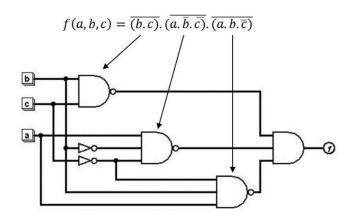
Draw the circuits that directly implement the following Boolean functions (Note: *Do not simplify* the functions before drawing them):

1.
$$f(a,b,c) = \overline{b \cdot c} \cdot \overline{a \cdot \overline{b} \cdot \overline{c}} \cdot \overline{a \cdot b \cdot \overline{c}}$$

$$2.\,f(a,b,c,d)=a.\,b.\,c.\,d+\bar{a}.\,\bar{b}+a.\,b.\,\bar{c}+a.\,\bar{b}+a.\,\bar{c}$$



 $2.\,f(a,b,c,d)=a.\,b.\,c.\,d+\bar{a}.\,\bar{b}+a.\,b.\,\bar{c}+a.\,\bar{b}+a.\,\bar{c}$

