CIRCUIT COST

· multiple was to define circuit cost

CX-

1) inverted are no-cost

2) logic gates cost 1.

B) look gate imputs cost 1.

4 why this deft of cost helps make circuts who efficient

total cost is 19:

- · 3x 2-inqut AND = 9
- · IX 2-input OR = 3
- · 1x 4-input OR = 5
- · Zx hun-trivial NOT (not bound to injust vas.)

• cost of
$$f = cd + a$$

total cost is 6 .

- · IX 2-heat AND = 3
- *1x 2-mont of = 3

LITERALS

- · if x is a biling variable, we write either x or !x.
- · X = un conflerented/positive literal
- · 1x = comelcounted / negotive literal