipedia.org/wiki/Logic_gate