

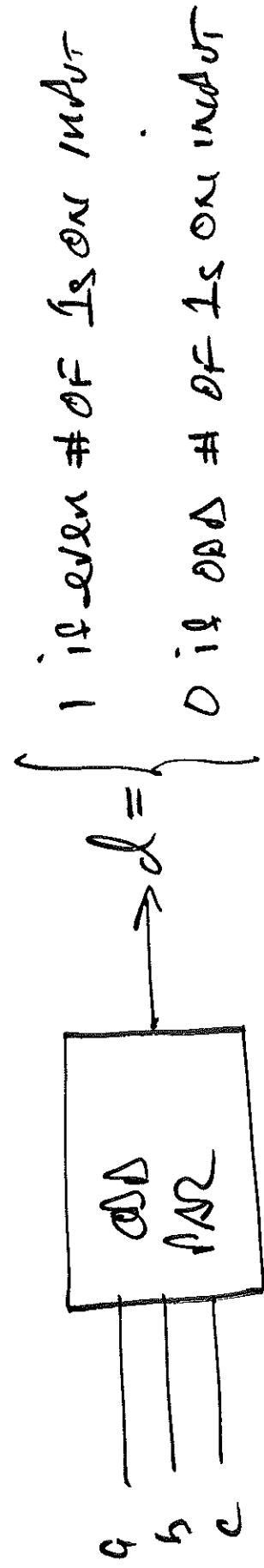
ANSWER

11 - 19 - 08

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Review -

Digital Circuits



Truth Table

a	b	c	d
0	0	0	1
0	0	1	0
0	1	0	0
0	1	1	1
1	0	0	0
1	0	1	1
1	1	0	1
1	1	1	0

Logical Expression

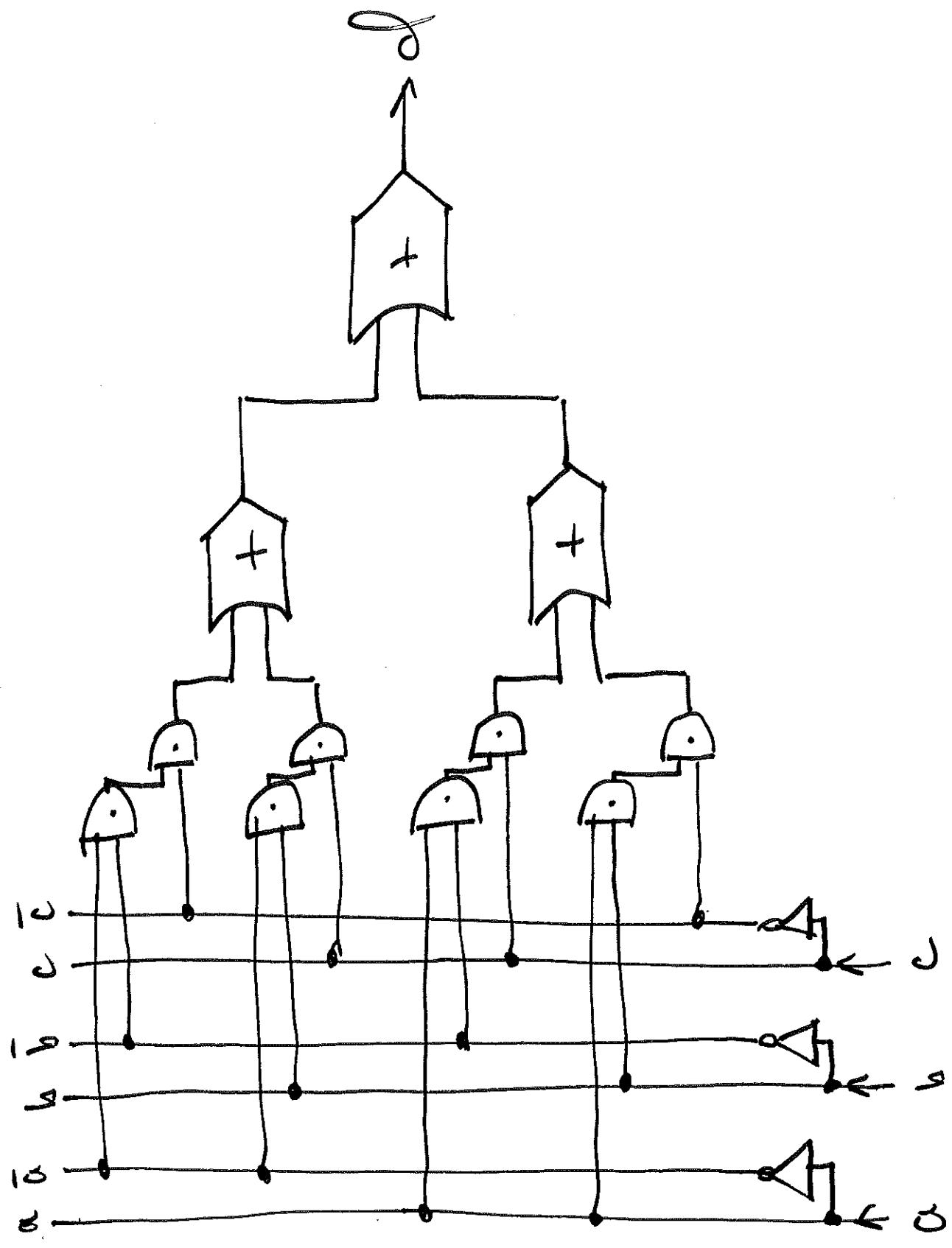
$$d = [(\bar{a} \cdot \bar{b}) \cdot \bar{c} + (\bar{a} \cdot b) \cdot c] + [\bar{a} \cdot \bar{b} \cdot c + a \cdot b \cdot \bar{c}]$$

