

4:1 DeMux

~~2~~ Not : 2

AND : 8

2:1 Mux

NAND : 4

4:1 MUX

NAND : 19

Subtractor division

Not : 1

AND : 3

OR : 2

XOR : 2

half adder

XOR : 1

AND : 1

full adder

XOR : 2

AND : 2

OR : 1

addition

52 NAND

5 Not

19 AND

25 XOR

9 OR

subtraction

52 NAND

7 Not

21 AND

24 XOR

10 OR

1 XNOR

multiplier

25 XOR

40 AND

12 OR

division

16 Not

48 AND

32 OR

52 NAND

37 XOR

5 NOR

operation 5

182 NAND

53 NOT

208 AND

111 XOR

80 OR

1 XNOR

5 NOR

binary to BCD

84 OR

91 AND

56 NOT

3 BCD to 7-segment

27 AND

54 OR

12 NOT

3 Div by zero to 7seg

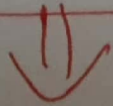
~~27~~ 84 NAND

6 NOT

~~total~~

total

total price
in EGP



1285 EGP

as ever ICs
is equal to 5 EGP

266	NAND	⇒	67	^{NAND} ICs
127	Not	⇒	22	Not ICs
326	AND	⇒	82	AND ICs
111	XOR	⇒	28	XOR ICs
218	OR	⇒	55	OR ICs
1	XNOR	⇒	1	XNOR ICs
5	NOR	⇒	2	NOR ICs