$$d = [(\bar{a} \cdot \bar{b}) \cdot \bar{c} + (\bar{a} \cdot b) \cdot c] + [(\bar{a} \cdot \bar{b}) \cdot c + (\bar{a} \cdot b) \cdot \bar{c}]$$

Aide: $\bar{a} \cdot \bar{b} \cdot \bar{c} \neq \overline{abc}$, $\bar{a} \cdot \bar{b} \neq \overline{ab}$

Denkst du: $\frac{\bar{a} \cdot \bar{b}}{\bar{a} + \bar{b}} = \bar{a} + \bar{b}$
Auss

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Arrays in C++

An Array is a Contiguous Set of Memory locations, All Storing the same Data Type, All Design To By The Same Definition.

An Array of int

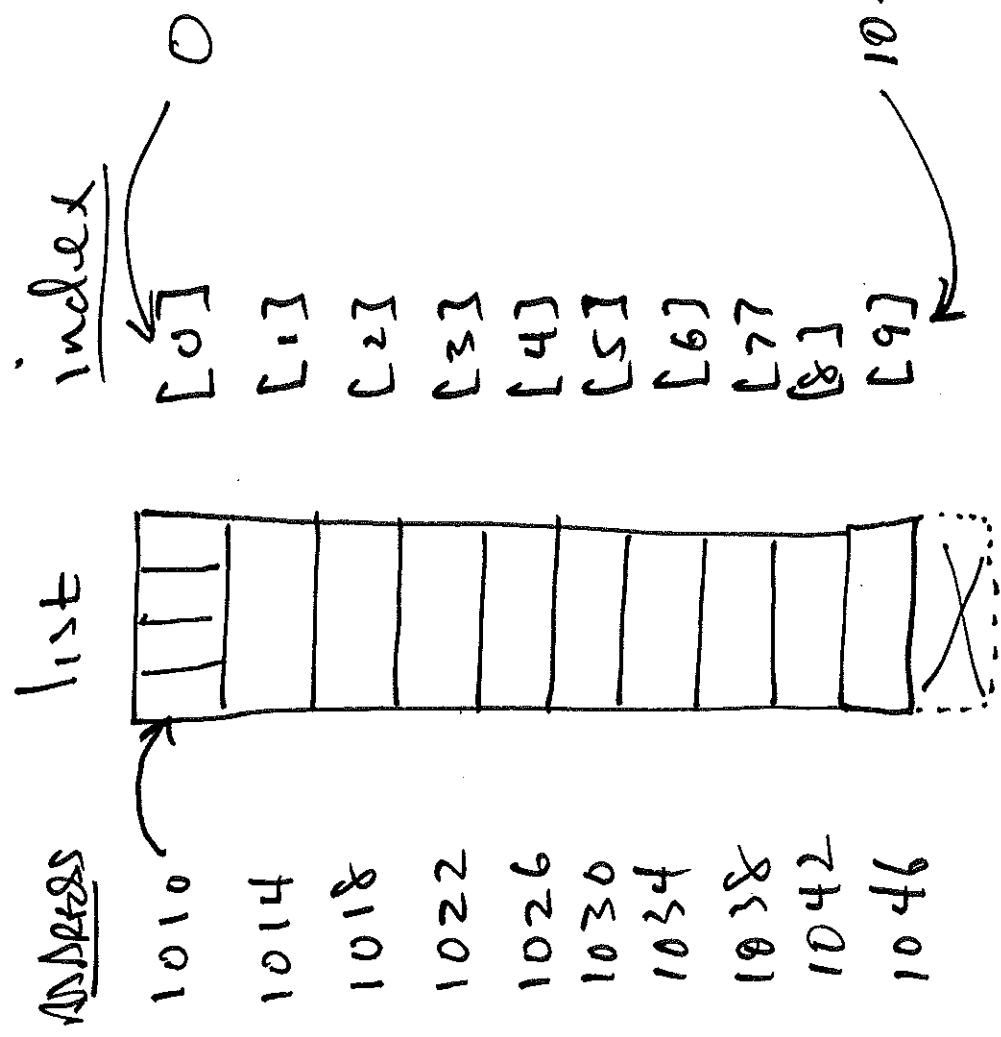


Deginition:

Ex:
int list[10];
double weight[20];
char word[30];

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For Example : int list[10];



Programmer uses symbolic name:

`list[0]`, `list[1]`, `list[2]`, ..., `list[9]`

Note : `list[10]` does not return π
An init in this way.

char arrays also called strings.

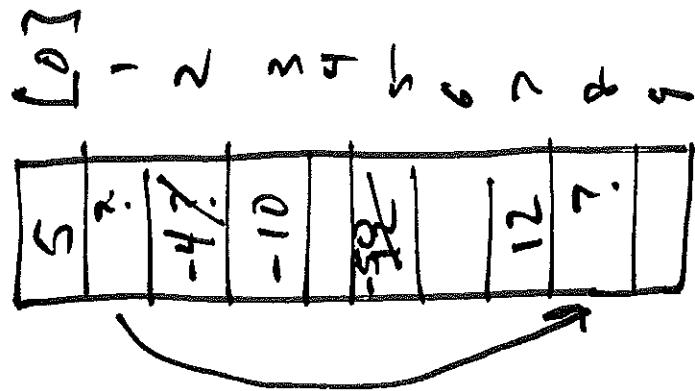
C++ string library : strings

#include <string>

- `len` : 2-dim ; 3-dim arrays
in class S .

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list



```
int i, j;  
int list[10];  
  
list[0] = 5;  
cin >> list[1];  
cin >> list[2];  
cout << list[0] << endl;  
list[5] = list[7] = 12;
```

```
i = 2;  
j = 3;  
list[i] = -4;  
list[j] = -10;  
list[i+j] = -50;  
list[8] = list[i-j];
```

Ex.